The University of Connecticut is located at Storrs, in the town of Mansfield, eight miles north of Willimantic, and is connected with all principal points of the state by trunk line highways. Regular motor bus service connects with passenger trains at Willimantic.

The post office address is Storrs; the telegraph address is Willimantic. Baggage and freight should be sent by way of Willimantic.

For information in regard to admission, courses of study and all matters pertaining to students, address the Admissions Office. Requests for catalogs should be addressed to the Registrar's Office.

Inquiries regarding the work of the Extension Service or of the Storrs Experiment Station in the College of Agriculture should be addressed to the Director at Storrs.
The University of Connecticut Bulletin

CATALOG NUMBER
FOR THE SESSIONS OF
1943-1944

SIXTY-THIRD YEAR

REGISTER, 1942-43
ANNOUNCEMENT, 1943-44

Published six times a year, in February, March, April, June, September and December. Entered at the Post Office at Storrs, Conn., as second class matter, June 29, 1904, under Act of Congress of July 16, 1894
Printed under authority of Section 142, General Statutes of Connecticut, Revision of 1930.

Fred R. Zeller
State Comptroller.
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# UNIVERSITY CALENDAR
### 1943-44

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<td>Commencement, class of 1943</td>
<td>Sunday</td>
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<td></td>
<td>June  7</td>
<td>Summer semester for upperclass engineers begins</td>
<td>Monday</td>
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<tr>
<td></td>
<td>21</td>
<td>First Summer Session begins</td>
<td>Monday</td>
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<td></td>
<td>July   5</td>
<td>Independence Day holiday</td>
<td>Monday</td>
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<td></td>
<td>30</td>
<td>First Summer Session ends</td>
<td>Friday</td>
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<td></td>
<td>August 2</td>
<td>Second Summer Session begins</td>
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<td></td>
<td>September 10</td>
<td>Second Summer Session ends</td>
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<td>13</td>
<td>Classwork begins in Education 263</td>
<td>Monday</td>
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<td>18</td>
<td>Summer semester for upperclass engineers ends</td>
<td>Saturday</td>
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<td>24</td>
<td>Opening of the University for new students</td>
<td>10:00 a.m., Friday</td>
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<td>27-29</td>
<td>Registration of all students</td>
<td>8:30-4:30, Mon.-Wed.</td>
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<td>Fall semester classes begin</td>
<td>8:00 a.m., Thursday</td>
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<td>November 10</td>
<td>Last day for dropping courses without failure</td>
<td>Wednesday</td>
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<td>20</td>
<td>Mid-semester grades due</td>
<td>Saturday</td>
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<td>24</td>
<td>Thanksgiving recess begins</td>
<td>noon, Wednesday</td>
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<td>29</td>
<td>Thanksgiving recess ends</td>
<td>8:00 a.m., Monday</td>
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<td>December 18</td>
<td>Christmas recess begins</td>
<td>noon, Saturday</td>
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<td>1944</td>
<td>January 3</td>
<td>Christmas recess ends</td>
<td>8:00 a.m., Monday</td>
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<td>24</td>
<td>Mid-year examinations begin</td>
<td>8:30 a.m., Monday</td>
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<td>29</td>
<td>Mid-year examinations end</td>
<td>6:00 p.m., Saturday</td>
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<td>February 7</td>
<td>Second semester begins</td>
<td>Monday</td>
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<td>March 22</td>
<td>Last day for dropping courses without failure</td>
<td>Wednesday</td>
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<td>April  1</td>
<td>Mid-semester grades due</td>
<td>Saturday</td>
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<td>1</td>
<td>Spring recess begins</td>
<td>noon, Saturday</td>
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<td>10</td>
<td>Spring recess ends</td>
<td>8:00 a.m., Monday</td>
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<td>May  29</td>
<td>Final examinations begin</td>
<td>8:30 a.m., Monday</td>
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<td>June  3</td>
<td>Final examinations end</td>
<td>6:00 p.m., Saturday</td>
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<td>Commencement, class of 1944</td>
<td>Sunday</td>
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THE BOARD OF TRUSTEES

The end of each member's term is indicated by the date which follows his name.

His Excellency, Raymond E. Baldwin, Governor of the State of Connecticut, President ex officio .................................................. Hartford

Alonzo G. Grace, Commissioner of Education, Member ex officio ................................................................. Hartford

Olcott F. King, Commissioner of Agriculture, Member ex officio ................................................................. Hartford

Appointed by the Governor

Mrs. Ruth M. Dadourian, Secretary, 1945 ........................................ Hartford

Lewis Fox, 1945 .................................................................. Hartford

James W. Hook, 1943 ................................................................. New Haven

Edward J. McDonough, Jr., 1943 ................................................ Hartford

Arthur M. Mitchell, 1943 ............................................................... Washington

Francis S. Murphy, 1945 ................................................................. Hartford

*Mrs. Pauline Noyes, 1943 ................................................................. Pomfret

Samuel R. Spencer, 1945 ................................................................. Suffield

Elected by the Alumni

Willard Eddy, 1945 ................................................................. Mt. Vernon, New York

George H. Hollister, Vice President, 1943 .................................... Hartford

Executive Committee of the Board

Mrs. Dadourian, Messrs. Eddy, Fox, Hollister, Spencer, chairman

* Deceased
OFFICERS OF ADMINISTRATION

The University

Albert Nels Jorgensen, Ph.D., LL.D., President
Room 209, Beach Hall

Charles Burt Gentry, M.S. in Agr., Dean of the University
Room 205, Beach Hall

Raymond Irving Longley, University Comptroller
Room 225, Beach Hall

The Schools

Nathan Laselle Whetten, Ph.D., Dean of the Graduate School
Room 120, Home Economics Building

Edwin Garver Woodward, A.M., Dean and Director of the College of Agriculture
Room 125, Beach Hall

George Cleveland White, M.A., Vice Dean of Resident Teaching
Room 22, Dairy Building

Raymond Kingsley Clapp, B.S., Vice Director of Agricultural Extension
Room 129, Beach Hall

William Leroy Slate, B.S., Vice Director of Storrs Agricultural Experiment Station
Storrs Experiment Station Building

Wilfred B. Young, M.S., Director of the Ratcliffe Hicks School of Agriculture
Room 125, Beach Hall

Howard Douglas Newton, Ph.D., Acting Dean of the College of Arts and Sciences
Room 406, Beach Hall

Laurence Justin Ackerman, A.M., LL.B., Dean of the School of Business Administration and Acting Dean of the College of Law and of the College of Insurance
Room 106, Holcomb Hall

Paris Roy Brammell, Ph.D., Dean of the School of Education and Acting Dean of the Graduate School
Room 131A, Beach Hall

John Harold Lampe, Ph.D., Dean of the School of Engineering
Room 200, Engineering Building
EVALYN SOPHIA BERGSTRAND, M.S., Dean of the School of Home Economics
Room 104, Home Economics Building

HENRY STODDARD JOHNSON, Ph.D., Dean of the College of Pharmacy
150 York Street, New Haven

CAROLYN LADD WIDMER, B.A., B.N., Dean of the School of Nursing

The School of Social Work

THE DIVISIONS

WILLIAM JAMES HAGGERTY, M.A., Director of Student Personnel
Room 235, Beach Hall

SUMNER ALVORD DOLE, M.A., Dean of Men¹

MILDRED PEARL FRENCH, A.M., Director of Housing
Room 228, Beach Hall

JOSEPH RAYMOND GERBERICH, Ph.D., Director of Testing
Room 4, University Library

WALDEMAR HAGEN, M.A., Director of Vocational Guidance and Placement²

FRED COUEY, Ph.D., Acting Director of Vocational Guidance and Placement
Room 230, Beach Hall

MARJORIE WARREN SMITH, A.B., Registrar
Room 233, Beach Hall

SAMUEL WILLARD PRICE, Ph.D., Director of the Summer Session, University Extension and Education by Radio and Assistant to the President
Room 234B, Beach Hall

PAUL ALCORN, B.A., University Librarian
Room 113, University Library

EDWARD GEORGE VAN BIBBER, M.P.E., Director of Physical Education and Athletics¹

JOSEPH ORLEAN CHRISTIAN, B.S., Acting Director of the Division of Physical Education and Athletics
Hawley Armory

RALPH LAWRENCE GILMAN, M.D., University Physician
University Infirmary

WALTER STEMMONS, B.S., Editor of University Publications
Room 202, Beach Hall

GEORGE HUNTER PASSMORE, LIEUT. COL. INFANTRY U.S.A., Professor of Military Science and Tactics
Hawley Armory

¹ On leave for war service, military or civil.
² Resigned second semester, 1942-43.
THE UNIVERSITY SENATE

Ex Officio Members:


Elective Members for the period ending June 30, 1946:


Elective Members for the period ending June 30, 1945:


Elective Members for the period ending June 30, 1944:


UNIVERSITY COMMITTEES

1943-1944

COMMENCEMENT. It is the function of this committee to make to the University Senate such recommendations as may seem desirable with respect to policy and procedure in the Commencement program and Commencement Week activities and with the President to have charge of all Commencement Week activities. Messrs. Schenker (chairman), Dole, France, Stemmons, Torrey, Waggoner, Alumni Secretary and Senior Class Adviser.

CONVOCATIONS AND LECTURES. It is the function of this committee to determine the policy for and supervise the conduct of University convocations and lectures. Messrs. Yingling (chairman), Bressler, Carter, Warnock, Miss Rogers and three students.

FRESHMAN AND SOPHOMORE CURRICULA AND COURSES. It is the function of this committee to make recommendations to the University Senate with respect to the course requirements for admission to the freshman class, the freshman-sophomore curricula for the several schools and colleges, the general character and number of credit units for all freshman-sophomore courses (numbered 100-199), and which, if any, courses numbered 200-299 shall be listed as open to sophomores. Changes in freshman-sophomore curricula requirements may be suggested by other committees, individuals, departments, or schools; or changes may be initiated
by this Committee. Messrs. Baldwin (chairman), Ackerman, Brammell, DeCoursey, Lampe, Newton, Pinches, G. C. White, M. R. White, Miss Bergstrand, and the Dean of the University (member ex officio).

Scholastic Standards. It is the function of this committee to recommend to the University Senate the minimum scholastic standards for admission to the several undergraduate schools and colleges, for scholastic progress in undergraduate curricula, for graduation with a Bachelor's degree, for the award of all prizes and honors granted by the University in recognition of superior scholarship. Messrs. Sedgewick (chairman), Couey, Ferguson, Hollister, Hosley, Kessel, Kulp, Timoshenko, and the Dean of the University and the Director of Student Personnel (members ex officio).

Schedule of Monthly Faculty and Staff Meetings, 1943-1944

All meetings will be held at 4:00 p.m. unless otherwise indicated.

Graduate School ........................................ 1st Monday  
College of Agriculture ................................. 4th Monday  
College of Arts and Sciences ........................ 3rd Monday  
School of Business Administration .................. 2nd Tuesday  
School of Education .................................. 1st Tuesday (3:00 p.m.)  
School of Engineering ................................. 2nd Wednesday  
School of Home Economics ............................ 3rd Saturday (9:00 a.m.)  
School of Nursing ..................................... 3rd Tuesday  
University Senate ...................................... 2nd Monday

Organization of the University

The University is comprised of the following Schools, Divisions and Departments:

Schools:

The Graduate School
The College of Agriculture
The College of Arts and Sciences
The School of Business Administration
The School of Education
The School of Engineering
The School of Home Economics
The College of Insurance
The College of Law
The School of Nursing
The College of Pharmacy
The Ratcliffe Hicks School of Agriculture
The School of Social Work

Divisions:

Summer Session, University Extension and Education by Radio
Student Personnel
University Library
Health Service
Physical Education and Athletics
Military Science and Tactics Publications
DEPARTMENTS:

In the College of Agriculture:
- Agricultural Economics and Farm Management
- Agricultural Engineering
- Agronomy
- Animal Diseases
- Animal Husbandry
- Club Work, 4-H Clubs
- County Agricultural Agents
- Dairy Industry
- Farm
- Forestry and Wildlife
- Genetics
- Home Demonstration
- Horticulture
- Floriculture
- Landscape Gardening
- Pomology
- Vegetable Gardening
- Poultry Husbandry
- Sociology (Purnell)

In the College of Arts and Sciences:
- Bacteriology
- Botany
- Chemistry
- Economics
- English
- Foreign Languages
  - French
  - German
  - Italian
  - Spanish
- Geology and Geography
- History and Government
- Mathematics
- Military Science and Tactics
- Music
- Philosophy
- Physical Education
- Physics
- Psychology
- Sociology
- Zoology

In the Schools:
- Business Administration
- Education
- Home Economics
- Civil, Electrical and Mechanical Engineering
- Nursing

Administrative Organization

The administration of the University is determined in part by legislative enactment, in part by the laws and by-laws of the Board of Trustees, and in part by regulations made by the President, the University Senate and the several faculties.

The governing board, known as the Board of Trustees, appoints the president, determines the general policy of the University, makes laws for its government, approves the establishment of new services and the expenditure of all University funds. The functions of the Board of Trustees are defined in the laws, by-laws and rules of the Board.

In the laws and by-laws of the Board the responsibilities of the president are defined as follows:

The president of the University is the chief executive and administrative officer of the Board of Trustees. In this capacity he is responsible for enforcing all policies and regulations adopted by the Board for the operation of the University and is given authority requisite to that end.
The president is chairman of the University Senate and of the faculties of the several schools and colleges. He appoints and defines the duties of all standing committees.

The University Senate consists of the President, the Dean’s Council, and not more than 36 members to be chosen in a general election from the faculties of the several schools and colleges. The University Senate is a legislative body and concerns itself with minimum rules and general regulations pertaining to all undergraduate schools and colleges and with policy insofar as it pertains, in a general way, to the educational program of the institution and is not reserved to the Board of Trustees, to the administration, or to the several faculties. The University Senate acts as an advisory body to the President.

Each College or School has its own faculty, consisting of the President, the Dean of the University, the Dean of the school or college and all professors, associate professors, assistant professors and instructors belonging to departments administratively organized in the college or school, and others who are appointed by the President either as voting members of the faculty or as associates and consultants. The Dean of each college and school is its executive officer.

Each Department Faculty consists of all members of its professional staff including resident instruction, extension and experiment station workers; this faculty, under the direction of the chairman or head, is responsible for developing a departmental program designed to meet the needs of the students in the various schools and colleges and of the individuals and groups served by extension and experiment station work.

Each Division consists of an executive officer, the director, and a staff of assistants and is responsible through the Dean of the University to the President. Each executive officer has an advisory committee.

The Dean’s Council consists of the Dean of the University, the Deans of the various schools and colleges, the Personnel Director, and the Director of the Summer Session and University Extension. It serves as an advisory body to the Dean of the University in all matters pertaining to the integration and coordination of the educational program of the University.

THE PURPOSES OF THE UNIVERSITY

The University of Connecticut is part of a system of public educational institutions established by the citizens of Connecticut, through the General Assembly, to serve the educational needs of the state. It is the most advanced unit in this system and, as such, has certain definite objectives.

1. It seeks to further that aim common to all public educational institutions in the state—enlightened citizenship.

2. It provides an opportunity for properly qualified youth to continue their general education begun in the elementary and secondary schools, and to advance in the study of specialized fields of knowledge.
3. It seeks to impart to persons preparing for a profession all or a part of the educational background necessary for the successful practice of such professions. It offers well organized professional programs in agriculture, business administration, education, engineering, home economics, insurance, law, nursing and pharmacy. The basic education for medicine, dentistry and other professions is also offered in departments of the College of Arts and Sciences. The College of Arts and Sciences is designed to provide a broad foundation which will equip its students for further specialization or for immediate entrance into adult life and citizenship.

4. It seeks through the Graduate School to provide opportunity for properly qualified youth to pursue advanced work.

5. It is concerned with the all-round development of its students, and, to this end, it provides for their intellectual, physical, social, spiritual, ethical and emotional well-being.

6. It attempts, through University Extension courses, to make its educational facilities available at several locations within the state.

7. Aided by the national government, the University seeks, in its agricultural and home economics extension work and in its boys' and girls' club work to aid those following agricultural and homemaking pursuits in improving the management, methods and techniques of their vocations.

8. Through research and consulting service the staff of the University serves various groups within the state in such fields as agriculture, industry, government, and education. Research in agriculture has developed more completely than in any other field. Through the Storrs Agricultural Experiment Station, scientific inquiry and experiments of wide scope and outstanding usefulness have been conducted.

9. Through its investigations the University seeks to discover knowledge and through its publications to make such knowledge generally available.

10. In its human relations the University seeks to increase the freedom which true education fosters.
SCOPE OF INSTRUCTION

The instructional offerings of the University are designed to achieve objectives in general and liberal education, in pre-professional, and in professional education.

GENERAL AND LIBERAL EDUCATION

The departments in the College of Arts and Sciences provide a program that is comprehensive in scope and that contains the subject matter of both broad general education and advanced specialization in fields commonly associated with a liberal education.

PRE-PROFESSIONAL EDUCATION

In the College of Arts and Sciences courses are available which form the background for study in the professional schools and colleges of the University of Connecticut and of other universities.

Students interested in eventual attendance at professional schools of medicine, veterinary medicine, law, dentistry, forestry, social service, journalism, theology, etc., in other universities, should consult the catalogs of the schools in which they are interested before they plan their pre-professional work at the University of Connecticut. The faculty counselors and the office of vocational counseling will be of help to students planning their educational programs in relation to various professional objectives. Professional schools, generally, are requiring increasing amounts of collegiate work for admission and in many cases are making the course requirements less specific, emphasizing instead a good general education and thorough preparation in various basic fields. The foundation for most professional education is found in the basic courses of the College of Arts and Sciences. The following examples are illustrative:

MEDICINE. In arranging course schedules, students are invited to seek assistance from faculty counselors in bacteriology, chemistry, and zoology. A reading knowledge of at least one language, preferably German, is essential. Most medical schools require that applicants must have passed the medical aptitude test of the Association of American Medical Colleges. The University provides the facilities and opportunity for qualified students to take this test.

VETERINARY MEDICINE. Students of veterinary medicine are usually expected to have some actual farm experience with livestock before beginning their professional preparation. Satisfactory completion of a year or more of study in a college or university of recognized standing is required. This study must include courses in inorganic chemistry and in zoology. Related courses in agricultural fields are desirable and, for some professional schools, required. The University is adequately prepared to counsel and help students desiring preparation in this field.

DENTISTRY. In all leading dental schools of this country, the instruction is closely integrated with that of medicine and includes practically the same fundamental training as medicine except that reading knowledge of a language is usually not required. Specialization in chemistry, zoology,
and physics is usually required. The remainder of the pre-dental work may be selected from less specialized subjects in social sciences, fine arts, and the humanities. To obtain a well-balanced educational program, it is highly desirable that three or preferably four years be devoted to pre-professional training.

**Law.** Pre-legal training involves no rigid curriculum. Rather, it is the duty of the student preparing for law to acquire certain basic information, fundamentals of research, and practice in original and precise analysis. To accomplish this the student should expose himself to a wide variety of fields, to the social and, to some extent, the physical sciences. Specific fields in which work should be done are: history, government, sociology, economics, business administration, philosophy, English, and public speaking. The pre-law candidate should reach into as many areas of knowledge as possible before he enters his professional training.

**Forestry.** Students preparing to specialize in forestry are particularly urged to study the catalogs of professional schools before they select courses for their undergraduate college programs. The requirements of schools offering professional education in forestry vary considerably from school to school. Specific foundation courses usually required include general botany, general zoology, general entomology, economics, geology, inorganic chemistry, physics, and trigonometry. In addition, a well-planned undergraduate program will include English and the social sciences. Members of the Department of Forestry and Wildlife Management will advise students in the selection of pre-professional programs.

**Social Work.** Pre-professional education for social workers varies depending upon the specific occupational objective. For the general field, educational requirements usually emphasize social science courses such as psychology, history, economics, political science, anthropology, and sociology. For medical social work, additional requirements usually include biology, anatomy, physiology, or foods and nutrition. For home economics and nutrition work in social and health agencies, the requirements usually include courses in social and biological sciences with specialized preparation in general home economics, foods, nutrition, and family economics. For recreational work, the requirements usually include physical education and recreation in addition to social science courses. The department heads in sociology, physical education, and home economics are prepared to assist students in planning pre-professional programs in social work. Professional education and social service involve graduate work leading at least to the Master’s degree. Students planning to enter social service should consult the catalogs of graduate schools of social work.

**Professional Education**

The University offers programs of professional education in agriculture, business administration, education, engineering, home economics, insurance, law, nursing, and pharmacy, in its professional schools and colleges. Programs leading to a variety of other occupations in chemistry, bacteriology, botany, etc., are associated with the advanced work in the departments of the College of Arts and Sciences. See description of professional programs in the announcements for the several schools and colleges.
HISTORY AND FACILITIES

The General Assembly on April 6, 1881, established The Storrs Agricultural School, accepting a gift of 170 acres of land, several frame buildings and six thousand dollars in money from Charles and Augustus Storrs, natives of Mansfield.

In 1893 the General Assembly assigned to the school the proceeds of Connecticut's share of the funds originating in the Federal Land Grant Act of 1862 and the Morrill Act of 1890. The name was changed to Storrs Agricultural College. At this time the college was officially opened to women.

Subsequent changes in name have been as follows: 1899, Connecticut Agricultural College; 1933, Connecticut State College; 1939, The University of Connecticut.

BUILDINGS, LAND AND OTHER FACILITIES

The University owns about seventeen hundred acres of land in Mansfield, including the campus of one hundred and ten acres and extensive fields, pastures and woodlands. A farm of one hundred and twenty-seven acres in Coventry is devoted to experimental work in agronomy and vegetable gardening. At Georgetown, the University owns a farm of two hundred and sixty-three acres, which, with an endowment of $150,000, was a bequest from the estate of Edwin Gilbert.

Buildings for instruction and research include the Charles Lewis Beach Building, Engineering Building, Gulley Hall, Atwater Laboratory, Dairy Building, Hawley Armory, Home Management House, Nursery School, Home Economics Building, Farm Machinery Building, Music, Speech and Dramatics Building, Poultry Building, and various barns, greenhouses, etc.

The Wilbur L. Cross Library is one of the most attractive buildings on the campus. The stacks have a capacity of two hundred thousand volumes. At present the library owns eighty thousand accessioned volumes, about fourteen thousand bound volumes of documents not accessioned, and thousands of unbound documents. More than seven hundred and fifty periodicals are available. Forty study carrels are available for graduate students.

Dormitories include Storrs Hall, Koons Hall, William Henry Hall Dormitory, Walter C. Wood Hall and two temporary barracks for men, and Holcomb Hall, Edwina Whitney Hall, M. Estella Sprague Hall and Harry G. Manchester Hall for women. In addition there are several student houses which provide dormitory accommodations. For the most part fraternities and sororities are also housed in separate frame dwellings.

Two cafeterias and a grill serve meals at cost.

The post office is located on the first floor of the Charles Lewis Beach Building. Three deliveries of mail are made each week day.
A bookstore, catering to general student needs, is operated by the University.

The business office maintains a small bank for the convenience of students.

**Off-Campus Buildings**

The University owns the land and buildings of the College of Pharmacy, 150-154 York Street, New Haven, and uses the building of the Hartford College of Law and College of Insurance, 39 Woodland Street, Hartford. The University has had the use of the Camp School building and certain rooms in the Hartford Board of Education Building. The University also uses the Y.M.C.A. building in Waterbury and certain school facilities of the Board of Education of Waterbury.

**Health and Sanitation**

The University Infirmary with two registered nurses in attendance is under the direction of a resident university physician.

Storrs is located seven hundred feet above sea level. The water supply is provided by wells in the Fenton River valley and is of such natural purity as to require no treatment. University buildings are heated by steam from a central plant. A modern system of sewage control is in use.

**The Louise Crombie Beach Memorial**

The Louise Crombie Beach Memorial Collection of paintings comprises about seventy-five paintings. The Collection is the gift of a former president, Charles Lewis Beach, in memory of his wife.

**Summer Activities**

In the summer the facilities of the University are available for three types of activities in addition to the Summer Sessions: (1) Regular University courses that can be given only in the field, (2) conferences conducted by the University for rural youth and adults and (3) conferences for which the University acts as host but is not responsible for the programs.

The rural conferences, occupying three weeks in July and August, include Farm and Home Week, Junior Short Course and the 4-H Club Leaders’ Conference. For information concerning these conferences address the Extension Service.

For information on other conferences, address William J. Haggerty, Director of Student Personnel.
ADMISSION TO THE UNIVERSITY

Since the University of Connecticut does not now have sufficient facilities for the education of all qualified persons who desire to enter, it is necessary to give preference in admission to those who are best qualified, by reason of their previous academic record, their educational and vocational interests, and their aptitudes for the educational programs offered by the University. Procedures and requirements for admission follow.

Admission Procedures

To be considered for admission, a prospective student must fill out and return an application blank obtained from the Admissions Office in the Student Personnel Division. One section of this blank is to be detached and given to the principal of the secondary school last attended, who will return it directly to the University. The applicant should also request the registrar of any college he may have attended to forward to the Admissions Office a transcript of any college work he may have taken. When all the information is received, the applicant will be notified about the possibility of his admission. Admission to the University does not guarantee that the person admitted can secure a room in a University-owned residence hall. All inquiries regarding admission should be addressed to the Admissions Office, University of Connecticut, Storrs, Connecticut.

Each applicant shall present upon request evidence of his industry and application in study and his general fitness to share in the activities of the University. Each applicant may be called upon to supply supplementary information through an interview, if written information about the applicant seems to need amplification or clarification. Before registering for classes, each applicant must present a satisfactory health report upon blanks furnished by the University. This includes a health history, a thorough physical examination, and a certificate of successful vaccination against smallpox. Each prospective student is earnestly advised to have his eyes and teeth examined and all defects corrected before he enters the University.

Admission Requirements

Following are the particular requirements for admission to each of the schools and colleges. In addition to these specific requirements an applicant must either rank relatively high in his secondary school graduating class or make a satisfactory score on an aptitude examination administered by the University.

Admission to the College of Agriculture

1. Applicants must have completed 16 units in or have graduated from an approved secondary school.

2. They must present at least four years of English, two years of mathematics, and one year of a natural science. They are advised but not required to present one year of physics and one year of chemistry.
3. Ordinarily at least three-fourths of the normal four-year secondary school program presented for admission must consist of college preparatory (non-vocational) work.

4. These requirements may be met as a whole or in part by examination.

Admission to the College of Arts and Sciences

1. Applicants must have completed 16 units in or have graduated from an approved secondary school.

2. They must present at least four years of English, two years of mathematics, and one year of a natural science. They are advised but not required to begin the study of a modern foreign language in secondary school. They are advised also to present at least one year of physics or chemistry.

3. At least 13 of the secondary school units presented for admission must be college preparatory (non-vocational) work.

4. These requirements may be met as a whole or in part by examination.

Admission to the School of Business Administration

1. Applicants must have completed 16 units in or have graduated from an approved secondary school.

2. They must present at least four years of English, two years of mathematics, and one year of a natural science. They are advised but not required to include a modern foreign language.

3. Ordinarily at least three-fourths of the normal four-year secondary school program presented for admission must consist of college preparatory (non-vocational) work.

4. These requirements may be met as a whole or in part by examination.

Admission to the School of Education

Students desiring admission to this school must have completed approximately two years of college work and must satisfy certain other requirements. For these requirements see the statement under "The School of Education."

Admission to the School of Engineering

1. Applicants must have completed 16 units in or have graduated from an approved secondary school.

2. They must present at least four years of English, two years of algebra, one year of geometry, and one year of chemistry or physics.

3. Ordinarily at least three-fourths of the normal four-year-secondary school program presented for admission must consist of college preparatory (non-vocational) work.

4. These requirements may be met as a whole or in part by examination.
Admission to the Graduate School

For the requirements for admission to the Graduate School, see the statement under “The Graduate School.”

Admission to the School of Home Economics

1. Applicants must have completed 16 units in or have graduated from an approved secondary school.

2. They must present at least four years of English, two years of mathematics, and one year of a natural science. They are advised but not required to present one year of chemistry and one year of physics.

3. Ordinarily at least three-fourths of the normal four-year secondary school program presented for admission must consist of college preparatory (non-vocational) work.

4. These requirements may be met as a whole or in part by examination.

Admission to the College of Insurance

A separate announcement and catalog is published by the College of Insurance and may be obtained by writing to the Registrar of the College of Insurance, 39 Woodland Street, Hartford. Announcement of admission requirements is included in this catalog.

Admission to the College of Law

A separate announcement and catalog is published by the College of Law and may be obtained by writing to the Registrar of the College of Law, 39 Woodland Street, Hartford. Announcement of admission requirements is included in this catalog.

Admission to the School of Nursing

1. Applicants must have completed 16 units in or have graduated from an approved secondary school.

2. They must present at least four years of English, two years of mathematics, one year of physics, and one year of chemistry.

(Note: During the college year 1943-44, students will be admitted to the School of Nursing with one year of natural science.)

3. Ordinarily at least three-fourths of the normal four-year secondary school program presented for admission must consist of college preparatory (non-vocational) work.

4. These requirements may be met as a whole or in part by examination.

Admission to the College of Pharmacy

A separate announcement and catalog is published by the College of Pharmacy and may be obtained by writing to the Dean of the College of Pharmacy, 150 York Street, New Haven. Announcement of admission requirements is included in this catalog.
Admission to the Ratcliffe Hicks School of Agriculture

Requirements for admission to the two-year program in agriculture are graduation from high school and an acceptable amount of agricultural work or experience.

Following are policies and procedures concerning admission with advanced standing, admission with unclassified status and enrollment in credit courses in University Extension and Summer Session.

Admission with Advanced Standing

Students may be admitted from other collegiate institutions having requirements similar to those of the University of Connecticut provided their records are acceptable. The number of transfer credits such students receive depends upon the character, quantity, and quality of the work they have done. Each applicant for admission with advanced standing must present a complete official transcript of his secondary and collegiate work.

Admission with Unclassified Status

1. Persons of maturity and earnestness of purpose who, in the opinion of the admission officers, are capable of undertaking college work with profit may be admitted as unclassified students for complete courses or parts of courses. Such students must be at least twenty-one years of age. They may be required to demonstrate, by examination or otherwise, that they are qualified to undertake college work.

2. Students who have completed work in other accredited collegiate institutions and who do not desire to become candidates for degrees at the University may also be admitted as unclassified students upon presentation of a statement certifying that they are in good academic standing in, or are graduates of, the institution last attended.

An unclassified student who completes at least 54 credits of academic work and has a cumulative quality point ratio of at least 21 may be admitted to candidacy for a degree upon approval of the Dean of the University and the Dean of the school or college in which the degree is to be earned. Any student who is registered as an unclassified student from choice, but who meets all requirements for a regular student in good standing, may become a regular student on petition to the Registrar.

Enrollment in University Extension and Summer Session

The rules for admission as regular students to the various schools and colleges apply to students enrolling in credit-courses in Extension and in Summer Session. Students may be admitted with unclassified status under the conditions stated above.
FEES AND EXPENSES

PAYMENT OF FEES

Registration is not complete in any semester until all the fees for that semester have been paid. All fees must be paid at the Business Office in Beach Hall before registration. Failure to pay fees before registration will necessitate an extra fee of $5.00.

UNIVERSITY FEE

The University fee is $125.00 a year, one-half payable each semester. This fee admits the student to all educational facilities of the University, to service at University dining halls at reduced rates, to athletic activities and all home games, and, in case of illness, to the University infirmary for one week a year without additional charge except for meals or special nurse.

RESIDENCE HALL RENT

A fee, from $65.00 to $130.00 a year for men and from $75.00 to $130.00 a year for women, is charged all students living in University-operated housing facilities.

ADVANCE PAYMENT.

Each returning student is required to make an advance payment of $67.25 not later than August 15 for the fall semester. A student entering the University for the first time in the fall or spring semester must make a payment of $67.25 upon receiving his notice of admission to the University. This advance payment will apply toward the regular fee bill.

If, after making the advance payment, an entering or returning student decides not to come, he must notify the University immediately.

REFUND OF FEES

Students withdrawing from the University before the end of eight weeks of a semester are entitled to a refund of part of their fees. No refunds will be made after eight weeks except for students entering military service, who will receive refunds of fees, residence hall rent, and semester meal tickets on a proportionate basis. There will be no refund of fees to those students who complete the work of the semester by taking all their examinations.

All students who withdraw from the University for any reason must notify the Registrar on the proper forms before any refunds will be made.

BREAKAGE DEPOSIT

A deposit of $20.00 is required of each full-time student. This deposit, less deductions for breakage, fines, unearned military commutation, and any other outstanding charges, will be refunded to students graduating from or leaving the University.
Board

Two dining halls are maintained for students, one in the immediate vicinity of the women’s dormitories and one near the dormitories for men. A book of meal coupons for a semester may be obtained for about $110.00 when bought in advance. A book of coupons for a specific number of meals is available for $20.00; coupons purchased on this basis are at a slightly higher rate per meal. A student having a semester coupon book for one dining hall may exchange coupons with a student at the other dining hall. Soda-fountain service is available in the University store in Beach Hall.

Student Activities Fee

A fee of $4.75 each semester is collected for the support of student organizations. This fee includes a subscription to the Campus, a weekly student publication, and a copy of the Nutmeg, the junior annual class book.

Volunteer Scholarship Fund

Each entering student is requested to contribute $2.00 toward a volunteer scholarship fund created for the purpose of rendering financial aid to students.

Non-Resident Fee

Every undergraduate student who is not a resident of the State of Connecticut is required to pay a non-resident fee of $100.00 each semester in addition to other University fees. The residence of a minor follows that of his parents or legal guardian.

Summary of Expenses

The following estimates of the expenses of regular full-time students who are Connecticut residents indicate the costs of attendance at the University. They do not include personal expenditures for clothing, entertainment, and other items which vary with the individual:

<table>
<thead>
<tr>
<th></th>
<th>Minimum Estimate</th>
<th>Liberal Estimate</th>
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</thead>
<tbody>
<tr>
<td>University fee</td>
<td>$125.00</td>
<td>$125.00</td>
</tr>
<tr>
<td>Residence Hall fee</td>
<td>65.00*</td>
<td>130.00</td>
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<tr>
<td>Board</td>
<td>220.00</td>
<td>220.00</td>
</tr>
<tr>
<td>Books and incidental University expenses</td>
<td>50.00</td>
<td>75.00</td>
</tr>
<tr>
<td></td>
<td>$460.00*</td>
<td>$550.00</td>
</tr>
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* Ten dollars should be added to these figures in the case of women students.
GRADUATE STUDENT FEES

The graduate student fee for students taking work on the Storrs campus during the two winter semesters is $100.00, which covers the entire period of graduate work up to the granting of the Master's degree. This fee is also required of students taking the fifth year of teacher training. A proportionate part of this fee is paid in advance each semester. A deposit of $10.00 is required, which is later refunded less any charges outstanding. These fees do not entitle students to reduced rates at University cafeterias. Fees for graduate work taken in the Summer Session are at the rate of $5.00 per credit. Fees for work taken in University Extension are at the rate of $7.50 per credit.

PART-TIME STUDENT FEES

Part-time students who register for less than 12 credits a semester are charged at the rate of $5.00 a credit with a minimum charge of $10.00. A deposit of $10.00 is required, which is later refunded, less any charges outstanding. These fees do not entitle students to reduced rates at University cafeterias except by special arrangement with the Business Office.

SUMMER SESSION

Fees for the Summer Session are $30.00 for each six-weeks term, $62.50 for the fifteen-week semester. For students carrying less than the normal load of six credits, fees are at the rate of $5.00 per credit. A payment of $5.00 is required when application is made. This payment is applied toward fees due if the student enrolls, but is not refundable. Students who attend courses without credit pay full fees for this privilege.

The price to all students for rooms is $25.00 for each six-weeks term, $55.00 for the fifteen-week semester. All dormitory rooms are furnished but, contrary to former practice, bedding and daily care of the rooms will not be provided. A key deposit of $1.00, which is refundable upon return of the key, is charged upon admission to the dormitories. Entering freshmen are required to live in the dormitories unless other arrangements are approved by the Division of Student Personnel.

Meal tickets will cost $50.00 for each six-weeks term, $105.00 for the fifteen-week semester. Students who prefer to pay for each meal separately need not purchase a meal ticket.

A typical summary of Summer Session expenses follows. To these items should be added a small amount, approximately $10.00 to $20.00, for books and incidental expenses, $9.00 military fee for entering freshman men and transfers who have not earned a uniform elsewhere, and $20.00 breakage fee for all entering freshmen and transfer students.

<table>
<thead>
<tr>
<th></th>
<th>Six Weeks (One Term)</th>
<th>Twelve weeks (Two Terms)</th>
<th>Fifteen weeks (One semester)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fees</td>
<td>$30.00</td>
<td>$60.00</td>
<td>$62.50</td>
</tr>
<tr>
<td>Room</td>
<td>25.00</td>
<td>50.00</td>
<td>55.00</td>
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<tr>
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FINANCIAL AIDS TO STUDENTS

The University provides financial assistance to many students to enable them to continue their education. This assistance, in the form of scholarships, loans, and part-time employment opportunities, is administered by the Division of Student Personnel.

Scholarships

Scholarships are awarded to applicants who qualify on the basis of citizenship, need, and scholastic record. They range in amount from $50.00 to $300.00. Both entering and returning students are eligible for scholarships. Persons who are not residents of Connecticut are not eligible. Ordinarily awards of scholarships for the school year are made before July 1 preceding the opening of the University in the fall. Application blanks for scholarships should be obtained from the office of the Director of Student Personnel and should be returned to that office not later than May 1.

The following scholarships are available:

A. The Trustees Scholarships—160 scholarships of $50.00 each are made available each year by the Trustees of the University.

B. The Trustees Agricultural Scholarships—40 scholarships of $50.00 each are made available each year by the Trustees of the University for students in the College of Agriculture.

C. The William Holcomb Memorial Scholarships—10 scholarships of $100.00 each may be awarded annually from the Student Volunteer Loan Fund, preference being given to seniors.

D. Sears Roebuck Agricultural Foundation Scholarships—One scholarship of $140.00 for a sophomore in the College of Agriculture and 6 scholarships of $110.00 each to freshmen in the College of Agriculture are made available annually by the Sears Roebuck Agricultural Foundation.

E. The Hood Scholarship—The Charles H. Hood Educational and Charitable Trust makes available annually a scholarship of $200.00 to a man or woman student majoring in dairying in the College of Agriculture.

F. The Hamilton F. Downing Scholarships—2 scholarships of $175.00 each are awarded annually, one to a senior man and one to a senior woman, preference being given to students from New London County.

G. The Parent-Teachers' Association of Connecticut—One scholarship of $50.00 is awarded annually to a woman student in the School of Home Economics.

H. The E. Charlotte Rogers Scholarship Fund—Through the efforts of a group of alumnae and members of the staff, a scholarship, usually about $25.00, is awarded annually to a deserving junior or senior student, preferably to a junior nutrition major.
I. The Beach Memorial Scholarships—One or more scholarships may be awarded annually from this fund, contributed by alumni, friends and students.

J. The Beatrice Fox Auerrbach Foundation Scholarships—Four scholarships of $200 each available to freshman students, including at least one woman, in the College of Pharmacy. Restricted to residents of Connecticut, at least one to be a resident of greater Hartford.

Two scholarships of $300 each available to freshmen in agriculture and in home economics. Awarded to a Hartford County 4-H Club boy and girl.

K. The Margaret Allison Pierson Student Aid Fund—One scholarship, income from the fund, about $50. The fund is the gift of the Home Club of Cromwell in memory of the founder and first president. Preference is given to a student from Cromwell.

L. Pharmacy Scholarships—Various firms and associations in the field of pharmacy make available each year funds for scholarships for students in the College of Pharmacy. For 1943-44 the following are available:

1. The Traveling Men’s Auxiliary of the Connecticut Pharmaceutical Association provides a scholarship of $265.00, which covers a full year’s fees for an entering freshman.

2. The Regal Drug Company of New Haven, Connecticut, provides a scholarship of $135.00, which covers one semester’s fees for an entering freshman.

3. The Charles S. Leete Company of New Haven provides a scholarship of $135, which covers one semester’s fees for an entering freshman.

Graduate Assistantships

Several graduate assistantships are available for regular graduate students. Some of these assistantships are for nine months and others for twelve months. Graduate assistants are expected to work half-time for the University, and the usual stipend is $70.00 per month.

Fellowships

Trumbull Fellowship. The Trumbull Electric Manufacturing Company offered a graduate fellowship for the year 1940-41 to a student selected by the Department of Dairy Industry for research in electric pasteurization of milk. The fellowship may be renewed.

Wirthmore Dairy Fellowship. The Chas. M. Cox Company offers a graduate fellowship to a student selected by the Department of Dairy Industry. This fellowship, subject to renewal annually, ordinarily will be awarded for a two-year period, and is for research with dairy cattle.
Loans

University Loans. The University has a fund from which loans are made to selected students. This fund has been supplemented by the Student Volunteer Loan Fund. Loans will be made only to residents of Connecticut who have completed not less than one-half year's work, who have earned part of their way, and who have done satisfactory college work. They will not be granted to part-time students. A loan automatically becomes due whenever the student withdraws from the University. Loans draw interest at six percent beginning October 1 following graduation. Payments of the principal begin on the same date at the rate of five percent per month. Applications for loans should be made on a form obtainable at the office of the Director of Student Personnel.

Lamson Memorial Scholarship Loan Fund of the Class of 1929. This fund provides two loans of $100 each, annually, one to a senior man and one to a senior woman. Character and scholastic ability are considered and preference is to be given descendants of the members of the class of 1929.

Grange Loan Fund. A junior or senior who is a member of a Connecticut Grange may borrow not more than $150.00 to $200.00 per year from the Connecticut State Grange. Interest of two percent per annum while in college, four percent for the next three years and six percent thereafter will be charged. About $5000 in loans is outstanding and the total fund amounts to $8500. Application should be made to Dr. Henry Dorsey, Storrs, Connecticut.

Pan-Hellenic Loan Fund. The local Pan-Hellenic Council provides a loan of $50 or less to a sorority woman having a cumulative quality point ratio of at least 22, preference being given to seniors.

Employment

Part-time jobs of many kinds are available to students in the University. These jobs include work in the cafeterias, laboratories, library, and the creamery as well as many other places on the campus of the University. In addition there are usually several regular and odd jobs available in the University community and in nearby communities. Students working on part-time jobs earn from a few dollars a year to slightly over $200.00 a year in a few cases. The University does not guarantee employment to any of its students. Entering students should ordinarily have sufficient funds for their first year. Applications for part-time work should be made at the office of the Director of Vocational Guidance and Placement.
STUDENT-UNIVERSITY RELATIONS

Regular attendance at classes and other University appointments and observance of University regulations are expected of all students.

No student or group of students, in connection with any public performance, athletic or non-athletic, shall use any name or designation that implies they are connected with the University without the sanction of the University Senate or the President.

The privileges of the University may be withdrawn by the President from any student who fails to live up to his obligations as a citizen of the University community.

STUDENT HOUSING

University-owned housing facilities include Hall, Wood, Storrs, and Koons residence halls for men; Holcomb, Whitney, Sprague, and Manchester residence halls for women; and a number of smaller barracks and houses, some of which are used by fraternities and sororities. In addition to these University-owned housing facilities, several rooms are available in the neighborhood of the University. Information concerning these rooms may be obtained from the Director of Housing.

Faculty members and professionally trained staff members serve as Resident Counselors in the larger residence halls, assisted by a group of selected students. The University considers its housing facilities as one means of developing good personal, social, and moral habits, and those in charge of the supervision of housing facilities work towards this end. Although certain regulations, approved by the Student Personnel Division, are established to safeguard both the students and the University, such regulations are kept at a minimum.

All correspondence regarding rooms should be sent to the office of the Director of Housing in the Student Personnel Division. Room assignments are made by this office.

ORIENTATION AND COUNSELING OF STUDENTS

The University, through the Division of Student Personnel, provides a program for the orientation of new students and for the counseling of all students during the residence at the University.

The orientation program includes Freshman Week and a required orientation course for entering students. The aim of this program is to acquaint students with various aspects of University life; to enable faculty and administrative officers to become acquainted with students; and to help each student solve academic, vocational, social, and health problems which he may encounter.

Faculty members are selected as counselors to freshmen and sophomores. Juniors and seniors generally have as their counselors the heads of the departments in which they do the major portion of their work. Faculty counselors are responsible for approving the course registrations of their counselees and for advising them with respect to any problems that may arise in connection with their academic work.
Vocational Counseling and Placement

The University, in its Division of Student Personnel, has established a program of vocational counseling and placement to aid each student in choosing a vocation appropriate to his interests and capacities and to help him become established in the occupation of his choice. Constant contact is maintained with alumni and former students of the University so that they may take advantage of the services of the Director of Vocational Counseling and Placement. Contacts with employing officers in many fields of work are made through conferences on the campus, visits to business and industrial concerns, and places of other kinds of employment, and through personal conferences between students and employers on the campus.

Student Health

Dispensary service and bed care are provided throughout the year at the University Infirmary for all but major illness or injuries. Each entering student receives an X-ray of his lungs to supplement the physical examination. In addition to careful supervision of the health and sanitary conditions of the University plant, the University attempts to maintain the health of the students by providing adequate well-balanced meals in the two dining halls, and by a suitable program of physical exercise and recreation.

Religious Activities

University religious activities take three forms, aside from the public services of worship conducted on or near the campus by the several faiths and denominations. Selected courses in the general field of religion are offered for academic credit in the department of philosophy. Specialized non-credit courses in the history and articles of belief of the individual religious faiths are given without University supervision or control.

Three Counselors in Religion are associated in the third type of University religious activity. They are: Rev. James J. O'Brien, Counselor to the Catholic students; Rabbi Maurice L. Zigmond, Counselor to Jewish students; and Rev. J. Garland Waggoner, University Chaplain and Counselor to Protestant students. These men are appointed by the University on nomination of the respective faiths. The three great religious communions are thus officially represented in the University. The Counselors in Religion seek to establish relationships with students for personal consultation and guidance of the religious organizations of the groups to which they have natural access.

Social Activities

The Counselor for Social Activities has general supervision over student social activities, and arrangements for such activities are cleared through her office. Various organizations and committees sponsor a wide variety of social activities so that each student may participate in those
activities in which he is most interested. The recreational rooms in the residence halls are used for dances, smokers, teas, card parties, and other events such as the meetings of clubs and student organizations. Major dances such as the Freshman Frolic, the Military Ball, the Coed Formal, the Football Hop, the Greek Letter Dance, the Junior Prom, and the Senior Dance are held during the school year in the Armory. Informal dances, movies, and other events provide weekend activities for the residents of the campus. Fraternities, sororities, and other student organizations sponsor social affairs for their members and the Student Senate sponsors all-University social functions of several kinds.

THE ALUMNI ASSOCIATION

The Alumni Association of the University of Connecticut was formed to promote closer fellowship among former students and graduates of the institution, to promote the interests of the University and to maintain a mutually helpful relationship between the University and the Alumni.

Local alumni clubs have been organized to carry on the social activities of the alumni in the several areas, to interest prospective students in the University and to keep the people of their respective communities correctly informed regarding the work of the University.

The General Assembly has provided for two alumni members on the Board of Trustees.

Following is a list of officers of the Association:

President ............................................................ SIDNEY A. EDWARDS, '18
Vice-President .................................................... JAMES M. MULLANE, '23
Vice-President ..................................................... PAUL J. KONDLA, '38
Alumnae Representative ................................. MARGARET A. FRASER, '36
Treasurer ............................................................ HAROLD F. WATSON, '28
Secretary ............................................................. GEORGE E. PINCKNEY, '31

Terms of office, except that of Secretary, expire in June, 1943.
STUDENT ORGANIZATIONS AND ACTIVITIES

STUDENT GOVERNMENT. A system of student government is maintained through the Student Senate, an elective body which serves as the executive committee for the entire undergraduate student body. The Women’s Student Government Association is concerned particularly with matters affecting women students. The Student Senate apportions the student activities fee among the various activities that serve the student body generally.

There are available to each student opportunities for participation in a variety of organizations and activities, as indicated by the following list:


ATHLETICS. Athletics are administered by the Division of Physical Education and Athletics. The University is a member of the New England College Conference on Intercollegiate Athletics and adheres to the rules of this Conference. There is intercollegiate competition in football, basketball, track, baseball, soccer, swimming, rifle, tennis, and golf. Intramural teams are maintained in many of these sports. Student organizations connected with Athletics are the Intramural Council, the Varsity Club, Women’s Athletic Council, and Women’s Varsity Club.

DEBATING. The Henry K. Denlinger Debating Society, organized as the Connecticut Alpha chapter of Pi Kappa Delta, a national honorary forensic fraternity.


FINE ARTS. The Montieth Arts Society.


RADIO. University of Connecticut Broadcasting System (student broadcasting station) affiliated with the Intercollegiate Broadcasting System.

DEPARTMENT CLUBS AND OTHER SOCIETIES. Allerlei (non-sorority group); Archery Club; Bankiva Club (poultry husbandry); Biology Club: Block and Bridle (animal husbandry); B’nai B’rith, Hillel Society; Caliendo Club (Spanish); Chess Club; Engineers Club; Forestry Club; History and Government Club; Home Economics Club; Horticulture Club; University 4-H Club; The George H. Lamson Science Club;
Mansfield Grange; Mathematics Club; Newman Club; Officers Club; Outing Club; Pencraft Club (writing society); Philosophy Club; The Round Table (current topics discussion group); Society for the Advancement of Management; Sociology Club; University Christian Association.

Social Fraternities. Alpha Gamma Rho, Alpha Phi, Eta Lambda Sigma, Phi Epsilon Pi, Phi Mu Delta, Pi Alpha Pi, Sigma Phi Gamma, Kappa Sigma, Tau Epsilon Phi, Phi Kappa Lambda, Phi Sigma Delta. The Mediator is the inter-fraternity council and governing body of the fraternities.

Social Sororities. Kappa Alpha Theta, Kappa Kappa Gamma, Phi Delta Upsilon, Sigma Kappa Delta, Sigma Upsilon Nu (petitioning Pi Beta Phi), Theta Psi. The sororities are governed in intersorority relationships by the Pan-Hellenic Council.

There are five honorary fraternities and two honorary societies as follows:

**Alpha Tau Phi.** (The honorary engineering fraternity.) Students in the School of Engineering, in recognition of their scholastic attainments, are selected for membership each spring from the junior and senior classes.

**Gamma Chi Epsilon.** (A local honorary scholastic fraternity.) Its members are selected in their junior and senior years by the senior representatives in recognition of their scholastic excellence, moral character and participation in student activities.

**Lambda Gamma Delta.** (The national honorary judging fraternity.) Participants in intercollegiate judging contests of livestock or other agricultural products are eligible for membership.

**Pi Kappa Delta.** (A national honorary forensic fraternity.) A specified amount of participation in debating activities is required for membership.

**Theta Alpha Phi.** (A national honorary dramatic fraternity.) A specified amount of participation in dramatic activities is required for membership.

**The Druids.** An honorary society composed of outstanding senior men. This group is interested in promoting the welfare of the University through improved relationships among the students and between students and faculty members.

**The Laurels.** An honorary society composed of senior women chosen for scholarship, leadership and character. This group is active in improving social relationships among the students and between students and faculty members.
ACADEMIC REGULATIONS AND PROCEDURES

Regulations and procedures affecting students in the University are made by the University Senate, the faculties of the several schools and colleges, and various administrative officers.

Registration

All undergraduate students are required to register before the first day of classes in each semester, and on the dates announced. Students not properly registered during a semester or term may not at the end of that period receive credit for courses or parts of courses completed, unless upon recommendation of the counselor, the instructor concerned, and the Dean of the school or college concerned, permission is granted by the Director of the Division of Student Personnel.

Late Registration. A student who fails to register at the specified time is subject to a fee of five dollars unless he can satisfy the Director of the Division of Student Personnel that his lateness was unavoidable.

A student registering more than one and less than six weeks late shall take a part-time program, proportionate to the lateness of registration, with the expectation of making up the work lost.

Adding or Dropping Courses. A student may not add or drop a course except with the written permission of his counselor, which must be filed with the Registrar.

A student who desires to add a course after the end of the first week of the semester shall also obtain the written consent of the instructor concerned and of the Dean of the school or college concerned before being admitted.

Courses may be dropped before the end of the sixth week of a semester without loss or gain of credit. A student who drops a course after the sixth week of a semester will receive a mark of failure in the course, unless exception is made by the Director of the Division of Student Personnel on the recommendation of the counselor and the Dean of the school or college concerned.

Credits Permitted in a Semester. Full-time students must register for not fewer than 12 academic* credits in any semester.

Except in the School of Engineering, a student whose total quality points for the previous semester were fewer than 26 times the number of academic credits for which he was registered at the end of the semester may register for a maximum of 17 academic credits for the succeeding semester. No entering freshman may register for more than 17 academic credits, and no student may register for more than 18 academic credits.

* Credit in Orientation 100, Physical Education 101, 111, 112, and one-half credit each semester in Military Science 110 and 120 is non-academic credit, for which no quality points are computed. All other credit is academic.
In the School of Engineering, a freshman or sophomore whose total quality points for the previous semester were fewer than 26 times the number of academic credits for which he was registered at the end of the semester may register for a maximum of 17 academic credits for the succeeding semester, and a junior or senior for 19. No freshman or sophomore may register for more than 19 academic credits, and no junior or senior for more than 21.

Exceptions to the regulations on credits permitted in a semester may be made by the Director of the Division of Student Personnel upon the recommendation of the counselor and the Dean of the school in which the student is registered.

**Time When Certain Courses Must Be Taken.** If a counselor stipulates the time when university course requirements should be met, the student must take the courses at that time unless an exception is made by the Director of the Division of Student Personnel upon recommendation of the Dean of the school in which the student is registered.

**Prerequisites.** All prerequisites to courses as listed in the catalog must be met by students prior to registration in those courses. If, however, a student considers that he has the equivalent of a prerequisite listed for a given course, he may present evidence thereof to the instructor concerned, and may register for the course if written consent is filed by the instructor in the Registrar’s Office.

**Special Topics and Problems Courses.** Credits earned by undergraduate students in special topics and problems courses are limited to a maximum of six in a single department in any one semester.

**Withdrawals.** A student in good scholastic standing who withdraws from the University at any time before the final examinations in a semester shall receive no credit for courses taken nor be charged with any failures during the semester. No student who withdraws after the end of the sixth week of a semester will be readmitted to the University without the permission of the Director of the Division of Student Personnel. (For special procedures governing students who enter war service during a semester see the following section on “Scholastic Standards.”)

A student in good standing who leaves the University at the end of a semester and is out of residence for one or more semesters may re-enter at the beginning of any later semester upon application to the Registrar.

**Credit Transferred from Other Collegiate Institutions.** Work done in other collegiate institutions is evaluated by the Dean of the University. Entering students submit official transcripts of such work as part of the admission procedure. Students registered at the University who desire to take work in other collegiate institutions to be applied toward their degree at the University should obtain approval from the Dean of the University before taking such work.
Classification of Students. Students in good standing are listed as sophomores, juniors, or seniors, if they have completed as full-time students two, four, or six semesters respectively. Transfer students shall be classified on their transfer credit on the basis of 12 credits per semester.

Part-Time Students. An undergraduate who registers for fewer than 12 academic credits is a part-time student and may not participate in any extra-curricular activities involving intercollegiate competition. A student may register for fewer than 12 credits only with the consent of the Director of the Division of Student Personnel.

Attending Courses Without Credit. Persons who do not wish to register for credit may be permitted to register as auditors under the following conditions: That they pay the regular fees (no additional fee for students registered for a full-time credit load); obtain the consent of the instructor; audit only courses for which there are adequate classroom and laboratory facilities; and obtain the consent of the Director of the Division of Student Personnel at the beginning of each semester in which they wish to audit, or, in the case of full-time students, the consent of their counselor. All permissions and registrations for auditing courses shall be filed in the Registrar's Office.

Minimum Requirements for Undergraduate Degrees

Requirements in General. The degree of Bachelor of Arts or of Science is awarded by vote of the Board of Trustees to students who have met the following requirements: (1) Earned a minimum of 120 academic credits and a minimum of 125 total credits; (2) earned at least 18 times as many quality points as the total number of academic credits for which they have been registered; (3) met all the requirements of one school of the University; (4) and passed a comprehensive examination in the field of their major and closely related work. Students are referred to the detailed statements of the various schools for additional requirements.

The degree of Bachelor of Science in Engineering is granted to students in Engineering who have successfully completed a minimum of 138 academic credits and a minimum of 143 total credits, and have earned at least 18 times as many quality points as the total number of academic credits for which they have been registered, provided they have met all the requirements of the School and have passed a comprehensive examination. (Note: Students who have taken C.E. 276 in place of C. E. 275 are required to earn a minimum of 140 academic credits and a minimum of 145 total credits.)

No degree shall be granted unless the work of the last two semesters has been completed in residence. All Extension courses offered by this institution for credit may be used to meet undergraduate residence requirements.

No course shall be counted for graduation unless it is presented within eight years of the time it was taken, except by consent of the Dean of the school or college concerned and the Dean of the University.
Any student who graduates within eight years of the time he first entered the University may meet the requirements (1) as existing at the time of the first entrance or (2) upon notice to the Registrar, as they existed at any subsequent time.

Any student may, with the permission of the Dean of the school or college concerned, meet school or college requirements by examination without credit, the examination to be given by the department in which the course meeting the requirement is offered.

Degrees are granted on Commencement Day only. Students who do not complete the work for the degree by Commencement Day may not receive the degree until the following Commencement. Although degrees are conferred only at Commencement, students who complete the requirements at any other time may, at their request, have their diplomas dated as of the time when the requirements were completed.

Orientation. All students entering the University with fewer than two semesters of college work are required to take the course in orientation, unless exception is made by the Director of the Division of Student Personnel.

Physical Education. All freshman students and all sophomore women are required to take physical education except when excused by the University physician. Successful completion of this course is required for graduation. Any student may be required to take special work in physical fitness if conditions warrant such action. The courses in physical education required of all freshman students and all sophomore women are waived for students transferring from other institutions if they can be expected to graduate in four semesters or fewer.

Military Training. All physically fit male students 14 to 26 years of age who are enrolled as freshmen or sophomores and who are citizens of the United States are required to complete successfully two years of military training in the Reserve Officers' Training Corps. Exceptions to this rule may be made only by the Board of Trustees. Such students must continue to register for military science in each succeeding semester until the requirement has been completed. No other freshman or sophomore students may elect military training without the consent of the Professor of Military Science and Tactics and the Dean of the University. All male students who transfer to this institution from institutions where military science is not required for graduation and who can be expected to graduate in four semesters or fewer are exempt from military science.

Juniors or seniors who do not sign the contract for the advanced work in the Reserve Officers' Training Corps may not elect the junior-senior courses in Military Science, except with the consent of the Professor of Military Science and Tactics and the Dean of the University.

No credit toward the degree is granted for the R.O.T.C. summer training course prescribed for those who are candidates for a Reserve Officer's Commission.
With the permission of the Professor of Military Science and Tactics, a student who has failed a course in military science may repeat the course and register for a following course in the same semester and receive full credit in the two courses, although taking only one drill.

**Junior-Senior Elections.** Each student in his sophomore year shall file with the Registrar his choice of electives for the remainder of his college program. No course which is taken by a student to meet a freshman-sophomore requirement of a school or college may be counted in his major elective plan.

**Comprehensive Examination.** All students are required to pass prior to the awarding of the undergraduate degree a comprehensive examination (at least part of which shall be written) set by the major department or departments.

Comprehensive examinations shall be given once each semester in every department where there are qualified candidates who desire to be examined. No student may take a comprehensive examination in a department more than once in a semester. Comprehensive examinations shall be scheduled by the departments, but ordinarily not earlier than two weeks before the beginning of the semester examination period, and in no case before the middle of the semester.

A student whose degree is withheld because of his performance on his comprehensive examination may take the examination at any later time when such examinations are being regularly given, but not more than once in a semester.

Students who take comprehensive examinations in the semester at the end of which they expect to complete their requirements for the Bachelor's degree may be excused, by action of their major department, from final examinations in courses given by that department. In any course outside the major department, the instructor may excuse such students from the final examination if he so desires.

Related departments may cooperate in the preparation of examinations; thus, the Departments of Botany and Zoology might elect to give an identical examination in Biology to all their students.

**Scholastic Standards**

**Marks, Quality Points, and Credits.** All marking is done according to a letter system in which A represents excellent work; B, good; C, fair; D, merely passing; F, failure; the abbreviations Inc., Abs., and Inc-S to be used as stated below. The equivalent quality points are as follows: A—40 quality points per credit; B—30; C—20; D—10; F—no quality points.

For courses in which a student earns a grade of A, B, C, or D, he receives the credit listed in the catalog; for courses failed, no credit is granted. No student who has failed in a course has further opportunity
to receive credit in that course except by repeating the work. A student who withdraws from a full-year course at the close of the first semester will, if he has passed the course, receive credit for the work of the first semester unless it is announced in the catalog that the course must be taken in its entirety; in which case the credit shall be withheld until the course is completed.

**Marks of Incomplete and Absent.** A student may be given the mark of *Incomplete* when, because of the necessary absence of the student or other reason equally satisfactory to the instructor, a portion of the assigned work has not been completed, and then only when the instructor judges the work already done by the student to be of passing quality.

A student who does not attend the semester examination is marked *Absent* if, in the opinion of the instructor, the student might by satisfactory performance on the examination complete the work of the course with a passing mark; if in the opinion of the instructor such a student would fail the course regardless of the result of the examination, the student will be given a mark of *F.* When a mark of *Absent* is given, the student may have a later opportunity to take an examination if the absence is excused by the Director of the Division of Student Personnel. Excuse will be granted if the absence is due to grave cause such as the student’s serious illness, or the serious illness or death of some member of his immediate family.

A student may obtain credit for courses in which his marks are *Incomplete* or *Absent* only by completing the work of the course in a satisfactory manner before the end of the fourth week of the next semester in which he is enrolled.

A student who enters war service during a semester will receive a mark of *Inc-S* in each course unless before leaving he took, with the permission of the Dean of the University, an examination covering the entire course. If a student who has been passing the course fails such an examination he still will receive a mark of *Inc-S.* The Dean of the University shall be responsible for determining to whom the mark of *Inc-S* shall be given.

When a student who has received an *Inc-S* returns, he may, with the permission of the Dean of the University, take an examination covering the entire course in order to earn credit for the course; or he may drop the course without receiving a failure. A returning student who fails in such an examination may still drop the course without receiving a failure.

**Credit for Students Entering Military or Other War Service.** Credit or other recognition for military or other war service shall be awarded only to individuals, upon completion of their service, who shall apply to the institution for this credit or recognition, and who shall meet such tests as the institution may prescribe in each individual case.

**Reports of Standing.** The scholastic record of each student is reported to his parents at the end of each semester and at the end of the first eight weeks of each semester. Mid-semester marks are given to students by their counselors and are not a part of the permanent records.
A student who is 21 years of age or over may petition that marks be sent to him whenever issued. Reports of marks of all unclassified and graduate students will be sent to them.

If a student is doing unsatisfactory work at mid-semesters, the full responsibility for improvement is left to him. He is strongly advised, however, to confer with his counselor and with the instructors concerned regarding the scholastic phases of his program, and with some member of the Division of Student Personnel concerning the non-scholastic phases.

Suspension or Expulsion. Suspension is temporary separation from the institution, involving non-residence on the University campus. Suspension or expulsion may be incurred as a result of unsatisfactory conduct. No student who has been suspended shall receive an honorable dismissal during the period of his suspension.

Dismissal from the University. Dismissal from the University for scholastic reasons shall be in line with regulations set forth below, which are administered by the Director of the Division of Student Personnel. A student is dismissed from the University as deficient in scholarship:

1. If in any semester he has failed to earn a minimum of eight academic credits or if he has failed to earn 60 percent of the academic credits for which he was registered at the end of the semester.

2. If at the end of his second or of his third semester he has earned fewer than 14 times as many quality points as the total number of academic credits for which he has been registered.

3. If at the end of his fourth or of any subsequent semester he has earned fewer than 16 times as many quality points as the total number of academic credits for which he has been registered.

Exceptions. 1. Any student who is subject to dismissal under the quality point rule alone will not be dismissed if his work in the current semester is sufficient in quantity and quality so that if he continues such work until he has been in residence nine semesters he will meet the requirements for graduation. 2. Any freshman whose cumulative quality point ratio would make him subject to dismissal but whose work in the second semester alone would meet the quality point ratio rules will not be dismissed.

Any student who is dismissed, or any member of the faculty in his behalf, may request reconsideration of the case by the Division of Student Personnel.

Readmission of Dismissed Students. Students who are dismissed are classified in two groups: Those in Group A will be readmitted upon application after one semester has elapsed; those in Group B will be readmitted only under exceptional circumstances. This is interpreted to mean that a student dismissed on the “B” list, in order to demonstrate that he deserves to be readmitted, must offer some objective evidence of his ability to do college work and the sincerity of his desire to do so. A
student dismissed on the “B” list, if readmitted, is on probation for a semester. During that period the Division of Student Personnel will keep in touch with his work, and will have authority to dismiss him at the end of the semester or at any time during the semester when he is not maintaining satisfactory scholarship.

**DEGREES WITH DISTINCTION**

Degrees with distinction are awarded to students who in an examination near the close of the senior year give evidence of unusual attainment in their major field of interest. The awards to successful candidates may be given with highest distinction, with high distinction or with distinction. The fact that candidates for degrees have completed with distinction work in a special field will be stated on their diplomas, on the commencement program and in the catalog.

Each department is responsible for selecting candidates for degrees with distinction from among its major students, obtaining their consent to candidacy and notifying the Registrar that the candidacy is approved. Prospective candidates must have a cumulative quality point ratio of 23 or more for their first three years, except that any student giving evidence in his comprehensive examination of having attained an exceptionally good grasp of his major field and its relation to other fields, may be permitted to become a candidate for distinction with the consent of the Scholastic Standards Committee upon recommendation of his department. A department may, on notice to the Registrar, withdraw the candidacy of any student who proves unadapted to independent study.

The preparation of candidates is supervised by the major department. As a prerequisite to examination each candidate shall complete at least three and preferably six credits of supervised study in integrating, correlating and extending his knowledge of his major field.

Preparation for the distinction examination may be offered in partial fulfillment of a student’s requirement of academic credit for the Bachelor’s degree, and will be accepted to the extent of not more than 12 credits.

After consideration of the student’s needs and capabilities and the facilities available, the student and his major counselor shall decide jointly whether it is desirable to substitute work preparatory to the distinction examination for work in courses, and if so, what the credit equivalent of the work shall be and how it may most profitably be divided; for example, between the following types of preparation: 1) independent reading, study and research under guidance; 2) attendance on courses as an auditor; and 3) work in seminar courses of various types.

Each student’s plan shall be filed with the Registrar preferably before the beginning of his seventh semester and not later than the end of the second week of his eighth semester. The preparatory work may be included in the student’s election sheet in either his major or related work, or may be divided between them. It shall appear on his permanent record as “preparation for the distinction examination.”
**ACADEMIC REGULATIONS AND PROCEDURES**

The examination shall include a thorough oral and written test of the candidate's knowledge of the major field and whatever other ground may be prescribed by his department, such as his ability to see relationships between subjects which have been treated in different courses, his knowledge of important topics related to but outside his major field, or his familiarity with current activity in his field.

Students who take distinction examinations in the semester at the end of which they expect to complete their requirements for the Bachelor's degree may be excused, by action of their major department, from final examinations in courses given by that department. In any course outside the major department, the instructor may excuse such students from the final examination if he so desires.

Distinction examinations shall be scheduled by the departments, but ordinarily not earlier than two weeks before the beginning of the semester examination period, and in no case before the middle of the semester.

**HONORS AND PRIZES**

**Senior Honors.** The President is authorized to make at each Commencement a public award of prizes, in the form of inscribed volumes, to the three members of the graduating class of the University who during their whole undergraduate course have attained the highest rank in scholarship, as determined by the Committee on Scholastic Standards. A student must have been in residence at least four semesters to be eligible for senior honors. Also, to be eligible, a student must have ranked among the top three students for the time he has been in residence, as well as ranking among the top three for the cumulative record.

**The Honor List.** Semi-annually the Registrar issues an honor list granting first honors to those students who for the previous semester (a) were registered for at least 12 credits; (b) received no mark below C; and (c) earned at least 35 times as many quality points as the number of academic credits for which they were registered at the end of the semester; and second honors to those students who for the previous semester (a) were registered for at least 12 credits; (b) received no mark below C; and (c) earned 30 or more times, but less than 35 times, the number of academic credits for which they were registered at the end of the semester.

**The Ratcliffe Hicks Prize.** Three cash prizes of thirty dollars, twenty dollars and ten dollars respectively are offered each year for original essays on assigned subjects. The essays are judged by a member of the department of English at another college, and the prizes are awarded at Commencement. These prizes are made possible by the income of a gift of one thousand dollars made to the college in 1894 by Ratcliffe Hicks of Tolland.

**The E. Stevens Henry Award.** A bequest of $1,000 was left in 1922 by E. Stevens Henry of Rockville, former trustee. The income is
awarded annually to the sophomore whose scholastic rank as a freshman was highest. The money is applied to University fees.

The William Duran Holman Prize. A fund of two thousand dollars was established in 1926 in memory of William Duran Holman, treasurer of the college from 1899 to 1902, by his wife, Emma J. Holman, his son, Charles W. Holman, and his daughter, Alice Holman Hall. Half the income of the fund each year is awarded to the student having the highest standing in animal husbandry in the junior class and half to the student having the highest standing in animal husbandry in the senior class.

The Fannie Hatewarey Boss Prize. Two prizes are offered each year for excellence in French. One prize of ten dollars is offered for men and one of ten dollars for women. These prizes are made possible by the income of a gift made to the University in 1936 by Mrs. Fannie H. Boss.
THE COLLEGE OF AGRICULTURE

Faculty

Albert Nels Jorgensen, Ph.D., LL.D., President of the University
Charles Burt Gentry, M.S. in Agr., Dean of the University
Edwin Garver Woodward, A.M., Dean and Director of the College of Agriculture
George Cleveland White, M.A., Vice Dean of Resident Teaching
Raymond Kingsley Clapp, B.S., Vice Director of Agricultural Extension
William LeRoy Slate, B.Sc., Vice Director of Storrs Agricultural Experiment Station

George Newton Alpaugh, B.S., Assistant Instructor in Rodent Control
Elmer Olin Anderson, M.S., Associate Professor of Dairy Industry
Luther Jay Atkinson, M.S., Assistant Professor of Agricultural Economics¹
Frank Fay Atwood, B.S., Assistant Editor
Thomas Burt Avery, M.S., Assistant Professor of Poultry Husbandry
Esther Dodge Barnett, M.A., Assistant Editor²
Elizabeth Baumann, Assistant Instructor in Genetics
Eugene Nathan Bilenker, B.A., Graduate Assistant in Dairy Industry
Lawrence Joseph Bilon, B.S., Assistant Instructor in Floriculture¹
Raymond George Bressler, Jr., M.S., Associate Professor of Agricultural Economics
Benjamin Arthur Brown, M.S., Associate Professor of Agronomy
Augustus Jackson Brundage, Professor of Agricultural Extension, State 4-H Club Leader
Floyd Mayo Callward, B.S., Associate Professor of Forestry¹
Raymond Kingsley Clapp, B.S., Professor of Agricultural Extension, County Agent Leader
David Andrew Clarke, Jr., M.S., Instructor in Agricultural Economics
Leo Joseph Cotnoir, Jr., B.A., Graduate Assistant in Agronomy
Linton Brown Crandall, B.S., Professor of Apiculture
Bradford Dean Crossmon, B.S., Instructor in Farm Management
Marion Evans Dakin, B.S., Associate Professor of Nutrition
Ford Curtis Daugherty, M.S., Associate Professor of Animal Husbandry
Henry Dorsey, Ph.D., Professor of Agronomy
Leonard Reynolds Dowd, M.S.A., Assistant Professor of Dairy Industry
Frank Francis Ferrigno, M.S., Instructor in Animal Diseases
Donald Clifton Gaylord, B.S., Instructor in Animal Husbandry
Rebecca Gifford, D.V.M., Instructor in Animal Diseases
Gottfried Christian Graf, M.S., Instructor in Dairy Industry
Harold Homer Hale, B.S., Assistant Instructor in Animal Diseases¹
Denzel June Hankinson, Ph.D., Instructor in Dairy Industry
Wesley Joyce Hansen, M.S., Instructor in Agricultural Economics
William Frederich Henry, M.S., Instructor in Agricultural Economics¹
Sherman Preston Hollister, B.S.A., Professor of Horticulture
Neil Wetmore Hosley, Ph.D., Associate Professor of Forestry and Wildlife Management
James Lowell Hypes, Ph.D., Professor of Sociology
Robert Ebenezer Johnson, M.S., Associate Professor of Dairy Industry
Roy Edwin Jones, Professor of Poultry Husbandry
Wesley Parkhurst Judkins, Ph.D., Assistant Professor of Pomology³
Erwin Leopold Jungherr, D.M.V., Professor of Animal Diseases
Oliver Wilhelm Kaufmann, B.S., Graduate Assistant in Dairy Industry
Malcolm Henderson Kerr, M.S., Assistant Professor of Animal Husbandry
Allan Victor King, M.S., Instructor in Agronomy
Walter Landauer, Ph.D., Professor of Genetics
Harriet Elizabeth Longley, B.S., Assistant Instructor in Agronomy
John Henry Lunn, B.S., Assistant Instructor in Poultry Husbandry
Lisbeth Macdonald, B.N., Assistant Professor of Rural Health
Manring Virgil Malmstrom, B.S., Graduate Assistant in Poultry Husbandry⁴
Albert Irving Mann, M.S., Associate Professor of Dairy Industry
Edith Lilian Mason, B.S., Professor of Home Economics, State Home Demonstration Leader
Lloyd Daniel Matterson, Ph.D., Assistant Professor of Poultry Husbandry
Arthur Ronello Merrill, B.S., Professor of Dairy Industry
John Turner Merrill, A.B., Assistant Editor¹
Garry Almon Miles, B.S., Instructor in Poultry Husbandry and Horticulture, 4-H Clubs³
Clarence John Miller, M.S., Instructor in Agricultural Economics
Edwin Lincoln Minard, Ph.D., Instructor in Animal Diseases
Rex J. Morthland, M.A., Assistant Professor of Agricultural Economics¹
Albert Ernest Moss, M.F., Professor of Forestry⁵
Rufus Isham Munsell, M.S., Instructor in Agronomy
Martin Luther Odland, Ph.D., Assistant Professor of Vegetable Gardening
James Stanley Owens, M.S., Professor of Agronomy
Ruth Evelyn Parcells, B.S., Assistant Instructor in Animal Diseases
Roland Harrison Patch, M.S., Associate Professor of Floriculture
Harold Oliver Perkins, M.I.A., Assistant Professor of Landscape Gardening
Edmond Adrian Perregaux, Ph.D., Professor of Agricultural Economics
George LeRoy Peterson, Ph.D., Assistant Professor of Agricultural Economics³
Harold Everett Pinches, M.Sc., Associate Professor of Agricultural Engineering
Wayne Norman Plastridge, Ph.D., Associate Professor of Animal Diseases
Alton Millett Porter, Ph.D., Assistant Professor of Vegetable Gardening
Paul Lee Putnam, M.S., Professor of Farm Management
Leo Frederick Rettger, Ph.D., Professor of Animal Diseases
Howard Arthur Rollins, M.S., Associate Professor of Pomology
Loy Luther Sammet, M.Sc., Assistant Professor of Agricultural Engineering¹
August Frederick Schulze, M.S., Instructor in Animal Diseases
Harold Martin Scott, Ph.D., Professor of Poultry Husbandry
Stanley Kilbourne Seaver, M.S., Instructor in Agricultural Economics
Harry Wilbur Seeley, B.S., Assistant Instructor in Dairy Industry
Joseph Clement Shaw, Ph.D., Assistant Professor of Dairy Industry
Dorothy Yale Shepard, B.S., Assistant Instructor in Animal Diseases
Matilda Martha Sobon, B.S., Assistant Instructor in Animal Diseases⁴
Franklin Wallburg Southwick, M.S., Assistant Professor of Pomology⁶
Walter Stemmons, B.S., Editor
Marion June Stevenson, B.S., Instructor in Animal Diseases³
Gladys Elizabeth Stratton, M.A., Associate Professor of Home Management
Katherine Amanda Tingley, M.A., Assistant Professor of Clothing
Elsie Trubue, B.S., Associate Professor of Agricultural Extension, Assistant State 4-H Club Leader
Corinne Wadhams, B.S., Assistant Instructor in Floriculture²
Nathan Laselle Whetten, Ph.D., Professor of Rural Sociology¹
George Cleveland White, M.A., Professor of Dairy Industry
Albert Edmund Wilkinson, M.S.A., Professor of Vegetable Gardening
Leander Farnham Williams, M.S., Instructor in Animal Diseases
Edgar Zwilling, Ph.D., Assistant Instructor in Genetics

Consultants and Collaborators

(Without vote)

Leslie Clarence Dunn, Sc.D., Genetics Research, Professor of Zoology, Columbia University
Alan MacLeod, Ph.D., Agricultural Economics Research, Executive Secretary, New England Research Council on Marketing and Food Supply
Alwin M. Pappenheimer, M.D., Animal Diseases Research, Professor of Pathology, Columbia University

Emeritus Professors

William Merrill Esten, M.S., Professor of Bacteriology, Emeritus
Harry Lucian Garrigus, B.Agr., Professor of Animal Husbandry, Emeritus
William Franklin Kirkpatrick, M.S., Professor of Poultry Husbandry, Emeritus
Albert Ernest Moss, M.F., Professor of Forestry, Emeritus⁵
Alva True Stevens, M.S., Professor of Gardening, Emeritus
David Edmond Warner, B.S., Associate Professor of Poultry Husbandry, Emeritus
County Extension Agents

Fairfield County
LeRoy Miller Chapman, B.S., Agricultural Agent
Ralph Francis Sturtevant, B.S., Assistant Agricultural Agent
Robert Francis Stevens, M.S., Assistant Agricultural Agent
Helen Louise Clark, B.S., Home Demonstration Agent
James Royal Case, M.A., Club Agent
Marjorie Barham Clement, B.S., Acting Club Agent
Stanley William Whitson, B.S., Assistant Club Agent

Hartford County
William Lombard Harris, Jr., B.S., Agricultural Agent
Russell Sigurd Anderson, B.S., Assistant Agricultural Agent
Ruth Tower Russell, B.S., Home Demonstration Agent
Ethel Wadsworth Veenendaal, B.S., Home Demonstration Agent
Randolph Wilbur Whaples, B.S., Club Agent
Ruth Jewett Lang, B.S., Assistant Club Agent

Litchfield County
Raymond Putnam Atherton, B.S., Agricultural Agent
Stanley Newkirk Gaunt, B.S., Assistant Agricultural Agent
Eleanor Stowe Moss, B.S., Home Demonstration Agent
George Dale Musser, B.S., Club Agent
Ruth Emeline Barrus, B.S., Assistant Club Agent

Middlesex County
Philip Frederick Dean, B.S., Agricultural Agent
Marjorie Symonds Lord, Home Demonstration Agent
James Thomas Laidlaw, B.S., Club Agent
Henry Martin Hansen, B.S., Club Agent
Marion Standen Watson, B.S., Associate Club Agent

New Haven County
Roy Ellis Norcross, B.S., Agricultural Agent
Robert Gregg Hepburn, B.S., Associate Agricultural Agent
Frances Maria Whitcomb, M.A., Home Demonstration Agent
Warren Edwin Brockett, B.S., Club Agent
Maria Shaw Preston, M.A., Club Agent in Home Economics

New London County
William Lakin Brown, B.S., Agricultural Agent
Walter Stanley Hale, B.S., Agricultural Agent
Stanley Hopkins Wiggin, B.S., Assistant Agricultural Agent
Mary Louise Wright, B.S., Home Demonstration Agent
Tilford William Cocks, M.S., Club Agent
Lois Virginia Latimer, B.S., Assistant Club Agent

Tolland County
Ernest Eugene Tucker, Agricultural Agent
Sarah Helen Roberts, M.S., Home Demonstration Agent
Eugene Henry Sefton, B.S. in Agr., Club Agent
Owen Smith Trask, B.S., Club Agent
Dorothy Maud Morton, B.S., Assistant Club Agent

Windham County
Raymond Eric Wing, M.S., Agricultural Agent
Stanley Hopkins Wiggin, B.S., Assistant Agricultural Agent
Gussie Randall, M.A., Home Demonstration Agent
Howard Dexter Johnson, B.S., Club Agent
John Albert Perkins, B.S., Club Agent
Charlotte Gove Neff, B.S., Associate Club Agent
Barbara Foerch Palmer, B.S., Associate Club Agent

1 On leave for war service, military or civil.
2 Replacing staff member on leave for war service.
3 Resigned second semester 1942-43.
4 Resigned first semester 1942-43.
5 Retired second semester 1942-43.
6 Appointed second semester 1942-43.
7 Transferred from New London County to Hartford County.
8 Devotes half time to New London County and half time to Windham County.
COMMITTEE ON CURRICULUM AND COURSES OF THE COLLEGE OF AGRICULTURE. It is the function of this committee to make recommendations to the faculty of the College of Agriculture with respect to the general character and number of credit-units of the "200-399" courses offered in the several departments and with respect to the junior-senior curriculum requirements of the College. This committee may submit for consideration by the Freshman and Sophomore Curriculum and Courses Committee suggestions with respect to the freshman-sophomore curriculum and courses of the College of Agriculture. Messrs. Scott (chairman), Anderson, B. A. Brown, Hosley, Pinches, Porter, Putnam, and the Vice-Dean of the College and the Dean of the University (members ex officio).

GENERAL STATEMENT

In 1862 a federal act provided for a grant of land to each state to finance the establishment of one or more colleges. One of the chief purposes of this act was to provide instruction in agriculture and related subjects. Subsequent federal acts have added to the duties of these colleges until at the present time they are serving agriculture and rural people in many ways. All of these services are rendered through education. The University of Connecticut is the institution designated to perform these functions in Connecticut, which it does for rural people through the College of Agriculture. The College of Agriculture, which is now supported by both federal and state appropriations, offers not only resident instruction in agriculture but also does research and experimental work for agriculture through the Storrs Experiment Station, and carries information directly to the farm families of the state through its Extension Service in Agriculture and Home Economics.

The College is of tremendous influence in actual farming and agricultural marketing operations, and in the formulation of agricultural policies in the state. Its graduates are prominently identified with all state-wide movements for the betterment of agriculture. The College of Agriculture, through its educational program and the influence of its graduates, is doing important work in making agriculture a more satisfactory way of life.

The program of the College of Agriculture divides into three distinct branches: Resident Instruction, Storrs Agricultural Experiment Station, Extension Service.

Resident Instruction

UNDERGRADUATE WORK. The four year curriculum leads to the Bachelor of Science degree. Many students choose to conclude their training before the end of this period, and in such cases considerable flexibility is allowed to meet special needs. The curriculum itself, while designed to provide the elements of basic training, is liberal enough to permit students to develop, under guidance, the program of study best suited to their needs. The beginning courses in agriculture in the several subject matter departments should be chosen not for vocational purposes alone but for their liberalizing influence as well.

FACILITIES. The College operates a farm, herds and flocks, orchards, vegetable and flower gardens, a greenhouse and a forest tract. The dairy cattle, horses, sheep, beef cattle, hogs and poultry, including the Storrs International Egg Laying Contest, have won wide recognition in this country and abroad.
Scholarships. A number of generous scholarships are available to entering freshmen and to other students in the College of Agriculture. For more information on scholarships see the statement under “Financial Aids.”

Practical Training. While not an absolute requirement for admission, practical experience is nevertheless important in all lines. Students should avail themselves of opportunities during summer vacation periods and with the University fields and flocks to obtain experience, especially in their major field. Any department may advise or require a maximum of six months’ practical experience before graduation. For experience requirements in vocational teaching see the School of Education.

Admission Requirements. See the statement under “Admission to the University.”

Required Courses. Following is an alphabetical list of courses prescribed for all students in this College:

- Bact. 201—General Microbiology
- Bact. 205—Bacteriological Technic (unless exempted by arrangement)
- Chem. 101—Elementary Chemistry (if not presented for entrance)
- Chem. 120—General Chemistry
- Econ. 111—Principles of Economics
- Econ. 112—Principles of Economics
- Eng. 103—English Composition (if placement test indicates need)
- Eng. 105 or 107—English Composition
- Eng. 108 or 109—English Composition
- Inter. 100—Orientation
- Math. 107—Basic Mathematics
- M. S. 110—R. O. T. C.
- M. S. 120—R. O. T. C.
- P. E. 101—P. E. Activities
- Phys. 100—Elements of Physics (if not presented for entrance)
- Zool. 111—Human Anatomy and Physiology

In addition to the above the student must elect, usually before the end of his sophomore year, at least one course in Groups A and C, two in Group B and four courses in Group D as listed below. As a rule, elections should be made from Group D in the freshman year, but elections may also be made from the other groups. A student who presents the equivalent of any of these courses may be permitted to substitute other courses upon recommendation of the Dean of the College, approved by the Dean of the University.

Only one general course in animal production and one in plant production are included among the requirements, and even these are in the alternate list of beginning courses comprising Group D. A great deal of responsibility is placed upon the student and his counselor to explore different agricultural subject matter fields in electing courses beyond the required list to fill the program in the sophomore year. Again in the final two years attention should be given to selecting courses with a view to filling gaps in the student’s knowledge and experience and avoiding too narrow specialization. Selection of courses in several agricultural subjects is strongly recommended in order that adequate preparation may be made to meet the diversified demands of most positions in farming and in other lines.

Students planning to prepare for vocational teaching of agriculture should refer to the statement of the School of Education, in which School they should register at the beginning of their junior year.
DEFERRING REQUIRED COURSES. In special cases, for example if a student wishes to continue with a foreign language, certain of these courses may be deferred upon recommendation of the counselor and the approval of the Vice-Dean.

**Curriculum in Agriculture**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Inter. 100—Orientation</td>
<td>1</td>
</tr>
<tr>
<td>Eng. 103, 105 or 107—English Composition</td>
<td>3</td>
</tr>
<tr>
<td>M. S. 110—R. O. T. C.</td>
<td>1(1/2)</td>
</tr>
<tr>
<td>P. E. 101—P. E. Activities</td>
<td>1</td>
</tr>
<tr>
<td>Chem. 101—Elementary Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>(If not presented for entrance)</td>
<td></td>
</tr>
<tr>
<td>Physics 100—Elements of Physics</td>
<td>3</td>
</tr>
<tr>
<td>(If not presented for entrance)</td>
<td></td>
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<tr>
<td>Group requirements</td>
<td>7 to 13</td>
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</tbody>
</table>

**Second Semester**

<table>
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<tr>
<th>Credits</th>
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<td>3</td>
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<tr>
<th>(If not taken first semester) or</th>
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<tbody>
<tr>
<td>Chem. 120—General Chemistry</td>
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<tr>
<td>Eng. 105 or 107—English Composition</td>
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<tr>
<td>(If not taken first semester)</td>
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<tr>
<td>M. S. 110—R. O. T. C.</td>
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<tr>
<td>P. E. 101—P. E. Activities</td>
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<tr>
<td>Zool. 111—Human Anatomy and Physiology</td>
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<td>Group requirements</td>
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**SOPHOMORE YEAR**

<table>
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<tr>
<th>First Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Chem. 120—General Chemistry</td>
<td>4</td>
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<tr>
<td>(If not taken first year)</td>
<td></td>
</tr>
<tr>
<td>Econ. 111—Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>Math. 107—Basic Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>M. S. 120—R. O. T. C.</td>
<td>1(1/2)</td>
</tr>
<tr>
<td>Group requirements or elective</td>
<td>6 to 10</td>
</tr>
</tbody>
</table>

**Second Semester**

<table>
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<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>3</td>
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</tbody>
</table>

| Bact. 201—General Microbiology                                              | 3       |
| Bact. 205—Bacteriological Technique                                        | 2       |
| (Unless exempted by the Dean)                                              |         |
| Econ. 112—Principles of Economics                                          | 3       |
| Eng. 108 or 109—English Composition                                        | 3       |
| M. S. 120—R. O. T. C.                                                      | 1\(1/2\) |
| Group requirements or elective                                             | 4 to 7  |

The following group requirements must be completed before the end of the sophomore year:

At least one course from:

- A—Agr. Econ. 180, Social and Economic History of Agriculture; Econ. 101, American Economic History; Govt. 131, Introduction to Government; Govt. 132, Introduction to Government; Hist. 110, Of 18 Of 18
- Civ. Civilizations to the Reformation; Hist. 112, Western Civilization from the Reformation
- Democracy and the Fundamentals of American Government; Soc. 102, Introduction to a
- Soc. 103, Principles of Sociology.

At least two courses from:

- B—Art 132, Introduction to Art; Art 135, Art Appreciation; Eng. 106, Introduction to Literature; Eng. 112, World Literature; Eng. 113, World Literature; Eng. 124, Evolution of the Theater; Hort. 129, Landscape Art; M. E. 115, Engineering Drawing; Mus. 191, Music Appreciation; Mus. 192, Music Appreciation.

At least one course in sophomore year from:

- C—D. I. 175, Animal Nutrition; Phil. 111, Fundamentals of Logic; Psys. 131, Introductory Psychology.

At least four courses from:

- D—A. E. 100, Introduction to Agricultural Engineering; Bot. 110, Introduction to Botany; Bus. Ad. 131, Accounting; Inter. 110, Animal Industries; Inter. 111, Plant Industries; Zool. 121, Introduction to Zoology.

**JUNIOR AND SENIOR YEARS**

In these two years the student elects, with the approval of his counselor, a sufficient number of courses to fulfill the total requirements of 125 credits for graduation. Also he must plan and carry out a program of courses designed for a particular objective, such as general farming, specialty farming, extension work, commercial work, teaching, research or technical work.

Major Objectives. Each student is required to complete a group of courses totaling not less than 30 credits, selected as preparation for some objective. These courses must be numbered 200 or above. Fifteen of the credits must be in a single department or a single field.
Agricultural engineering, agronomy, animal diseases and bacteriology, animal husbandry, dairy production, dairy manufactures, agricultural economics, education and social sciences, entomology and apiculture, farm management, forestry, wildlife management, genetics, pomology, landscape gardening, floriculture, vegetable gardening, poultry husbandry, general science and general farming are the most obvious suggestions for major concentration. Certain combinations of the above subjects will be found most suitable in preparation for vocational teaching, extension and county agent work and other public employment.

**Bachelor's Degree Requirements.** Upon recommendation of the Faculty the degree of Bachelor of Science is awarded by vote of the Board of Trustees to students who have met the following requirements: (1) earned a minimum of 120 academic credits and a minimum of 125 total credits; (2) earned at least 18 times as many quality points as the total number of academic credits for which they have been registered; (3) met all the requirements of the College of Agriculture; (4) passed a comprehensive examination in the field of their major objective.

**Graduate Work.** Some of the departments are equipped to handle graduate students who are interested in securing greater specialization of training. This study may lead to a Master of Science degree which can be obtained in about one year of full study after the bachelor's degree has been earned. A number of graduate assistants are appointed each year, from lists of especially qualified candidates. For further information on graduate study the student is referred to the announcement of the Graduate School.

**The Storrs Agricultural Experiment Station**

As in other states the functions of research in agriculture and related fields are assigned to the Experiment Station. Financial support is furnished by both Federal and State grants.

The program of the Storrs Station is developed around the livestock industry, the fruit and vegetable industries, and the social sciences. More than fifty active projects distributed through these fields indicate the range of activity. A few members of the Station staff devote their entire time to research, while others carry both teaching and research duties.

Members of the staff cooperate with the Extension Service not only by furnishing data in their several fields but frequently by lectures and conferences throughout the state. Farmers and other citizens often write or come to the University for specific information. Thus the results of research are made available not only through the formal channels of publications but in many informal ways.

**The Extension Service**

The Extension Service makes available to the people of the state information regarding the results of scientific research in agriculture and homemaking, and through a definitely planned program endeavors to interest them in putting improved methods into practice in order that there may be a profitable agricultural industry and a satisfying home and community life in the country.
Extension teaching is carried on through demonstrations, farm and home visits, news stories, bulletins, meetings of local groups to consider some particular farm or homemaking subject, and boys’ and girls’ 4-H Clubs. Through letters, office calls and by telephone a wide variety of requests for information and assistance is handled. In addition to the Extension staff actively engaged in this work, the members of the resident teaching staff and of the research staff are available for consultation.

Much of the Extension Service program is carried on through the County Farm Bureau organization in each county. County and local committees largely determine what the program will be and provide most of the local leadership for carrying on a diversified program in every town in Connecticut.

Of those members regularly appointed to the Extension staff, nearly half have their headquarters at the University and work throughout the state as specialists in particular fields; the others are engaged as county agents in agriculture, homemaking, or boys’ and girls’ club work and have their headquarters with the county farm bureaus.

The Extension Service is a unit of a national system of education established by state and federal laws.
Faculty

Albert Nels Jørgensen, Ph.D., LL.D., President of the University
Charles Burt Gentry, M.S. in Agr., Dean of the University
Howard Douglas Newton, Ph.D., Acting Dean of the College of Arts and Sciences

Marjorie Deborah Abrahams, A.M., Assistant Instructor in Botany
Janet Mora Aitken, M.A., Assistant Instructor in Geology
Newton Wellington Alexander, Lieutenant Colonel, Infantry, U.S.A., Assistant Professor of Military Science and Tactics
Lawrence Hardin Amundsen, Ph.D., Associate Professor of Chemistry
Raymond Rich Andrews, B.A., Graduate Assistant in Chemistry
Homero Arjona, Ph.D., Associate Professor of Foreign Languages
Frank Fay Atwood, B.S., Assistant University Editor
Robert Chester Baldwin, Ph.D., Associate Professor of Philosophy
Esther Dodge Barnett, M.A., Instructor in English
James Harwood Barnett, Ph.D., Associate Professor of Sociology
Arthur Peter Becker, M.A., Instructor in Economics
Harwood Seymour Belding, Ph.D., Associate Professor of Zoology
Franklin George Benson, Staff Sergeant, Infantry, (D.E.M.L.) R.O.T.C., Assistant to the Professor of Military Science and Tactics
David James Blick, M.S., Instructor in Chemistry
Weston Ashmore Bousfield, Ph.D., Associate Professor of Psychology
Jack Wolf Broucek, M.M., Instructor in Music
Joseph Brown, Jr., A.M., Assistant Professor of Foreign Languages
Edwin Grant Burrows, Ph.D., Assistant Professor of Sociology
Martin Cary Burton, Jr., M.M., Instructor in Music
Ralph Judson Bushnell, Ph.D., Assistant Professor of Genetics
Eric Walter Carlson, M.A., Instructor in English
William Harrison Carter, Jr., Ph.D., Professor of Economics
William Fitch Cheney, Jr., Ph.D., Professor of Mathematics
Joseph Orlean Christian, B.S., Associate Professor of Physical Education
William Ross Clark, A.M., Instructor in English
Lewis H. Cohen, Ph.D., M.D., Associate Professor of Psychology (on staff of Norwich State Hospital)
Carolyn Clement Comings, B.A., Graduate Assistant in Sociology
Wendell Burnham Cook, Ph.D., Associate Professor of Chemistry
David Crawford, M.A., Instructor in English
Arsène Croteau, M.A., Professor of Foreign Languages
Dorothy Culp, Ph.D., Instructor in Government
Lucretia B. Cunningham, M.S.Sc., Instructor in Sociology (on staff of Council of Social Agencies of Hartford)
Olga Elena deCillis, M.A., Instructor in Psychology
Russell Myles DeCoursey, Ph.D., Professor of Zoology
Norman Carl Dondero, B.S., Graduate Assistant in Bacteriology
Reinhold August Dorwart, Ph.D., Associate Professor of History
Neal Frank Doubleday, Ph.D., Instructor in English
Justin Vary Emerson, B.A., Instructor in English
Hester Elizabeth Evans, B.A., Graduate Assistant in History
Frank Alexander Ferguson, M.A., Professor of Physics
Leonard Wilton Ferguson, Ph.D., Assistant Professor of Psychology
Carl Frederick Fischer, M.A., Assistant Professor of Physical Education
Herbert Arthur France, M.M., Associate Professor of Music
Sophie Giannino, A.B., Assistant Instructor in Foreign Languages
Ingeborg Greff, M.A., Assistant Instructor in English
Roy Jones Guyer, A.B., M.P.E., Professor of Physical Education
Florien Heiser, Ph.D., Associate Professor of Psychology (on staff of Norwich State Hospital)
George Robert Hilton, Ph.D., Instructor in Foreign Languages
Hildegard Hilton, A.B., Graduate Assistant in Economics
Norma Bess Holmes, B.Mus., Instructor in Music
Hugh Wyly Hunter, Ph.D., Assistant Professor of Physics
James Lowell Hypes, Ph.D., Professor of Sociology
Walter David Jackson, Staff Sergeant, Infantry, (D.E.M.L.) R.O.T.C., Assistant to the professor of Military Science and Tactics
John Howard Jacobson, Ph.D., Associate Professor of English
William Henderson Kelly, A.M., Instructor in Sociology
Marc Kessel, Ph.D., Associate Professor of English
Charles Albert Kind, Ph.D., Instructor in Chemistry
Wendell Homer Kinsey, M.A., Associate Professor of Physics
Ernst Ray Kline, Ph.D., Associate Professor of Chemistry
Karl Walter Krantz, M.S., Instructor in Chemistry
Water Leroy Kulp, Ph.D., Professor of Bacteriology
Carl Raymond Kummer, Ph.D., Instructor in Government
Albert Seeley LaRue, A.B., Instructor in Physics
William Norris Leonard, M.A., Assistant Professor of Economics
Stephanie Letitia, B.S., Assistant Instructor in Physical Education
Hollis Clinton Lewis, Captain, Infantry, U.S.A., Assistant Professor of Military Science and Tactics
Bernhard Olaf Johan Linnefeld, M.A., Instructor in Government
Leno Crean Logan, Ph.D., Instructor in History
John Becker Lucke, Ph.D., Associate Professor of Geology
Donald Copeland Gibson MacKay, Ph.D., Assistant Professor of Zoology
Edward Wilbur Manchester, M.A., Instructor in English
Jerauld Armington Manter, B.S., Associate Professor of Entomology
Nelson Marshall, Ph.D., Instructor in Zoology
Joe Coleman May, Captain, Infantry, U.S.A., Assistant Professor of Military Science and Tactics
James Andrew Scarborough McPeek, Ph.D., Associate Professor of English
George Edgar McReynolds, Ph.D., Associate Professor of Government
John Cochran Montgomery, Ph.D., Instructor in Mathematics
Edmund Arthur Moore, Ph.D., Professor of History
Rex J. Northcap, Captain, Infantry, U.S.A., Assistant Professor of Military Science and Tactics
Frederick Albert Mote, Jr., Ph.D., Assistant Professor of Psychology
Howard Douglas Newton, Ph.D., Professor of Chemistry
Carl Gustaf Allan Nordling, Ph.D., Instructor in Mathematics
Helen Howard Nowlis, Ph.D., Instructor in Psychology
Vincent Nowlis, Ph.D., Instructor in Psychology
William Frank Oakman, B.S., Graduate Assistant in Bacteriology
George Hunter Passmore, Lieutenant Colonel, Infantry, U.S.A., Professor of Military Science and Tactics
Elsie Eleanor Paulson, M.A., Assistant Professor of Physical Education
Lawrence Raymond Penner, Ph.D., Instructor in Zoology
Paul Eugene Pfuetze, M.A., B.D., Assistant Professor of Philosophy
Sarah Pon, B.S., Graduate Assistant in Chemistry
Sarah Thorpe Ramage, Ph.D., Instructor in English
Victor Alexander Rapport, Ph.D., Associate Professor of Sociology
Henry James Rockel, Ph.D., Assistant Professor of English
Josephine Ala Rogers, M.A., Associate Professor of Physical Education
Meredith Runner, Ph.D., Instructor in Zoology
George Brandon Saul, Ph.D., Professor of English
André Schenker, M.A., Associate Professor of History
Harold Spencer Schwenk, M.S., Associate Professor of Chemistry
Howard Arnold Seckerson, M.A., Professor of English
Charles Hill Wallace Sedgewick, Ph.D., Associate Professor of Mathematics
Rubin Segal, Instructor in Music (on staff of Julius Hartt School of Music)
Theodor Carl Siegel, Ph.D., Associate Professor of Foreign Languages
James Roger Spriggs, A.B., Graduate Assistant in Economics
Walter Stemmons, B.S., University Editor
Henry Gruber Stetler, M.A., Instructor in Sociology
Earl Gilbert Svendsen, M.Ed., Assistant Professor of Physical Education
Paul Nason Taylor, A.M., Instructor in Economics
Thomas Thale, M.D., Instructor in Psychology (on staff of Norwich State Hospital)
Winthrop Tilley, Ph.D., Associate Professor of English
Emeritus Professors

Richard Elwood Dodge, A.M., Professor of Geography, Emeritus
Christie Jennie Mason, B.Agr., Instructor in Bacteriology, Emeritus

COMMITTEE ON CURRICULA AND COURSES OF THE COLLEGE OF ARTS AND SCIENCES.

It is the function of this committee to make recommendations to the faculty of the College of Arts and Sciences with respect to the general character and number of credit-units of the “200-399” courses offered in the several departments and with respect to the junior-senior curricula requirements of the College. This committee may submit for consideration by the Freshman and Sophomore Curricula and Course Committee suggestions with respect to the freshman-sophomore curricula and courses of the College of Arts and Sciences. Messrs. Bousfield (chairman), Arjona, Barnett, Lucke, MacKay, Rockel, Torrey, and the Dean of the College and the Dean of the University (Members ex officio).

GENERAL STATEMENT. The College offers two curricula differing somewhat in prescribed courses and fields of major work. One leads to the degree of Bachelor of Arts, the other to that of Bachelor of Science. It is expected in each curriculum that the prescribed work will be completed by the end of the sophomore year. After completing the freshman-sophomore required work, students may continue in the College under the guidance of a counselor in accordance with the rules for major, related and unrelated studies, or they may transfer to the professional curriculum of some other school or college having similar admission and curriculum requirements. Work in the College of Arts and Sciences prepares students to enter schools of law, dentistry, medicine and other professional schools in other universities. Students who intend to transfer should plan their work to meet the requirements of the professional school in addition to meeting the requirements of this College.

ADMISSION REQUIREMENTS. See the statement under “Admission to the University.”

REQUIREMENTS FOR ALL STUDENTS. The following courses or groups of courses are prescribed for all students in the College of Arts and Sciences, whether they are candidates for a degree in Arts or in Sciences.

1 On leave 1942-43.
2 First semester 1942-43.
3 Replacing staff member on leave for war service.
4 On leave for war service, military or civil.
5 Second semester 1942-43.
6 Resigned second semester 1942-43.
7 1942-43.
8 Resigned first semester 1942-43.
9 On leave first semester 1942-43.
Students in Arts should complete requirements A through J by the end of the sophomore year; students in Science should complete requirements A through G, and M by the end of the sophomore year.

A. All of the following:  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inter. 100</td>
<td>Orientation</td>
</tr>
<tr>
<td>Eng. 103</td>
<td>English Composition</td>
</tr>
<tr>
<td>Eng. 105 or 107</td>
<td>English Composition</td>
</tr>
<tr>
<td>Eng. 106 or 109</td>
<td>English Composition</td>
</tr>
<tr>
<td>P. E. 101</td>
<td>P. E. Activities (men) 1 and 2</td>
</tr>
<tr>
<td>P. E. 111</td>
<td>P. E. Activities for Freshman Women</td>
</tr>
<tr>
<td>P. E. 112</td>
<td>P. E. Activities for Sophomore Women 1 and 2</td>
</tr>
<tr>
<td>M. S. 110</td>
<td>R. O. T. C. (men) 1 and 2</td>
</tr>
<tr>
<td>M. S. 120</td>
<td>R. O. T. C. (men) 1 and 2</td>
</tr>
</tbody>
</table>

B. At least two of the following in fine arts and related fields:  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 132</td>
<td>Introduction to Art</td>
</tr>
<tr>
<td>Art 135</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td>Eng. 106</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>Eng. 112</td>
<td>World Literature</td>
</tr>
<tr>
<td>Eng. 113</td>
<td>World Literature</td>
</tr>
<tr>
<td>Eng. 124</td>
<td>Evolution of the Theater</td>
</tr>
<tr>
<td>Hort. 129</td>
<td>Landscape Art</td>
</tr>
<tr>
<td>Mus. 191</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>Mus. 192</td>
<td>Music Appreciation</td>
</tr>
</tbody>
</table>

C. At least one of the following in biological science:  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bot. 110</td>
<td>Introduction to Botany 1 or 2</td>
</tr>
<tr>
<td>Zool. 111</td>
<td>Human Anatomy and Physiology</td>
</tr>
<tr>
<td>Zool. 121</td>
<td>Introduction to Zoology 1 or 2</td>
</tr>
</tbody>
</table>

D. At least two of the following dealing with the mind and body: (Zool. 111 may be counted toward the requirements of C also.)  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. I. 175</td>
<td>Animal Nutrition</td>
</tr>
<tr>
<td>Nutr. 162</td>
<td>General Nutrition</td>
</tr>
<tr>
<td>Phil. 111</td>
<td>Fundamentals of Logic</td>
</tr>
<tr>
<td>Psy. 131</td>
<td>Introductory Psychology 1 or 2</td>
</tr>
<tr>
<td>Zool. 111</td>
<td>Human Anatomy and Physiology 1 or 2</td>
</tr>
</tbody>
</table>

E. At least four in the social sciences from the following:  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agr. Econ. 180</td>
<td>The Social and Economic History of Agriculture</td>
</tr>
<tr>
<td>Econ. 101</td>
<td>American Economic History 1 or 2</td>
</tr>
<tr>
<td>Econ. 111</td>
<td>Principles of Economics</td>
</tr>
<tr>
<td>Econ. 112</td>
<td>Principles of Economics</td>
</tr>
<tr>
<td>Govt. 131</td>
<td>Introduction to Government</td>
</tr>
<tr>
<td>Govt. 132</td>
<td>Introduction to Government</td>
</tr>
<tr>
<td>Hist. 110</td>
<td>Western Civilization to the Reform</td>
</tr>
<tr>
<td>Hist. 112</td>
<td>Western Civilization to the Reform</td>
</tr>
<tr>
<td>Inter. 135</td>
<td>Democracy and the Fundamentals of American Government</td>
</tr>
<tr>
<td>Soc. 102</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>Soc. 103</td>
<td>Principles of Sociology</td>
</tr>
</tbody>
</table>

F. Except for those who present a unit of chemistry or of physics taken in the last two years of high school, at least one of the following courses in physical science:  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Astron. 155</td>
<td>Elem. Descriptive Astronomy</td>
</tr>
<tr>
<td>Chem. 101</td>
<td>Elementary Chemistry</td>
</tr>
<tr>
<td>Geol. 103</td>
<td>General Geology, Physical</td>
</tr>
<tr>
<td>Phys. 100</td>
<td>Elements of Physics</td>
</tr>
</tbody>
</table>

G. Students who enter with fewer than three units of high school mathematics take the following course:  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math. 107</td>
<td>Basic Mathematics</td>
</tr>
</tbody>
</table>

ADDITIONAL REQUIREMENTS FOR STUDENTS COMPLETING THE UNDERGRADUATE CURRICULUM IN ARTS. In addition to the foregoing requirements, candidates for the degree of Bachelor of Arts must fulfill the following requirements:

H. Foreign languages, six credits for students who present four or more secondary school units in foreign language, twelve credits for students who present fewer than four secondary school units in foreign language.

I. Biological or physical sciences, six credits, at least three of which shall be in a laboratory subject. Those science courses (C and F) required of all students in the college may be included.

J. Philosophy 100—Introduction to Philosophy.

K. Each student must demonstrate that he possesses a reading knowledge of a modern foreign language.

L. Complete a group of courses amounting to at least 21 credits in one department or in two related departments—the major group; a group of courses amounting to at least 12 credits in subjects related to but outside the major—the related group; and courses amounting to at least 14 credits in subjects unrelated to the major—the unrelated group. Majors will naturally be taken in such fields as those enumerated in the following list, which is, however, intended to be suggestive rather than exclusive:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English and one other language</td>
<td></td>
<td></td>
</tr>
<tr>
<td>French</td>
<td></td>
<td></td>
</tr>
<tr>
<td>French—German—Spanish</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics—Geography</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics—History</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics—Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Government—Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Government—History</td>
<td></td>
<td></td>
</tr>
<tr>
<td>History</td>
<td></td>
<td></td>
</tr>
<tr>
<td>History—Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology—Philosophy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biological Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
All major and related courses must be numbered 200 or above and, as a rule, all unrelated and elective courses carried in the junior and senior years should be so numbered.

Additional Requirements for Students Completing the Undergraduate Curriculum in Science. In addition to the foregoing requirements, A to G, for all students, candidates for the degree of Bachelor of Science must fulfill the following requirements:

M. Demonstrate a reading knowledge of French, German or Spanish. This may be done by examination or by passing French 102, German 112, German 116, or Spanish 122.

N. Complete a group of courses amounting to at least 21 credits in one department or in two related departments—the major group; a group of courses amounting to at least 12 credits in subjects related to but outside the major—the related group; and courses amounting to at least 14 credits in subjects unrelated to the major—the unrelated group. Majors will naturally be taken in such fields as those enumerated in the following list, which is, however, intended to be suggestive rather than exclusive:

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacteriology</td>
</tr>
<tr>
<td>Bacteriology—Pathology</td>
</tr>
<tr>
<td>Botany</td>
</tr>
<tr>
<td>Botany—Genetics</td>
</tr>
<tr>
<td>Botany—Zoology</td>
</tr>
<tr>
<td>Chemistry</td>
</tr>
<tr>
<td>Chemistry—Mathematics</td>
</tr>
<tr>
<td>Chemistry—Physics</td>
</tr>
<tr>
<td>Economics</td>
</tr>
<tr>
<td>Entomology</td>
</tr>
<tr>
<td>Geology—Zoology</td>
</tr>
<tr>
<td>Geology—Chemistry</td>
</tr>
<tr>
<td>Mathematics</td>
</tr>
<tr>
<td>Mathematics—Physics</td>
</tr>
<tr>
<td>Physical Education</td>
</tr>
<tr>
<td>Physics</td>
</tr>
<tr>
<td>Psychology</td>
</tr>
<tr>
<td>Zoology</td>
</tr>
</tbody>
</table>

All major and related courses must be numbered 200 or above and, as a rule, all unrelated and elective courses carried in the junior and senior years should be so numbered.

Exemption and Substitution. Students who, for any reason, desire to be excused from any of these requirements, or to substitute other courses for those prescribed, should consult the Dean of the College. Such exemptions or substitutions must be recommended by the Dean of the College and approved by the Dean of the University.

Curriculum in Arts

Letters in parentheses refer to paragraphs in the fuller statements of the College requirements listed above, which should be consulted. Each student is required to carry at least 12 credits of academic work each semester. Elective work is to be included in the semester-program if the total of prescribed work falls below this minimum.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>First</td>
<td>Second</td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Inter. 100—Orientation 1</td>
<td>(A) Eng. 105 or 107—English Composition...3</td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Eng. 103, 105 or 107—English Composition...3</td>
<td>(B) Fine arts...2 or 3</td>
<td></td>
</tr>
<tr>
<td>(C, F, I)</td>
<td>Biological or physical science 3 or 4</td>
<td>(C, F, I) Biological or physical science...3 or 4</td>
<td></td>
</tr>
<tr>
<td>(H, K)</td>
<td>Foreign language...3</td>
<td>(H, K) Foreign language...3</td>
<td></td>
</tr>
<tr>
<td>(E)</td>
<td>Social science...3</td>
<td>(E) Social science...3</td>
<td></td>
</tr>
<tr>
<td>(G)</td>
<td>Mathematics...3</td>
<td>(G) Mathematics...3</td>
<td></td>
</tr>
<tr>
<td>(A)</td>
<td>P. E. 101 (men) or 111 (women) 1</td>
<td>(A) P. E. 101 (men) or 111 (women) 1</td>
<td></td>
</tr>
<tr>
<td>(A)</td>
<td>M. S. 110—R. O. T. C. (men) 1½</td>
<td>(A) M. S. 110—R. O. T. C. (men) 1½</td>
<td></td>
</tr>
<tr>
<td>Sophomore</td>
<td>First</td>
<td>Second</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Fine arts...3</td>
<td>(A) Eng. 108 or 109—English Composition...3</td>
<td></td>
</tr>
<tr>
<td>(E)</td>
<td>Social science...3</td>
<td>(B) Fine arts...2 or 3</td>
<td></td>
</tr>
<tr>
<td>(D)</td>
<td>Mind and body...3</td>
<td>(E) Social science...3</td>
<td></td>
</tr>
<tr>
<td>(H, K)</td>
<td>Foreign language...3</td>
<td>(D) Mind and body...3</td>
<td></td>
</tr>
<tr>
<td>(J)</td>
<td>Phil. 100—Intro. to Philosophy...3</td>
<td>(H, K) Foreign language...3</td>
<td></td>
</tr>
<tr>
<td>(A)</td>
<td>P. E. 112—P. E. Activities (women)...1</td>
<td>(J) Phil. 100—Intro. to Philosophy...3</td>
<td></td>
</tr>
<tr>
<td>(A)</td>
<td>M. S. 120—R. O. T. C. (men) 1½</td>
<td>(A) P. E. 112—P. E. Activities (women)...1</td>
<td></td>
</tr>
<tr>
<td>SOPHOMORE</td>
<td>First</td>
<td>Second</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Fine arts...3</td>
<td>(A) Eng. 108 or 109—English Composition...3</td>
<td></td>
</tr>
<tr>
<td>(E)</td>
<td>Social science...3</td>
<td>(B) Fine arts...2 or 3</td>
<td></td>
</tr>
<tr>
<td>(D)</td>
<td>Mind and body...3</td>
<td>(E) Social science...3</td>
<td></td>
</tr>
<tr>
<td>(H, K)</td>
<td>Foreign language...3</td>
<td>(D) Mind and body...3</td>
<td></td>
</tr>
<tr>
<td>(J)</td>
<td>Phil. 100—Intro. to Philosophy...3</td>
<td>(H, K) Foreign language...3</td>
<td></td>
</tr>
<tr>
<td>(A)</td>
<td>P. E. 112—P. E. Activities (women)...1</td>
<td>(J) Phil. 100—Intro. to Philosophy...3</td>
<td></td>
</tr>
<tr>
<td>(A)</td>
<td>M. S. 120—R. O. T. C. (men) 1½</td>
<td>(A) P. E. 112—P. E. Activities (women)...1</td>
<td></td>
</tr>
</tbody>
</table>
UNIVERSITY OF CONNECTICUT

JUNIOR AND SENIOR YEARS

(1) Major, related, unrelated and elective work, a minimum of twelve credits each semester.

All major and related courses must be numbered 200 or above and, as a rule, all unrelated and elective courses carried in the junior and senior years should be so numbered.

CURRICULUM IN SCIENCE

Letters in parentheses refer to paragraphs in the fuller statements of the College requirements listed above, which should be consulted. Each student is required to carry at least 12 credits of academic work each semester. Elective work is to be included in the semester-program if the total of prescribed work falls below this minimum.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
<th>Second Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A) Inter. 100—Orientation</td>
<td>1</td>
<td>(A) Eng. 105 or 107—English Composition</td>
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<tr>
<td>(A) Eng. 103, 105 or 107—English Composition</td>
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<td>(C, F) Biological or physical science</td>
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<td>(B) Fine arts</td>
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<tr>
<td>(M) Foreign language</td>
<td>3</td>
<td>(C, F) Biological or physical science</td>
<td>3 or 4</td>
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<tr>
<td>(E) Social science</td>
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<td>(G) Mathematics</td>
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<td>(E) Social science</td>
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<tr>
<td>(A) P. E. 101 (men) or 111 (women)</td>
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<td>(G) Mathematics</td>
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<td>P. E. Activities</td>
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<td>1½</td>
<td>(A) M. S. 110—R. O. T. C. (men)</td>
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SOPHOMORE YEAR

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<th>Credits</th>
<th>Second Semester</th>
<th>Credits</th>
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<tr>
<td>(B) Fine arts</td>
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<td>(A) Eng. 108 or 109—English Composition</td>
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<tr>
<td>(D) Mind and body</td>
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<td>(B) Fine arts</td>
<td>2 or 3</td>
</tr>
<tr>
<td>(M) Foreign language</td>
<td>3</td>
<td>(E) Social science</td>
<td>3</td>
</tr>
<tr>
<td>(A) P. E. 112—P. E. Activities (women)</td>
<td>1</td>
<td>(D) Mind and body</td>
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<tr>
<td></td>
<td></td>
<td>(A) Foreign language</td>
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<tr>
<td>(A) M. S. 120—R. O. T. C. (men)</td>
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<td>(A) P. E. 112—P. E. Activities (women)</td>
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<td></td>
<td></td>
<td>(A) M. S. 120—R. O. T. C. (men)</td>
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</table>

JUNIOR AND SENIOR YEARS

(1) Major, related, unrelated and elective work, a minimum of twelve credits each semester.

All major and related courses must be numbered 200 or above and, as a rule, all unrelated and elective courses carried in the junior and senior years should be so numbered.

BACHELOR’S DEGREE REQUIREMENTS. Upon the recommendation of the Faculty the degree of Bachelor of Arts or Bachelor of Science is awarded by vote of the Board of Trustees to students who have met the following requirements: (1) Earned a minimum of 120 academic credits and a minimum of 125 total credits; (2) earned at least 18 times as many quality points as the total number of academic credits for which they have been registered; (3) met all the requirements of the College in either the Arts or Science curriculum; (4) passed a comprehensive examination in the field of their major and closely related work.

GRADUATE WORK. A limited amount of graduate work in some departments of the College of Arts and Sciences is available. Students are referred to the announcement of the Graduate School and to the course announcements of the departments listed as offering graduate work.
THE SCHOOL OF BUSINESS ADMINISTRATION

Faculty

Albert Nels Jorgensen, Ph.D., LL.D., President of the University
Charles Burt Gentry, M.S. in Agr., Dean of the University
Laurence Justin Ackerman, A.M., LL.B., Dean and Professor of Insurance

Elmer Olin Anderson, M.S., Associate Professor of Dairy Industry
Frank Howard Ash, M.A., Associate Professor of Business Education and Secretarial Studies
Robert Chester Baldwin, Ph.D., Associate Professor of Philosophy
Ruth Bosworth, M.A., Instructor in Secretarial Studies
Hugh Steffensen Cannon, M.B.A., Associate Professor of Accounting
William Harrison Carter, Jr., Ph.D., Professor of Economics
Dorothy Culp, Ph.D., Instructor in Government
Karl Peter Hanson, B.S., Associate Professor of Mechanical Engineering
James Henry Healey, B.S., Assistant Instructor in Business Administration
Charles Raymond Kummer, Ph.D., Instructor in Government
William Lawrence Lomax, Jr., M.B.A., Associate Professor of Industry
Samuel Charles McMillan, M.B.A., Assistant Professor of Marketing
Rex J Morthland, M.A., Assistant Professor of Agricultural Economics
Raymund Alexander Ross, M.A., Assistant Professor of Accounting
Cecil Gage Tilton, M.S., M.B.A., Associate Professor of Business Administration

COMMITTEE ON CURRICULA AND COURSES OF THE SCHOOL OF BUSINESS ADMINISTRATION. It is the function of this committee to make recommendations to the faculty of the School of Business Administration with respect to the general character and number of credit-units of the "200-399" courses offered in the School of Business Administration. This committee may submit for consideration by the Freshman and Sophomore Curricula and Courses Committee suggestions with respect to the freshman-sophomore curricula and courses of the School of Business Administration. Messrs. McMillan (chairman), Ash, Baldwin, Carter, Morthland, Ross, and the Dean of the School and the Dean of the University (Members ex officio).

GENERAL STATEMENT. The curriculum in Business Administration offers training which, while somewhat directed toward vocational objectives, recognizes the civic responsibilities of business men and regards business as a field involving public responsibilities as well as opportunities for profits.

During the first two years a broad cultural training is planned with emphasis on the social sciences. The junior and senior years are devoted to preparing the student for business, the program of each student being adapted to fit his objectives. Opportunity is given for specialization in the fields of accounting, finance, industrial administration, insurance, marketing, and secretarial studies.

ADMISSION REQUIREMENTS. See the statement under "Admission to the University."

1 On leave for war service, military or civil.
2 Replacing staff member on leave for war service.


UNIVERSITY OF CONNECTICUT

CURRICULA IN BUSINESS ADMINISTRATION

REQUIRED COURSES. The following courses or groups of courses are prescribed for all students in this School:

(Group A-I, inclusive, should be completed in the first two years.)

A. All of the following: Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Inter. 100—Orientation</td>
<td>1</td>
</tr>
<tr>
<td>Econ. 111—Principles of Economics</td>
<td>1</td>
</tr>
<tr>
<td>Econ. 112—Principles of Economics</td>
<td>1</td>
</tr>
<tr>
<td>Bus. Ad. 131—Accounting</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Eng. 103—English Composition</td>
<td>1</td>
</tr>
<tr>
<td>(if placement test indicates need)</td>
<td></td>
</tr>
<tr>
<td>Eng. 105 or 107—English Composition</td>
<td>1</td>
</tr>
<tr>
<td>Eng. 108 or 109—English Composition</td>
<td>1</td>
</tr>
<tr>
<td>E. 112—P. E. Activities</td>
<td>1 and 2</td>
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<tr>
<td>T. 111—P. E. Activities (women)</td>
<td>1 and 2</td>
</tr>
<tr>
<td>B. 117—Basic Mathematics</td>
<td>1 and 2</td>
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<tr>
<td>S. 110—R. O. T. C. (men)</td>
<td>1 and 2</td>
</tr>
<tr>
<td>S. 120—R. O. T. C. (men)</td>
<td>1 and 2</td>
</tr>
<tr>
<td>Nutr. 162—General Nutrition</td>
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<tr>
<td>Phil. 111—Fundamentals of Logic</td>
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<tr>
<td>Psy. 131—Introductory Psychology</td>
<td>1 or 2</td>
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<tr>
<td>Zool. 111—Human Anatomy and</td>
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<tr>
<td>Physiology</td>
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<tr>
<td>E. Two of the following in social science:</td>
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<tr>
<td>Agr. Econ. 180—The Social and Economic History of Agriculture</td>
<td>1</td>
</tr>
<tr>
<td>Econ. 101—American Econ. History</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Govt. 131—Introduction to Government</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Govt. 132—Introduction to Government</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Hist. 110—Western Civilization to the Reformation</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Hist. 112—Western Civilization from the Reformation</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Inter. 135—Democracy and the Fundamentals of American Government</td>
<td>1</td>
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<tr>
<td>Soc. 102—Introduction to Anthropology</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Soc. 103—Principles of Sociology</td>
<td>1 or 2</td>
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<tr>
<td>F. Except for those who present a unit of chemistry or of physics from high school, at least one of the following in physical science:</td>
<td></td>
</tr>
<tr>
<td>Chem. 101—Elementary Chemistry</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Geol. 103—General Geology, Physical</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Phys. 100—Elements of Physics</td>
<td>1 or 2</td>
</tr>
<tr>
<td>G. One of the following in mathematics or philosophy: Math. 110—Elementary Analytical Geomtery</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Phil. 100—Introduction to Philosophy</td>
<td>1 or 2</td>
</tr>
<tr>
<td>I. One of the following in intermediate social science: Econ. 200—Economic Geography</td>
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<tr>
<td>Govt. 273—American Government</td>
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<tr>
<td>Govt. 274—State and Local Government</td>
<td>2</td>
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<tr>
<td>Hist. 224—Modern History to the World War</td>
<td>1</td>
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</table>

Letters in parentheses refer to paragraphs in the fuller statements of the School requirements listed above, which should be consulted. Each student is required to carry at least 12 credits of academic work each semester. Elective work is to be taken if the total of prescribed work falls below this minimum.

### FRESHMAN YEAR

<table>
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<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>First</td>
<td>Inter. 100—Orientation</td>
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<tr>
<td></td>
<td>Eng. 103, 105 or 107—English Composition</td>
<td>1 or 2</td>
</tr>
<tr>
<td></td>
<td>Math. 107—Basic Mathematics</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Econ. 111—Principles of Economics</td>
<td>1</td>
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<tr>
<td></td>
<td>(G) Biological or physical science</td>
<td>3 or 4</td>
</tr>
<tr>
<td></td>
<td>P. E. Activities</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>M. S. 110—R. O. T. C. (men)</td>
<td>1½</td>
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### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>First</td>
<td>Bus. Ad. 131—Accounting</td>
<td>3</td>
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<tr>
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<td>Fine arts</td>
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<tr>
<td></td>
<td>Eng. 108 or 109—English Composition</td>
<td>3</td>
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<td>Mind and body</td>
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<td></td>
<td>Social science</td>
<td>3</td>
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<tr>
<td></td>
<td>Mathematics or philosophy</td>
<td>3</td>
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<td></td>
<td>P. E. 112—P. E. Activities (women)</td>
<td>1</td>
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<tr>
<td></td>
<td>M. S. 120—R. O. T. C. (men)</td>
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<th>Semester</th>
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<th>Credits</th>
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<td>Eng. 105—English Composition</td>
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<td></td>
<td>Econ. 112—Principles of Economics</td>
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<tr>
<td></td>
<td>Fine arts</td>
<td>3 or 4</td>
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<tr>
<td></td>
<td>Biological or physical science</td>
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<td>P. E. 111 (men) or 111 (women)</td>
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<td>M. S. 110—R. O. T. C. (men)</td>
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THE SCHOOL OF BUSINESS ADMINISTRATION

CURRICULUM IN ACCOUNTING

See freshman and sophomore requirements common to all Business Administration curricula. In addition to these requirements, Business Administration 132 should be taken during the freshman or sophomore year.

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
<th>Second Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Bus. Ad. 265—Business Law</td>
<td>3</td>
<td>Electives</td>
<td>6</td>
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<tr>
<td>Econ. 211—Economic Theory</td>
<td>3</td>
<td></td>
<td></td>
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<tr>
<td>Bus. Ad. 217—Industrial Management and Organization</td>
<td>3</td>
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SENIOR YEAR

<table>
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<tr>
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<tbody>
<tr>
<td>Bus. Ad. 207—Advanced Accounting</td>
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<tr>
<td>Bus. Ad. 247—Corporation Finance</td>
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<tr>
<td>Econ. 240—Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>Bus. Ad. 255—Principles of Insurance</td>
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CURRICULUM IN FINANCE

See freshman and sophomore requirements common to all Business Administration curricula.

<table>
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<tbody>
<tr>
<td>Bus. Ad. 265—Business Law</td>
<td>3</td>
</tr>
<tr>
<td>Bus. Ad. 255—Principles of Insurance</td>
<td>3</td>
</tr>
<tr>
<td>Bus. Ad. 247—Corporation Finance</td>
<td>3</td>
</tr>
<tr>
<td>Econ. 240—Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>Bus. Ad. 231—Marketing</td>
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JUNIOR YEAR

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Bus. Ad. 276—Business Statistics</td>
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<tr>
<td>Bus. Ad. 248—Investments</td>
<td>3</td>
</tr>
<tr>
<td>Bus. Ad. 250—Principles of Real Estate</td>
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<tr>
<td>Bus. Ad. 216—American Industries</td>
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<tr>
<td>Econ. 241—Business Cycle Theory and Monetary Policies</td>
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SENIOR YEAR

<table>
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<tr>
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<tbody>
<tr>
<td>Econ. 211—Economic Theory</td>
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</tr>
<tr>
<td>Bus. Ad. 217—Industrial Management and Organization</td>
<td>3</td>
</tr>
<tr>
<td>Bus. Ad. 391—Connecticut Industries</td>
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<tr>
<td>Electives</td>
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<tr>
<td>Econ. 242—International Trade and Finance</td>
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<tr>
<td>Econ. 340—Money and Banking Seminar</td>
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<tr>
<td>Econ. 245—Public Finance</td>
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<tr>
<td>Bus. Ad. 394—Business Policy</td>
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<td>Electives</td>
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</table>

CURRICULUM IN INDUSTRIAL ADMINISTRATION

See freshman and sophomore requirements common to all Business Administration curricula.

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Bus. Ad. 217—Industrial Management and Organization</td>
<td>3</td>
</tr>
<tr>
<td>Bus. Ad. 231—Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Bus. Ad. 265—Business Law</td>
<td>3</td>
</tr>
<tr>
<td>Econ. 211—Economic Theory</td>
<td>3</td>
</tr>
<tr>
<td>Bus. Ad. 265—Cost Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Bus. Ad. 218—Motion and Time Study</td>
<td>3</td>
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<tr>
<td>Bus. Ad. 222—Industrial Purchasing</td>
<td>3</td>
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<tr>
<td>Bus. Ad. 276—Business Statistics</td>
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<tr>
<td>Electives</td>
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SENIOR YEAR

<table>
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<tbody>
<tr>
<td>Bus. Ad. 219—Personnel Administration</td>
<td>3</td>
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<tr>
<td>Bus. Ad. 255—Principles of Insurance</td>
<td>3</td>
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<td>Bus. Ad. 291—Connecticut Industries</td>
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<td>Electives</td>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Psych. 268—Industrial Psychology</td>
<td>3</td>
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<tr>
<td>Bus. Ad. 394—Business Policy</td>
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</tr>
<tr>
<td>Bus. Ad. 224—Compensation Methods</td>
<td>3</td>
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<td>Electives</td>
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</table>
CURRICULUM IN INSURANCE

See freshman and sophomore requirements common to all Business Administration curricula.

**JUNIOR YEAR**

<table>
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<tr>
<th>First Semester</th>
<th>Credits</th>
<th>Second Semester</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Bus. Ad. 265—Business Law</td>
<td>3</td>
<td>Electives</td>
<td>6</td>
</tr>
<tr>
<td>Econ. 211—Economic Theory</td>
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**SENIOR YEAR**

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<th></th>
<th>Credits</th>
<th></th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bus. Ad. 391—Connecticut Industries</td>
<td>3</td>
<td>Electives</td>
<td>6</td>
</tr>
<tr>
<td>Econ. 240—Money and Banking</td>
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CURRICULUM IN MARKETING

See freshman and sophomore requirements common to all Business Administration curricula.

**JUNIOR YEAR**

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</thead>
<tbody>
<tr>
<td>Econ. 211—Economic Theory</td>
<td>3</td>
<td>Bus. Ad. 222—Industrial Purchasing</td>
<td>3</td>
</tr>
<tr>
<td>Bus. Ad. 231—Marketing</td>
<td>3</td>
<td>Bus. Ad. 238—Principles of Retail Merchandising</td>
<td>3</td>
</tr>
<tr>
<td>Bus. Ad. 265—Business Law</td>
<td>3</td>
<td>Electives</td>
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**SENIOR YEAR**

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<tr>
<th></th>
<th>Credits</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>Bus. Ad. 247—Corporation Finance</td>
<td>3</td>
<td>Psych. 268—Industrial Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Bus. Ad. 255—Principles of Insurance</td>
<td>3</td>
<td>Electives</td>
<td>9</td>
</tr>
<tr>
<td>Bus. Ad. 391—Connecticut Industries</td>
<td>3</td>
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<tr>
<td>Econ. 270—Economics of Consumption</td>
<td>3</td>
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</table>

CURRICULUM IN SECRETARIAL STUDIES

See freshman and sophomore requirements common to all Business Administration curricula.

Students interested in doing secretarial work in specialized situations—medical, legal, scientific, etc.,—may plan the selection of courses in line with this objective. It will be possible through the provision for electives to plan a well-balanced program in terms of individual needs and interest.

**Placement Tests.** Placement tests will be given for those who have had previous training in the secretarial field. Those who meet the standards set by the department may be excused from the elementary courses in shorthand and typewriting.
### JUNIOR YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Bus. Ad. 270—Elementary Typewriting</td>
<td>2</td>
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<td>Bus. Ad. 273—Elementary Gregg Short-hand</td>
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<td>Bus. Ad. 255—Principles of Insurance</td>
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<tr>
<td>Bus. Ad. 265—Business Law</td>
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<td>Bus. Ad. 273—Elementary Gregg Short-hand</td>
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<td>Bus. Ad. 276—Business Statistics</td>
<td>3</td>
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<tr>
<td>Bus. Ad. 278—Business Letters, Reports and Forms</td>
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<td>Electives</td>
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### SENIOR YEAR

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<td>Bus. Ad. 217—Industrial Management and Organization</td>
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<td>Bus. Ad. 277—Office and Secretarial Training</td>
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<td>Electives</td>
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The School of Business Administration is cooperating with the School of Education in offering a curriculum in Business Education. Students spend their first two years in the School of Business Administration and their last two years in the School of Education. For the specific junior-senior program students should refer to the announcement of the School of Education.

**Exemption and Substitution.** Students who, for any reason, desire to be excused from any of these requirements, or to substitute other courses for those prescribed, should consult the Dean of the School. Such exemptions or substitutions must be recommended by the Dean of the School and approved by the Dean of the University.

**Bachelor’s Degree Requirements.** Upon recommendation of the Faculty the degree of Bachelor of Science is awarded by vote of the Board of Trustees to students who have met the following requirements: (1) Earned a minimum of 120 academic credits and a minimum or 125 total credits; (2) earned at least 18 times as many quality points as the total number of academic credits for which they have been registered; (3) met all the requirements of the School of Business Administration; (4) passed a comprehensive examination in the field of their major and closely related work.

**Graduate Work in Business Administration.** A limited amount of graduate work in Business Administration is available. Students should refer to the announcement of the Graduate School and to the course offerings under Business Administration in the Directory of Courses.
THE SCHOOL OF EDUCATION

Faculty

Albert Nels Jorgensen, Ph.D., LL.D., President of the University
Charles Burt Gentry, M.S. in Agr., Dean of the University
Paris Roy Brammell, Ph.D., Dean and Professor of Education

Frank Howard Ash, M.A., Associate Professor of Business Education and Secretarial Studies
David James Blick, M.S., Instructor in Chemistry
Ruth Bosworth, M.A., Instructor in Secretarial Studies
Josephine Anna Boublik, B.Ed., Graduate Assistant in Education
Weston Ashmore Bousfield, Ph.D., Associate Professor of Psychology
Augustus Jackson Brundage, Professor of Agricultural Extension, State 4-H Club Leader
William Fitch Cheney, Jr., Ph.D., Professor of Mathematics
Joseph Orlean Christian, B.S., Associate Professor of Physical Education
Edith Browne Corttis, A.B., Assistant Instructor in Education
Fred Couey, Ph.D., Associate Professor of Education
Arsène Croteau, A.M., Professor of Foreign Languages
Russell Myles DeCoursey, Ph.D., Professor of Zoology
Leonard Wilton Ferguson, M.A., Assistant Professor of Psychology
Charles Burt Gentry, M.S. in Agr., Professor of Education
Joseph Raymond Gerberich, Ph.D., Associate Professor of Education
William Theodore Gruhn, Ph.D., Assistant Professor of Education
Valdemar Hagen, M.A., Assistant Professor of Education
William James Haggerty, M.A., Assistant Professor of Education
John Howard Jacobson, Ph.D., Associate Professor of English
Dorothy Marie Keith, A.B., Graduate Assistant in Education
Wilma Belknap Keyes, B.S., Assistant Professor of Art
Wendell Homer Kinsey, A.M., Associate Professor of Physics
Lillis Lucile Knappenberger, A.M., Associate Professor of Home Economics Education
Arthur Lewis Knoblauch, Ed.D., Associate Professor of Education
Dorothy Margaret Leahy, M.A., Assistant Professor of Home Economics Education
Edmund Arthur Moore, Ph.D., Professor of History
Alton Millett Porter, Ph.D., Assistant Professor of Horticulture
Samuel Willard Price, Ph.D., Professor of Education
Josephine Ala Rogers, M.A., Associate Professor of Physical Education
David Emanuel Strom, Instructor in Education
Robert Wright Yingling, A.M., Associate Professor of Music

Consultants

(Without vote)

Karl D. Lee, Superintendent of Schools, Enfield, Connecticut
Arthur L. Young, Superintendent of Rural Education, Essex, Connecticut

Standing Committees

ADMISSIONS: Messrs. Gruhn (chairman), Bousfield, Gerberich, and the Dean of the School and the Dean of the University (members ex officio.)

CURRICULA AND COURSES: Messrs. Couey (chairman), Knoblauch, Porter, and the Dean of the School and the Dean of the University (members ex officio.)

STUDENT STANDING: Miss Leahy (chairman), Messrs. Ash, Yingling, and the Dean of the School and the Dean of the University (members ex officio.)

1 Resigned second semester 1942-43.
2 On leave for war service, military or civil.
GENERAL PURPOSE AND PROGRAM

The School of Education is organized to promote the welfare of education in Connecticut. It cooperates with (a) students preparing to go into teaching or other types of educational work, (b) persons already connected with the profession who wish to improve themselves in service and add to the effectiveness of the educational programs they direct, and (c) community, state and national agencies and groups interested in educational problems. The undergraduate teacher-education work is developed primarily to serve the secondary schools.

Preparation of persons for educational positions includes work in both professional education and other subjects. Programs are available for superintendents, supervisors, principals, guidance directors, counselors, research workers, curriculum directors, extension workers, classroom teachers, and other specialized workers. Preparation for school administrative and supervisory officers and for others in charge of specialized services is more specialized and broader than that for prospective beginning teachers and for the most part is in addition to the basic program. Programs are available for prospective beginning teachers in such fields as agriculture, biological sciences, business subjects, English, foreign languages, history and other social studies, home economics, mathematics, music, physical education, and physical sciences.

Work is available on the undergraduate, fifth-year and Master's degree levels.

STATE CERTIFICATION REQUIREMENTS

The State Board of Education maintains minimum requirements which must be met if persons are to be certified for positions in the public schools of Connecticut. The aim of these requirements is to assure that persons assuming educational responsibility will be competent to discharge it. Requirements vary greatly in terms of the certification desired, but include such items as (a) work in academic fields, (b) work in education, including minimum semester hour credits, observation and practice teaching, and in some instances specific types of courses, (c) experience, (d) health, and (e) moral character and general fitness for teaching. The School of Education, through its selective admissions, counselling and training programs prepares students to meet certification requirements, and is responsible for supplying to the State Board of Education ratings on general “fitness for teaching”.

As a general rule, prospective high school teachers should plan to become certified in more than one teaching field. This applies especially to students preparing to teach non-vocational subjects.

THE PROSPECTIVE TEACHER AND UNIVERSITY ACTIVITIES

Great emphasis is placed in the schools today on promoting the well-rounded development of all pupils—not only scholastically, but physically, socially, emotionally, and ethically as well. Teachers, therefore, must be more than teachers of subject matter; they must also be sympathetic
leaders of youth, able to share in youth’s activities outside the classroom and in the activities of the communities in which they reside. To this end all prospective teachers should become sufficiently proficient in certain selected activities to be able to sponsor and lead them in the schools and communities they serve.

**The Students’ First Two Years in the University**

Students are not formally enrolled in the School of Education during their first two years in the University. However, since the work of the first two years bears directly upon state certification and upon the ability to plan and carry out certain subject patterns, students considering teaching should consult early in their college careers with the Dean of the School of Education.

During the first two years, students who expect to teach agriculture should enroll in the College of Agriculture, those who expect to teach business subjects should enroll in the School of Business Administration, those who expect to teach home economics should enroll in the School of Home Economics, and those who expect to teach other subjects should ordinarily enroll in the College of Arts and Sciences.

Students planning to enter teaching should transfer to the School of Education during the second semester of their sophomore year and should confer with the Dean of the School before choosing electives for their junior and senior years. Transfers from other institutions will ordinarily enter the School early in their junior year.

**General Admission to the School of Education**

For admission to any curriculum of the School of Education, students are required to present at least 56 academic credits earned in the University of Connecticut or equivalent work from other institutions. In addition, criteria for admission include: (a) a cumulative quality point ratio of 20 or above; (b) rank at the 50th percentile or above on the scholastic aptitude test; (c) evidence of satisfactory health in the form of a statement signed by the University Physician; (d) satisfactory vocational interest and aptitude as revealed by tests; and (e) satisfactory teaching personality as judged by six to ten qualified adults.

Whereas the individual criteria listed above are relatively inflexible, the composite rating will determine whether or not the student may be admitted. All conditions for admission should be completed or arranged in the second semester of the sophomore year before the student preregisters for the first semester of his junior year. Students may be admitted during their junior year, but ordinarily no undergraduate student may qualify for admission, with a view to being graduated from the School, after the sixth week of the senior year. Students planning to do fifth-year work in education are formally admitted as fifth-year students, and must qualify not only by the above standards but also by others imposed by the School and the University.

Additional requirements for admission to the different curricula are outlined below.
THE SCHOOL OF EDUCATION

CURRICULA WITHIN THE SCHOOL

The School of Education cooperates with prospective teachers and the heads of their major subject matter departments in selecting courses suited to the needs of teachers in certain subject matter areas.

As a general policy the School of Education encourages prospective teachers to complete a fifth year in the University in order to attain more satisfactory preparation for the duties of the profession. Connecticut School Document, No. 2, 1941-42, entitled "Rules and Regulations Concerning State Teachers Certificates," states on pages 29-30: "The trend in Connecticut is toward a fifth year program for secondary school teachers and those preparing for teaching positions in secondary schools would do well to complete the fifth year, if a position is not now readily available; otherwise, the fifth year in service is feasible." During the war emergency, however, most students will plan to qualify for teaching at the end of their baccalaureate degree programs. Furthermore, the School of Education is eager for students to accelerate their programs so that their services will be available earlier to the schools.

In all curricula in the School, except agriculture and home economics, Supervised Teaching (Education 361) must be taken for credit in addition to the 125 credits required for the baccalaureate degree.

CURRICULUM FOR STUDENTS PREPARING TO TEACH AGRICULTURE

ADMISSION. For admission to the curriculum in agricultural education, students must have completed the first two years in the College of Agriculture or its equivalent, in addition to meeting the qualifications for the admission of all students to the School of Education. They must be farm-bred, or must have had at least three full years of actual farm experience after their twelfth year.

CURRICULUM. Students are advised to include the following among their elective courses during the freshman and sophomore years:

Agr. Egr. 110—Advanced Farm Shop
D. I. 175—Animal Nutrition
Educ. 202—Introduction to Education

Eng. 151—Fundamentals of Speech
Psyc. 131—Introductory Psychology

JUNIOR AND SENIOR YEARS

Required Courses

Agr. Econ. 283—Farm Organization
Agr. Egr. 110—Advanced Farm Shop
Agron. 226—Soils
Educ. 202—Introduction to Education
Educ. 233—Educational Psychology

Educ. 253—Materials and Methods of Teaching, Agriculture
Educ. 263—Directed Observation in Secondary Schools
Educ. 269—Directed Student Teaching, Agriculture

Elective Courses

(a) Students must elect not less than 18 credits on the 200 or 300 level from one or more of the following fields, at least nine of which must be in one field:

Dairy Production
Poultry Production
Fruit Production
Vegetable Production

(b) Students must elect also not less than 12 credits on the 200 or 300 level from two or more of the following fields:

Agricultural economics and farm management
Entomology
Agronomy
Forestry
Animal husbandry
Genetics
Bacteriology
Plant pathology
Among the elective courses to complete the minimum of 125 credits for graduation it is strongly recommended that students include the following:

Agr. Egr. 202—Power and Machinery
Agr. Econ. 221—Agricultural Marketing
Agr. Econ. 223—Agricultural Cooperation
Agr. Econ. 280—Agricultural Economics
Gen. 210—Introduction to Genetics

Students planning to complete the fifth year before going into teaching are advised to take Education 253 and 269 in the fifth year and to elect not less than two courses in education in addition to the required courses listed above.

Curriculum for Students Preparing to Teach Home Economics

Admission. For admission to the curriculum in home economics education students must have completed the first two years of work in the School of Home Economics or its equivalent, in addition to meeting the qualifications for the admission of all students to the School of Education.

Curriculum. Students are advised to include the following among their elective courses during the freshman and sophomore years:

Art. 132—Introduction to Art
Art 142—Costume Design
Clothing 121—General Clothing
Eng. 151—Fundamentals of Speech
Foods 152—Food Selection
Psyc. 131—Introductory Psychology
Soc. 102—Introduction to Anthropology

Junior and Senior Years

Required Courses

Art 245—Home Planning and Furnishing
Educ. 202—Introduction to Education
Educ. 253—Educational Psychology
Educ. 255 and 256—Materials and Methods of Teaching, H. E.
Educ. 263—Directed Observation in Secondary Schools
Educ. 268—Directed Student Teaching, H. E.
Foods 250—Meal Planning and Serving
H. Ad. 273—Home Management
H. Ad. 276—Home Management Practice
H. Ad. 282—Participation in the Nursery School
Nutr. 263—Nutrition
Soc. 250—Sociology of the Family
Text. 210—General Textiles

One course from each of the following groups:

(a) Foods 251—Meal Planning and Serving
Foods 252—Large Quantity Cookery
(b) Cloth. 221—Problems in Clothing
Cloth. 222—Applied Dress Design
(c) H. Ad. 285—Child Development
Psyc. 236—Psychology of Childhood and Adolescence

All students qualifying for the teaching of home economics must complete satisfactorily during their college careers two approved home projects, each one in a different area of subject matter. The home projects required in the School of Home Economics at the end of the sophomore year may be applied toward satisfaction of this requirement.

To facilitate scheduling the supervised teaching, Education 256 and 268, Home Administration 273, 276 and 282 must be taken simultaneously in either the first or second semester of the senior year.

Elective Courses

Courses elected to complete the minimum of 125 credits for graduation.

Students planning to complete the fifth year before going into teaching are advised to take Education 255 the second semester of their fourth year and Education 256, 263 and 268 in their fifth year and to elect not less than two courses in education in addition to the required courses listed above.
THE SCHOOL OF EDUCATION

CURRICULUM FOR STUDENTS PREPARING TO TEACH BUSINESS SUBJECTS

ADMISSION. For admission to the curriculum in business education, students must have completed the first two years of work in the School of Business Administration, or its equivalent, in addition to meeting the qualifications for the admission of all students to the School of Education.

CURRICULUM. Students are advised to include the following among their elective courses during the freshman and sophomore years:

Bus. Ad. 132—Accounting, Continued  
Econ. 200—Economic Geography  
Educ. 202—Introduction to Education  
Eng. 151—Fundamentals of Speech  
Geog. 101—Foundations of Geography

JUNIOR AND SENIOR YEARS

Required Courses

Bus. Ad. 132—Accounting, Continued  
Bus. Ad. 217—Industrial Management and Organization  
Bus. Ad. 255—Principles of Insurance  
Bus. Ad. 265—Business Law  
Bus. Ad. 266—Business Law  
Bus. Ad. 270—Elementary Typewriting*  
Bus. Ad. 271—Advanced Typewriting*  
Bus. Ad. 276—Business Statistics  
Econ. 270—Economics of Consumption  
Educ. 202—Introduction to Education  
Educ. 233—Educational Psychology  
Educ. 214—High School Teaching  
Educ. 224—Principles of Secondary Education  
Math. 232—Mathematics of Finance

Note: Students planning to become certified by the State Board of Education at the end of the senior year must also take Educ. 354—Materials and Methods of Teaching, Pre-Vocational Business Subjects; Educ. 355—Materials and Methods of Teaching, Vocational Business Subjects; and Educ. 361—Supervised Teaching. Although Education 361 may not be counted among the 125 credits required for the baccalaureate degree, it is possible for students to earn extra credits through summer sessions or otherwise so that they may practically complete the requirements for graduation by the end of the seventh semester, in which case they may take Supervised Teaching in the eighth semester.

Elective Courses

Students are advised to include Educ. 242—Educational Tests and Measurements, among their electives. Those who plan to teach several business subjects are advised to elect an additional accounting course. Shorthand, also, is recommended, particularly for women students.

Ordinarily students are expected to complete a minimum of 12 credits, selected from the five areas listed below. Students are advised to concentrate on one of the five areas, selecting at least three courses in it.

(a) Accounting

Bus. Ad. 201—Theory and Interpretation of Accounts  
Bus. Ad. 203—Intermediate Accounting  
Bus. Ad. 205—Cost Accounting  
Bus. Ad. 207—Advanced Accounting  
Bus. Ad. 212—Auditing  
Econ. 245—Public Finance  
Bus. Ad. (—)—Office Appliances (not to be offered until 1944-5)

(b) Machine Clerical

Bus. Ad. (—)—Office Appliances (not to be offered until 1944-5) Adding, Listing and Calculating, Bookkeeping, Billing, Duplicating, Filing, Dictating and Transcribing  
Bus. Ad. 203—Intermediate Accounting

(c) Retailing

Bus. Ad. 234—Advertising  
Bus. Ad. 235—Sales Management  
Bus. Ad. 238—Principles of Retail Merchandising  
Bus. Ad. 391—Connecticut Industries  
Home Economics—Courses in art, costume design, clothing, textiles, food selection  
Psych. 268—Industrial Psychology

* Placement tests will be given for those who have had previous training in the stenographic field. Those who meet the standards set by the department may be excused from the elementary courses in shorthand and typewriting. Those having had previous stenographic training will be given an opportunity during the freshman and sophomore years to maintain their skills; this work will be without credit.
(d) Secretarial

Bus. Ad. 273—Elementary Gregg Shorthand
Bus. Ad. 275—Advanced Gregg Shorthand
Bus. Ad. 277—Office and Secretarial Training

Bus. Ad. 278—Business Letters, Reports, and Forms
Bus. Ad. (—)—Office Appliances (not to be offered until 1944-5)

(e) Social-Business

Bus. Ad. 216—American Industries
Bus. Ad. 391—Connecticut Industries
Econ. 208—Current Economic Problems
Econ. 293—Law and the Citizen

Geog. 210—Regional Geography
Courses from the fields of history, government, sociology

Additional courses should be elected to complete the minimum of 125 credits for graduation.

CURRICULUM FOR STUDENTS PREPARING TO TEACH ENGLISH

ADMISSION. For admission to this curriculum students must have completed the freshman-sophomore program for either the B.A. or the B.S. degree in the College of Arts and Sciences, or its equivalent, in addition to meeting the qualifications for the admission of all students to the School of Education.

CURRICULUM. Students are advised to include the following among their elective courses during the freshman and sophomore years:

Psyc. 131—Introductory Psychology
Eng. 151—Fundamentals of Speech

Educ. 202—Introduction to Education

Related Studies. The student who prepares to teach English is urged to seek a broad and varied training throughout all his University years. He should recognize that because of the vast scope of literary subject matter and the varied problems arising in the teaching of composition and literature, everything he does and thinks will be of importance to him as a teacher. Music and the fine arts, science, philosophy, social studies and history (especially American and English), and foreign languages and literature form for him not merely cultural background, but a practical part of his professional training, and are probably as important as his training in English itself.

English Studies. In his English studies the student should keep before him the following objectives:

1. An understanding and appreciation of literature and the ability to criticize it.

2. A general knowledge of the field of English literature.

3. A special knowledge of three of the following, one of which may be pursued through independent study:

   (a) Shakespeare
   (b) American literature
   (c) Nineteenth-century English literature
   (d) Contemporary literature
4. An understanding of the development and special characteristics of English language.

5. A thorough knowledge of modern English grammar.

6. The ability to write correctly and interestingly.

(Prospective English teachers are advised to complete all the required composition even if excused from the requirement because of proficiency.)

7. The ability to speak correctly and effectively.

8. The ability to read aloud correctly and effectively.

9. The ability to aid others in clarifying the problems and forming correct habits in reading, writing, and speaking.

Much can be done toward the realization of the above objectives through independent reading and effort.

The high-school English teacher is often asked to direct extra-class activities such as dramatics, debate, the school paper or magazine, and literary clubs. Courses in these fields or participation in such activities in the University will therefore be of special value to him in his high-school work.

JUNIOR AND SENIOR YEARS

Required Courses

Educ. 202—Introduction to Education
Educ. 238—Educational Psychology

Educ. 214—High School Teaching
Educ. 224—Principles of Secondary Education

Note: Students planning to become certified by the State Board of Education at the end of the senior year must also take Educ. 359, Materials and Methods of Teaching, English, and Educ. 361, Supervised Teaching. Although Educ. 361 may not be counted among the 125 credits required for the baccalaureate degree, it is possible for students to earn extra credits through summer sessions or otherwise so that they may practically complete the requirements for graduation by the end of the seventh semester, in which case they may take Supervised Teaching in the eighth semester.

Elective Courses

Each student is required to complete a group of courses totaling not less than 42 credits, selected as minimum undergraduate preparation for his teaching objective (teaching one or two fields of content work in secondary school). At least 21 of these credits must be in English. The senior comprehensive examination is given by the English department. The remaining credits necessary to complete the 125 for graduation may be elected from any department of the University.

A limited number of courses in education other than the required courses listed above may be taken by undergraduates.

CURRICULA FOR STUDENTS PREPARING TO TEACH FOREIGN LANGUAGES, MATHEMATICS, NATURAL SCIENCE, SOCIAL STUDIES, PHYSICAL EDUCATION, AND MUSIC

ADMISSION. For unconditional admission to the curriculum leading to the B.A. degree or to the curriculum leading to the B.S. degree, students must complete the appropriate freshman-sophomore program in the
College of Arts and Sciences or equivalent preparation, in addition to meeting the qualifications for the admission of all students to the School of Education.

CURRICULUM. Students are advised to include Psychology 181, Introductory Psychology, English 151, Fundamentals of Speech, and if possible, Education 202, Introduction to Education, in their freshman-sophomore programs.

JUNIOR AND SENIOR YEARS

Required Courses

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<td>Education 233</td>
<td>Educational Psychology</td>
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<tr>
<td>Education 214</td>
<td>High School Teaching</td>
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<tr>
<td>Education 224</td>
<td>Principles of Secondary Education</td>
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Note: Students planning to become certified by the State Board of Education at the end of the senior year must also take a special methods course in their major teaching field and Educ. 361—Supervised Teaching. Although Education 361 may not be counted among the 125 credits required for the baccalaureate degree, it is possible for students to earn extra credits through summer sessions or otherwise so that they may practically complete the requirements for graduation by the end of the seventh semester, in which case they may take Supervised Teaching in the eighth semester.

Elective Courses

Each student is required to complete a group of courses totaling not less than 42 credits, selected as minimum undergraduate preparation for his teaching objective (teaching one or two fields of content work in secondary school). At least 21 of these credits must be in a single department or in two closely related departments. The comprehensive examination is given by the department representing the field of concentration. The remaining credits necessary to complete the 125 for graduation may be elected from any department of the University although students are urged to select courses outside their field of concentration and closely related fields.

A limited number of courses in education other than those required above may be taken by undergraduates.

CURRICULUM FOR FIFTH-YEAR STUDENTS

Admission. Fifth-year students in the School of Education must meet the admission requirements for all undergraduates in the School and have the equivalent of the baccalaureate degree requirements outlined above. Graduates of other schools and colleges who have had essentially the same work as that outlined in one of the curricula above and who met essentially the same standards in required subjects, and quantity and quality of work may be admitted. Ordinarily fifth-year students are expected to present 12 semester credits in education upon admission, the equivalent of Education 202, 233, 214, and 224. Those admitted without the equivalent of these courses must take them before or concurrently with advanced work in education, and preferably before advanced work in their teaching fields. Students whose undergraduate course concentrations have not been well adapted to a teaching objective are required to round out their content fields in connection with the fifth-year program. Students doing supervised teaching in the University of Connecticut must qualify as fifth-year students.
Curriculum. Much can be done to facilitate the fifth-year program if the student anticipates it by the beginning of his junior year in the University. The fifth-year program is built for the individual. The work is directed by the School of Education and course requirements vary depending upon the work that has been elected in the junior and senior years and the subjects which the student expects to teach. An integrated program, carefully chosen and approved, is required of all. For persons without experience the plan for the fifth-year should provide for not less than six weeks of full-time, supervised teaching in a secondary school.

(a) On the professional side, the program ordinarily includes 12 to 18 credits selected from courses such as the following:

- Educ. 242—Educ. Tests and Measurements
- Educ. 245—Statistical Methods in Education and Psychology
- Educ. 274—History of Education
- Educ. 300—Investigation of Special Topics
- Educ. 306—Philosophy of Education
- Educ. 310—Seminar in Education
- Educ. 323—Guidance in the School
- Educ. 324—Techniques in Guidance
- Educ. 325—Principles of Curriculum Construction
- Educ. 333—Advanced Educational Psychology
- Educ. 340—The Evaluation of Educational Research
- Educ. 345—Audio-Visual Aids in Education
- Educ. 350—Materials and Methods of Teaching, Physical Education
- Educ. 351—Materials and Methods of Teaching, Modern Languages
- Educ. 353—Materials and Methods of Teaching, Pre-flight Training
- Educ. 354—Materials and Methods of Teaching, Pre-Vocational Business Subjects
- Educ. 355—Materials and Methods of Teaching, Vocational Business Subjects
- Educ. 357—Materials and Methods of Teaching, Natural Sciences
- Educ. 358—Materials and Methods of Teaching, Social Studies
- Educ. 359—Materials and Methods of Teaching, English
- Educ. 361—Supervised Teaching
- Educ. 382—Public School Administration
- Music 362—Theory and Practice of School Music, Intermediate
- Music 364—Theory and Practice of School Music, Secondary
- Psych. 236—Psychology of Childhood and Adolescence
- Psych. 276—Psychometric Methods

(b) On the content side, the program ordinarily includes 12 to 18 credits in subject fields the student will teach in secondary school, or in related and supporting subjects.

Fifth-year students who meet the appropriate admission requirements may plan their fifth-year teacher education program so that it will also satisfy the course and residence requirements for the Master’s degree.

Bachelor’s Degree Requirements

Upon recommendation of the Faculty, the degree of Bachelor of Arts or Bachelor of Science is awarded by vote of the Board of Trustees to students who have met the following requirements: (1) earned a minimum of 120 academic credits and a minimum of 125 total credits; (2) earned at least 20 times as many quality points as the total number of academic credits for which they have been registered; (3) met all the requirements of the School of Education, including evidence of satisfactory growth in attacking the problems of the profession; (4) passed a comprehensive examination in the field or fields in which they expect to teach; (5) earned at least 12 credits in education courses.

Fifth-Year Certificate Requirements

Students who are registered as fifth-year students in the School of Education and who have completed the following requirements will be awarded the Fifth-Year Certificate: (1) earned a minimum of 150 academic credits; (2) earned at least 23 times as many quality points as the total number of academic credits for which they have been registered; (3) earned a minimum of 24 credits in education including at least 6
credits in observation and supervised teaching, and Education 202, 233, 214, and 224 or their equivalent (experienced teachers may substitute other professional courses for supervised teaching); (4) showed satisfactory results on a current affairs test; (5) showed satisfactory results on subject matter tests in teaching fields; (6) showed satisfactory growth in attacking the problems of the profession.

Professional Program for School Administrators, Supervisors and Other Experienced Workers

The School of Education makes available work for experienced teachers, administrators and supervisors, and other specialized workers in the field of education.

Professional courses such as the following are available to qualified persons:

- Educ. 242—Educ. Tests and Measurements
- Educ. 245—Statistical Methods in Education and Psychology
- Educ. 300—Investigation of Special Topics in Education
- Educ. 306—Philosophy of Education
- Educ. 310—Seminar in Education
- Educ. 323—Guidance in the School
- Educ. 324—Techniques in Guidance
- Educ. 325—Principles of Curriculum Construction
- Educ. 326—Curriculum Laboratory
- Educ. 327—Seminar in Problems of the Junior High School Grades
- Educ. 333—Advanced Educational Psychology
- Educ. 340—The Evaluation of Educational Research
- Educ. 342—Educational Tests and Measurements Laboratory
- Educ. 345—Audio-Visual Aids in Education
- Educ. 382—Public School Administration
- Educ. 383—Organization and Administration of the Elementary School
- Educ. 385—Organization and Administration of the Secondary School
- Educ. 390—Public School Supervision
- Educ. 392—Supervision of Instruction in the Elementary School
- Educ. 394—Supervision of Instruction in the Secondary School
- Educ. 395—Public School Finance
- Educ. 396—Personnel Problems of the Teaching Staff
- Educ. 397—The Legal Basis of a Public School System
- Educ. 398—Institutional Interpretation
- Psych. 270—Psychometric Methods
- Advanced and seminar courses in the teaching of certain high school subjects.

Related courses of special interest and use to administrators and supervisors include the following, along with many others:

- Bus. Ad. 201—Theory and Interpretation of Accounts
- Bus. Ad. 205—Business Law
- Econ. 206—Current Economic Problems
- Econ. 245—Public Finance
- Econ. 260—Elements of Statistics
- Govt. 273—American Government
- Govt. 274—State and Local Government
- Govt. 298—Public Administration
- Govt. 370—Problems in the Government of Connecticut
- Hist. 226—Contemporary World Problems
- Hist. 337—Studies in Recent and Contemporary U. S. History
- Psych. 200—Applied Psychology
- Psych. 239—Psychology of Personality
- Psych. 240—Social Psychology
- Psych. 241—Psychology of Abnormality
- Soc. 215—Contemporary Social Problems
- Soc. 216—Criminology and Penology
- Soc. 255—Population
- Soc. 260—Social Organization
- Soc. 265—Public Opinion
- Soc. 280—The City

The entire course-offering in all departments in the University is open to qualified teachers and other professional workers who wish to parallel professional work with subject matter work.

Master’s Degree Work in Education

Detailed requirements for the Master of Science and Master of Arts degrees will be found in the announcement of the Graduate School. At certain points in this announcement reference is made to special requirements for candidates earning the Master’s degree with a major in education. These should be noted carefully.
School administrators, supervisors and teachers and other experienced workers who qualify for admission to the Graduate School, as well as fifth-year students who qualify as graduate students, may plan programs of work leading to a Master's degree. All students who consider earning a graduate degree in this institution in the field of education should confer at the earliest possible moment with one of the graduate advisers in the Department of Education so that all conditions pertaining to the degree may be thoroughly understood.

**The Bureau of Educational Research and Service**

**J. R. Gerberich, Director**

The Bureau of Educational Research and Service provides testing and research services to educational and research agencies. The Bureau cooperates with schools in discussing testing problems, planning and carrying out testing programs, interpreting the results of tests, and studying ways and means of making adjustments that will improve the effectiveness of educational programs. The extent of the Bureau's service is increased through the availability of an electrical test scoring machine, a complete set of Hollerith punched-card equipment, and other office and statistical machines.

Schools, colleges, state departments, University departments, and individuals can obtain scoring service on any machine-scored standardized test or any teacher-constructed test which can be adapted to machine scoring. The Bureau also provides two regular testing services: (1) The Connecticut Cooperative Testing Program, conducted with the cooperation of the Connecticut Association of Secondary School Principals, the Connecticut Association of Public School Superintendents, and the State Department of Education. Tests of mental ability and achievement and personality inventories, suitable for use with pupils from Grade 4 through Grade 12, are offered twice a year in a regular testing program. (2) The testing for admission of students to the University, "Freshman Week Testing", and miscellaneous testing of other types for the Division of Student Personnel.

The Bureau also provides research and statistical service for educational agencies carrying on research projects for which the test scoring machine or the Hollerith punched-card equipment are adaptable. Research dealing with administrative, supervisory and curricular problems and with pupil personnel, guidance, and many other aspects of the work of the schools, can be handled effectively by use of various combinations of the research equipment available in the Bureau. The Director of the Bureau, and, by a cooperative arrangement, members of the School of Education staff, are available for advising and counseling with schools wishing to make follow-up studies of their testing programs and with persons interested in carrying on research projects.

**The Curriculum Center**

**Fred Couey, Director**

The Curriculum Center is organized to assist schools and other educational agencies in the state that are interested in curriculum improvement.
Two curriculum laboratories are available to school administrators, supervisors, teachers, and other specialized workers who wish to work on curriculum problems. One of these laboratories is located at Storrs, and the other at the University Extension Center in Hartford. Each is equipped for curriculum investigations and contains a library of courses of study, textbooks, and supplementary teaching materials, gathered from school systems throughout the United States and from publishing companies.

The Center engages in such activities as preparing and distributing research studies on curriculum problems, holding conferences, meeting with local school groups at their institutions, and carrying on cooperative work with the State Department of Education. In addition to conferences dealing with local situations, the Center sponsors annually a larger curriculum conference.

The Center makes available to individuals and professional groups consultation and advisory service on such matters as revision of schedules, curriculum problems in various subject fields, problems involving entire school faculties, studies of pupil interests, evaluation of courses of study, development of supplementary materials and activities, administrative reorganization of school units, and analysis of community educational facilities.

**Audio Visual Aids Center**

David E. Strom, *Director*

The Audio Visual Aids Center was established in recognition of the rapid increase in the use of audio visual aids, and as a means of rendering to the state a significant educational service in this field.

The purpose of the Center is to facilitate the use of audio visual aids as techniques for the clear, rapid and comprehensive conveying of information and the improved development of skills and understanding. The Center wishes to assist all interested persons in the wise selection, use and follow-up of audio visual materials.

The services and materials of the Center are available to schools, colleges, state departments, religious organizations, departments in the University, civic groups, parent-teacher associations, local, state and federal government agencies, and commercial institutions that wish to utilize audio visual aids in the development of their programs.

A library of audio visual aids is available on a cost basis at the Center. At present it consists basically of motion pictures, lantern slides, and radio transcriptions. Many other types of aids will be made available in the future.

A consulting and advisory service is also available. This service includes work with individuals and organizations who have problems pertaining to audio visual aids. Talks and demonstrations will be presented upon request. Individuals and groups are welcome to use the Center’s preview and projection facilities and its extensive collection of catalogs and other published materials on sources of audio visual aids and equipment.
THE SCHOOL OF ENGINEERING

Faculty

Albert Nels Jorgensen, Ph.D., LL.D., President of the University
Charles Burt Gentry, M.S. in Agr., Dean of the University
John Harold Lampe, D.Engr., Dean and Professor of Electrical Engineering

Laurence Justin Ackerman, A.M., LL.B., Professor of Insurance
John Oliver Burke, Jr., B.E., Instructor in Electrical Engineering
Howard Wallace Butler, B.S., Instructor in Mechanical Engineering
Francis Lee Castleman, Jr., D.Sc., Professor of Civil Engineering
William Fitch Cheney, Jr., Ph.D., Professor of Mathematics
Charles Henry Coogan, M.S., M.E., Assistant Professor of Mechanical Engineering
Frank Alexander Ferguson, M.A., Professor of Physics
Edward Victor Gant, M.S., Assistant Professor of Civil Engineering
George Richard Grantham, M.S., Instructor in Civil Engineering
Karl Peter Hanson, B.S., Associate Professor of Mechanical Engineering
Thomas Sparling Hargreaves, M.S., Instructor in Mechanical Engineering
Robert Blynn Harris, B.S., Instructor in Engineering
Roland Luther Hummel, B.A.S., Instructor in Civil Engineering
Richard King, M.S., Instructor in Civil Engineering
Earl Russell Moore, B.S., Instructor in Mechanical Engineering
Paul Harry Nelson, B.S. in E.E., A.M., Assistant Professor of Electrical Engineering
Bronis Robert Onuf, B.S.E., Instructor in Mechanical Engineering
Henry James Rockel, Ph.D., Assistant Professor of English
Harold Spencer Schwenk, M.S., Associate Professor of Chemistry
Harry Sohon, Ph.D., Assistant Professor of Electrical Engineering
Erich Richard Stephan, M.S., Assistant Professor of Mechanical Engineering
Cecil Gage Tilton, M.S., M.B.A., Associate Professor of Business Administration
Gregory Stephen Timoshenko, Ph.D., Associate Professor of Electrical Engineering
Arthur Nelson Vanderlip, M.C.E., Associate Professor of Civil Engineering
Edward Reginald Van Driest, Ph.D., Associate Professor of Civil Engineering
Eric Arthur Walker, Sc.D., Associate Professor of Electrical Engineering

Engineering Associates

(Without vote)

Clarence M. Blair, C. M. Blair, Inc.
Russell C. Warner, United Illuminating Company
George E. Hulse, Safety Car Heating and Lighting Company
Murray C. Beebe, Lea Manufacturing Company

Emeritus Professors

John Nelson Fitts, A.B., Professor of Mechanical Engineering, Emeritus
Charles Augustus Wheeler, A.M., Professor of Mathematics, Emeritus

Committee on Curricula and Courses of the School of Engineering. It is the function of this committee to make recommendations to the faculty of the School of Engineering with respect to the general character and number of credit-units of the “200-399” courses offered in the several departments and with respect to the junior-senior curricula requirements of the School. This committee may submit for consideration by the Freshman and Sophomore Curricula and Courses Committee suggestions with respect to the freshman-sophomore curricula and courses of the School of Engineering. Mr. Hanson (chairman), Messrs. Castleman, Rockel, Schwenk, Timoshenko, and the Dean of the School and the Dean of the University (members ex officio).

1 On leave for war service, military or civil.
2 Replacing staff member on leave for war service.
3 Appointed second semester 1942-43.
GENERAL STATEMENT. The curricula offered in the School of Engineering are designed to give sound knowledge of underlying principles in mathematics, physics, and chemistry, to offer training in the principles and practices of engineering, and to present the opportunity to obtain additional instruction and experience in one of the three major engineering fields. Throughout the four-year curricula opportunities are available to study many general cultural topics.

The engineering laboratories have been liberally designed and equipped. Constant attention is given to the content and organization of laboratory courses. Each year funds are available for supplementing the equipment with new and important apparatus so that the student always has instruction involving modern equipment.

The library and the study room in the Engineering Building offer excellent facilities for reference reading, use of technical books and periodicals.

ADMISSION REQUIREMENTS. See the statement under "Admission to the University."

All students seeking admission to the School of Engineering are required to take achievement examinations during Freshman Week to determine their aptitude and ability in engineering. This examination is set by the Dean of Engineering with the assistance of any faculty members he deems necessary. For the present, the examinations cover three fields, mathematics, English, and either chemistry or physics.

Students who make an unsatisfactory mark in these examinations are interviewed by the Dean of Engineering and a representative of the Office of Student Personnel for the purpose of guidance and counsel. During this interview the three persons involved weigh all available information and decide whether the candidate should attempt a career in engineering.

COURSE REQUIREMENTS. The program of study in the freshman and sophomore years is the same for all engineering students. At the end of the sophomore year each student is required to designate his choice of civil, electrical or mechanical engineering. During his last two years he follows the prescribed program of the curriculum he has elected. It is recommended that the student obtain industrial employment during each summer recess in the engineering field which he has elected for specialization. This practical experience will stimulate his interest and supplement greatly the theoretical work of the curriculum.

INSPECTION TRIPS. As part of the regular engineering curricula, inspection trips to industrial plants are scheduled in the junior and senior years. Every student is expected to participate in these inspection visits. The student should anticipate, in his school budget, a small sum of money to provide for the expenditures required by this activity.

EXEMPTION AND SUBSTITUTION. Students who for any reason desire to be excused from any of these requirements, or to substitute other courses for those prescribed, should consult the Dean of the School. Such exemptions or substitutions must be recommended by the Dean of the School and approved by the Dean of the University.
EQUIPMENT. All freshmen are required to provide drawing equipment of specified quantity and size. This equipment consists of drawing instruments, drawing board, T-square, triangles, rules and other accessories. The approved equipment can be obtained at the University Store for approximately $30.

CURRICULA IN ENGINEERING

The program of study in the first two years is the same for all students in the School of Engineering. Below are listed the required courses for these two years.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
<th>Second Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem. 120—General Chemistry</td>
<td>4</td>
<td>Chem. 121—General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Eng. 103, 105 or 107—English Composition</td>
<td>3</td>
<td>Eng. 108 or 109—English Composition</td>
<td>3</td>
</tr>
<tr>
<td>M. E. 113—Engineering Drawing</td>
<td>3</td>
<td>M. E. 114—Engr. Dr. and Des. Geom.</td>
<td>3</td>
</tr>
<tr>
<td>M. S. 110—R. O. T. C.</td>
<td>1.5</td>
<td>M. S. 110—R. O. T. C.</td>
<td>1.5</td>
</tr>
<tr>
<td>P. E. 101—P. E. Activities</td>
<td>1</td>
<td>P. E. 101—P. E. Activities</td>
<td>1</td>
</tr>
<tr>
<td>Inter. 100—Orientation</td>
<td>1</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Zool. 111—Human Anat. and Physiol. or</td>
<td>3</td>
<td></td>
<td></td>
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<tr>
<td>Psy. 131—Introductory Psychology</td>
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SOPHOMORE YEAR

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<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>C. E. 275—Surveying</td>
<td>2</td>
</tr>
</tbody>
</table>

Surveying is given two weeks during the summer and must be taken by all Engineering students at the beginning of the sophomore year.

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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Phys. 110—General Physics for Engineers</td>
<td>4</td>
</tr>
<tr>
<td>Math. 203—Integral Calculus</td>
<td>3</td>
</tr>
<tr>
<td>C. E. 211—Applied Mechanics I</td>
<td>3</td>
</tr>
<tr>
<td>Eng. 106, 112 or 113—Literature</td>
<td>3</td>
</tr>
<tr>
<td>Econ. 111—Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>M. S. 120—R. O. T. C.</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Curriculum in Civil Engineering

See freshman and sophomore requirements common to all Engineering curricula listed above.

JUNIOR YEAR

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>C. E. 277—Route Surveying</td>
<td>4</td>
</tr>
</tbody>
</table>

Route surveying is given four weeks during the summer and must be taken at the beginning of the junior year by all Engineering students majoring in civil engineering.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>E. E. 268—Elec. Egr. Lab. I</td>
<td>1</td>
</tr>
<tr>
<td>M. E. 231—Engr. Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>C. E. 287—Strength of Materials</td>
<td>3</td>
</tr>
<tr>
<td>C. E. 226—Concrete Testing Lab.</td>
<td>1</td>
</tr>
<tr>
<td>C. E. 230—Highway Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
</tbody>
</table>

SENIOR YEAR

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<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>C. E. 231—Design of Steel Structures</td>
<td>4</td>
</tr>
<tr>
<td>C. E. 232—Reinforced Concrete Design</td>
<td>3</td>
</tr>
<tr>
<td>C. E. 231—Water Supply Engineering</td>
<td>4</td>
</tr>
<tr>
<td>C. E. 226—Concrete Testing Lab.</td>
<td>1</td>
</tr>
<tr>
<td>Geol. 103—General Geology, Physical</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
</tr>
</tbody>
</table>

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>M. E. 249—Industrial Engineering</td>
<td>3</td>
</tr>
<tr>
<td>C. E. 233—Indeterminate Structures</td>
<td>3</td>
</tr>
<tr>
<td>C. E. 234—Structural Design</td>
<td>4</td>
</tr>
<tr>
<td>C. E. 282—Sanitary Engineering</td>
<td>4</td>
</tr>
<tr>
<td>C. E. 312—Seminar</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td>4</td>
</tr>
</tbody>
</table>

Note: While it is possible for a student majoring in civil engineering to take a total of 21 credits of electives in his four years, it is necessary for him to elect only a total of 8 in addition to the 135 credits required.
CURRICULUM IN ELECTRICAL ENGINEERING

See freshman and sophomore requirements common to all Engineering curricula listed above.

**JUNIOR YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
<th>Second Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. E. 231—Engr. Thermodynamics</td>
<td>3</td>
<td>M. E. 232—Heat Engines</td>
<td>3</td>
</tr>
<tr>
<td>M. E. 207—M. E. Lab. I</td>
<td>1</td>
<td>M. E. 208—M. E. Lab. II</td>
<td>1</td>
</tr>
<tr>
<td>C. E. 287—Strength of Materials</td>
<td>3</td>
<td>E. E. 230—Electrical Measurements</td>
<td>3</td>
</tr>
<tr>
<td>Math. 208—Calculus Applications</td>
<td>3</td>
<td>E. E. 272—Electrical Measurements Lab.</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>Elective</td>
<td>4</td>
</tr>
</tbody>
</table>

**SENIOR YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
<th>Second Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. E. 240—Electronics</td>
<td>3</td>
<td>E. E. 241—Telecommunication Egr.</td>
<td>3</td>
</tr>
<tr>
<td>E. E. 274—Electronics Lab.</td>
<td>1</td>
<td>E. E. 275—Telecommunication Lab.</td>
<td>1</td>
</tr>
<tr>
<td>E. E. 235—Illumination Engr.</td>
<td>3</td>
<td>E. E. 311—Seminar</td>
<td>1</td>
</tr>
<tr>
<td>E. E. 273—Illumination Engr. Lab.</td>
<td>1</td>
<td>M. E. 249—Industrial Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Engineering Elective</td>
<td>4</td>
<td>Elective</td>
<td>7</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
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</tbody>
</table>

*Note: While it is possible for a student majoring in electrical engineering to take a total of 24 credits of electives in his four years, it is necessary for him to elect only a total of 16 in addition to the 127 required credits.*

CURRICULUM IN MECHANICAL ENGINEERING

See freshman and sophomore requirements common to all Engineering curricula listed above.

**JUNIOR YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
<th>Second Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. E. 231—Engr. Thermodynamics</td>
<td>3</td>
<td>M. E. 232—Heat Engines</td>
<td>3</td>
</tr>
<tr>
<td>M. E. 207—M. E. Lab. I</td>
<td>1</td>
<td>M. E. 208—M. E. Lab. II</td>
<td>1</td>
</tr>
<tr>
<td>C. E. 287—Strength of Materials</td>
<td>3</td>
<td>C. E. 297—Fluid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>Math. 208—Calculus Applications</td>
<td>3</td>
<td>M. E. 249—Mechanisms</td>
<td>3</td>
</tr>
<tr>
<td>M. E. 202—Machine Processes</td>
<td>2</td>
<td>M. E. 204—Fundamentals of Metallurgy</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
</tr>
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**SENIOR YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
<th>Second Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. E. 243—Internal Combustion Engines</td>
<td>3</td>
<td>M. E. 249—Industrial Engineering</td>
<td>3</td>
</tr>
<tr>
<td>M. E. 240—Heat Engineering I</td>
<td>3</td>
<td>M. E. 247—Heat Engineering II</td>
<td>3</td>
</tr>
<tr>
<td>M. E. 245—Heat Generation and Transmission</td>
<td>3</td>
<td>M. E. 210—M. E. Lab. IV</td>
<td>1</td>
</tr>
<tr>
<td>M. E. 209—M. E. Lab. 111</td>
<td>2</td>
<td>M. E. 228—Machine Design</td>
<td>3</td>
</tr>
<tr>
<td>E. E. 270—Elec. Egr. Lab. III</td>
<td>3</td>
<td>M. E. 310—Seminar</td>
<td>1</td>
</tr>
<tr>
<td>M. E. 220—Dynamics of Machines</td>
<td>3</td>
<td>Elective</td>
<td>7</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td></td>
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</tbody>
</table>

*Note: While it is possible for a student majoring in mechanical engineering to take a total of 19 credits of electives in his four years, it is necessary for him to elect only a total of 11 in addition to the 132 required credits.*
Bachelor's Degree Requirements. Upon recommendation of the Faculty the degree of Bachelor of Science in Engineering is awarded by vote of the Board of Trustees to students who have met the following requirements: (1) earned a minimum of 138 academic credits and a minimum of 143 total credits; (2) earned at least 18 times as many quality points as the total number of academic credits for which they have been registered; (3) met all the requirements of the School of Engineering; (4) passed a comprehensive examination.

(Note: Students who have taken C.E. 276 in place of C.E. 275 are required to earn a minimum of 140 academic credits and a minimum of 145 total credits.)

Graduate Work in Engineering. A limited amount of graduate work in engineering is available. Students are referred to the announcement of the Graduate School and to the course offerings under civil, electrical and mechanical engineering in the Directory of Courses.

Extension Courses in Engineering and Technology. The School of Engineering offers credit and non-credit courses through Extension. The courses offered at the present time are mainly in cooperation with industry. These courses are listed under the Extension Division.

The Engineering Experiment Station. The Engineering Experiment Station is administered by the Dean of the School of Engineering and a Committee on Projects. Mr. Lampe, Dean of the School, Mr. Hanson, Associate Professor of Mechanical Engineering, and Mr. Castleman, Professor of Civil Engineering, comprise the Committee on Projects for the current year. Within the limits of funds and facilities available, both pure and applied research may be approved by the committee.
THE GRADUATE SCHOOL

Faculty

Albert Nels Jorgensen, Ph.D., LL.D., President of the University
Charles Burt Gentry, M.S. in Agr., Dean of the University
Nathan Laselle Whetten, Ph.D., Dean of the Graduate School
Paris Roy Brammell, Ph.D., Acting-Dean of the Graduate School

Laurence Justin Ackerman, A.M., LL.B., Professor of Insurance
Lawrence Hardin Amundsen, Ph.D., Associate Professor of Chemistry
Elmer Olin Anderson, M.S., Associate Professor of Dairy Industry
Homero Arjona, Ph.D., Associate Professor of Foreign Languages
James Harwood Barnett, Ph.D., Associate Professor of Sociology
Harwood Seymour Belding, Ph.D., Associate Professor of Zoology
Evalyn Sophia Bergstrand, M.S., Professor of Home Economics
Weston Ashmore Bousfield, Ph.D., Associate Professor of Psychology
Paris Roy Brammell, Ph.D., Professor of Education
Raymond George Bressler, Jr., M.S., Associate Professor of Agricultural Economics
Benjamin Arthur Brown, M.S., Associate Professor of Agronomy
Joseph Brown, Jr., A.M., Assistant Professor of Foreign Languages
Edwin Grant Burrows, Ph.D., Assistant Professor of Sociology
Ralph Judson Bushnell, Ph.D., Assistant Professor of Genetics
William Harrison Carter, Jr., Ph.D., Professor of Economics
Francis Lee Castleman, Jr., D.Sc., Professor of Civil Engineering
William Fitch Cheney, Jr., Ph.D., Professor of Mathematics
Wendell Burnham Cook, Ph.D., Associate Professor of Chemistry
Fred Couey, Ph.D., Associate Professor of Education
Russell Myles DeCoursey, Ph.D., Professor of Zoology
Henry Dorsey, Ph.D., Professor of Agronomy
Charles Burt Gentry, M.S. in Agr., Professor of Education
Joseph Raymond Gerberich, Ph.D., Associate Professor of Education
Carl Peter Hanson, B.S., Associate Professor of Mechanical Engineering
Hollie Heiser, Ph.D., Associate Professor of Psychology (on staff of Norwich State Hospital)
Neil Wetmore Hosley, Ph.D., Associate Professor of Forestry and Wildlife Management
Hugh Wylie Hunter, Ph.D., Assistant Professor of Physics
James Lowell Hypes, Ph.D., Professor of Sociology
Robert Ebenezer Johnson, M.S., Associate Professor of Dairy Industry
Erwin Leopold Jungherr, D.M.V., Professor of Animal Diseases
Arthur Lewis Knoblauch, Ed.D., Associate Professor of Education
Walter Leroy Kulp, Ph.D., Professor of Bacteriology
John Harold Lampe, D.Engr., Professor of Electrical Engineering
Walter Landauer, Ph.D., Professor of Genetics
James Andrew Scarborough McPeek, Ph.D., Associate Professor of English
George Edgar McReynolds, Ph.D., Associate Professor of Government
Edmund Arthur Moore, Ph.D., Professor of History
Howard Douglas Newton, Ph.D., Professor of Chemistry
Edmond Adrian Perregaux, Ph.D., Professor of Agricultural Economics
Alton Millett Porter, Ph.D., Assistant Professor of Vegetable Gardening
Martha Potgieter, Ph.D., Associate Professor of Home Economics
Samuel Willard Price, Ph.D., Professor of Education
Paul Lee Putnam, M.S., Professor of Farm Management
George Brandon Saul, Ph.D., Professor of English
Harold Martin Scott, Ph.D., Professor of Poultry Husbandry
Howard Arnold Seckerson, M.A., Professor of English
Joseph Clement Shaw, Ph.D., Assistant Professor of Dairy Industry
George Safford Torrey, A.M., Professor of Botany
THE GRADUATE SCHOOL

Raymond Harold Wallace, Ph.D., Associate Professor of Botany
Albert Edmund Waugh, M.S., Professor of Economics
Nathan Laselle Whetten, Ph.D., Professor of Rural Sociology
George Cleveland White, M.A., Professor of Dairy Industry
Max Richard White, Ph.D., Assistant Professor of Government

Executive Committee: Messrs. Whetten (chairman), Brammell, Bousfield, Lampe, Newton, Perregaux, G. C. White, and Gentry (member ex officio).

GENERAL STATEMENT

The Graduate School is organized for the purpose of giving students an opportunity to pursue advanced work. Its administrative function is to supervise all graduate work throughout the University, to provide necessary minimum requirements for graduate degrees, and to recommend the conferring of graduate degrees on students who have successfully completed their graduate programs.

The degrees of Master of Science and Master of Arts are awarded, the degree conferred upon any candidate depending upon his baccalaureate work and upon the program pursued in his graduate study.

Graduate work is both more advanced and more specialized than undergraduate study. It provides opportunity for the student to gain mastery of his chosen field and to develop initiative and ability in independent work. In qualifying for a graduate degree, the student is expected to acquire an intimate knowledge of his chosen field and of the methods employed in it, and, in line with the plan of graduate study pursued, to do a creditable piece of independent research or to show competence in the application and use of the research of others in his chosen field.

Graduate work is carried on under an advisory system wherein the student, as part of his admission procedure, chooses an adviser (or at his request one will be appointed by the Dean) from the Graduate School faculty in the field in which he wishes to specialize. This initial adviser may be selected on a temporary basis pending clarification of the student’s objectives, but a permanent arrangement should be made as early as possible.

As soon as the student’s objectives are crystallized, the adviser and the student in consultation select two associate advisers from the University staff, one of whom ordinarily should be from outside the major field of study. The adviser (as chairman) and the two associate advisers constitute the student’s advisory committee and to them he is responsible for his entire graduate program. Emphasis is placed throughout on fitting the program to the individual needs of the student as indicated by his objectives and by his previous training and experience.

Graduate work is offered in the various fields listed below. All members of the Graduate School faculty are available as advisers to

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1 On leave for war service, military or civil.
2 1942-43.
3 On leave 1942-43.
4 On leave first semester 1942-43.
students in their respective fields. For convenience, however, advisers are grouped below according to departments in which degrees may be earned. By securing permission from the Dean, students occasionally may arrange to do graduate work in fields, or with University staff members, not listed.

Agricultural Economics and Farm Management—Messrs. Perregaux, Putnam and Bressler
Agronomy—Messrs. Dorsey and Brown
Animal Diseases—Mr. Jungherr
Bacteriology—Mr. Kulp
Botany—Messrs. Torrey and Wallace
Business Administration—Mr. Ackerman
Chemistry—Messrs. Newton, Cook and Amundsen
Civil Engineering—Mr. Castleman
Dairy Industry—Messrs. White, Anderson, Johnson and Shaw
Economics—Messrs. Waugh and Carter
Education—Messrs. Brammell, Price, Gentry, Gerberich, Couey, and Knoblauch
Electrical Engineering—Mr. Lampe
English—Messrs. Seckerson, Saul, and McPeek
Foreign Languages—Messrs. Arjona (Spanish) and Brown (French)
Forestry and Wildlife Management—Mr. Hosley (Wildlife Management)
History and Government—Messrs. Moore, White and McReynolds
Home Economics—Miss Bergstrand, Miss Potgieter (Nutrition)
Horticulture—Mr. Porter (Vegetables and Small Fruits)
Mathematics—Mr. Cheney
Mechanical Engineering—Mr. Hanson
Physics—Mr. Hunter
Poultry Husbandry—Mr. Scott
Psychology—Messrs. Bousfield and Heiser
Sociology—Messrs. Hypes, Whetten, Barnett, and Burrows
Zoology—Messrs. DeCoursey, Landauer, Belding, and Bushnell

ADMISSION REQUIREMENTS

Admission to the Graduate School in fields included in the departments listed above is open to any qualified student. Qualification is defined in terms of three requirements: First, having a Bachelor’s degree from an accredited college or technical school; second, having a cumulative quality point ratio of 26 or higher in the undergraduate record*; and third, having an average mark of B for the last two years of undergraduate work or at least an average of B in the major field.

Under certain circumstances, a student holding a baccalaureate degree but not qualifying as above may be permitted to register as an unclassified graduate student (see Classified and Unclassified Graduate Students) and take advanced courses with the privilege of applying later for admission to the Graduate School. Ordinarily such a student will be required to complete 12 credits of advanced work with at least a B average in order to be admitted to full graduate standing. But if he cooperates from the outset with a graduate adviser, and if he is admitted to full graduate standing after completing 12 course credits, the advanced courses taken during this probationary period may be counted towards the graduate degree, provided they are in line with his major objectives.

As a prerequisite to graduate study, the student is expected to present the equivalent of an undergraduate major in his chosen field, or to make

* The following quality points per credit are assigned to the marks: A = 40; B = 30; C = 20; D = 10; F = 0.
up this deficiency either by taking courses without graduate credit or by passing an examination.

Students wishing to pursue graduate work in the field of education must present a minimum of 12 credits in education, including Education 202, 214, 224, and 233, or the equivalent.

PROCEDURE FOR ADMISSION. A copy of the official application form should be secured from the Graduate School office, filled out, and submitted with an official transcript of undergraduate record to the Dean of the Graduate School. Before the application is approved, the student must be accepted by an adviser to be chosen by the student from the field in which he wishes to specialize. (At the student’s request, an adviser will be assigned by the Dean.) When the application is approved, the student is entitled to register and he should do so before the end of the first week of the semester.

CLASSIFIED AND UNCLASSIFIED GRADUATE STUDENTS

All students holding baccalaureate degrees are classified into two broad groupings as follows: (A) Graduate Students. This group includes those whose formal applications for admission to the Graduate School have been approved. They are members of the Graduate School and are eligible to become candidates for the Master’s degree. (B) Unclassified Graduate Students. This group includes those students holding baccalaureate degrees who are taking courses but have not been admitted or are not candidates for admission to the Graduate School. These are not members of the Graduate School, though some of them may be admitted later after demonstrating their ability during a probationary period (see Admission Requirements above). There is no assurance that any courses taken by unclassified graduate students will count towards a higher degree, unless the student cooperates from the outset with an adviser.

GENERAL REQUIREMENTS FOR THE DEGREE

Plan A

Plan A, emphasizing specialization and research, is strongly recommended for students planning research careers, and for those intending to pursue further graduate work leading to a doctor’s degree.

A minimum of 18 course credits of a graduate character and an acceptable thesis are required for the Master’s degree under Plan A. This will involve at least one year of full-time study, or its equivalent. Ordinarily not fewer than 12 of the 18 minimum course credits must be earned on the University campus at Storrs. The entire program, including the thesis, must be carried out under the direction of an advisory committee of the University faculty.

Plan B

Plan B is designed primarily for students who desire to do graduate work leading to a comprehensive and thorough understanding of a more
general field, demanding advanced training of a non-research character, and emphasizing the intelligent use of research rather than prosecution of research.

A minimum of 30 course credits, of which at least 24 must be of a graduate character, are required for the Master's degree under Plan B. This will involve at least one year of full-time study, or its equivalent. Ordinarily not fewer than 18 of the course credits must be earned on the University campus at Storrs, and not more than six may be transferred from other acceptable graduate schools. The entire program must be carried out under the direction of an advisory committee of the University faculty.

**Other Requirements**

In addition to the above general statements, the following specific requirements should be kept in mind:

(1) **Candidacy for the Degree.** (For both Plan A and Plan B students.) Admission to the Graduate School does not constitute candidacy for a degree. To become a candidate for the Master's degree, the student must submit a plan of study (on duplicate copies of an official form) to the Dean, for approval of the Executive Committee. This should be done as soon as the student's objectives are clarified and not later than completion of half of the indicated course work for the degree. This plan requires initial approval by the members of the student's advisory committee and must bear their signatures.

Approval of the plan by the Executive Committee makes effective the candidacy for the degree. This plan then becomes a contract between the student and the Graduate School. Any changes must be recommended in advance by the adviser to the Dean for approval of the Executive Committee in the same manner as the original plan.

(2) **Course Work.** (For both Plan A and Plan B students.) Course offerings are listed in the Directory of Courses under the various departmental headings. The courses taken for the Master's degree must be approved as a part of the student's plan of work and passed with an average mark of B or better. The courses elected should be (a) related to the field of study in which the student plans to take his degree, and (b) usually numbered 300 or above, although advanced courses numbered 200 and above may be accepted. In addition to the minimum course credits required for the degree, other courses, with or without graduate credit, may be required of any student, depending on the nature of his particular objectives in relation to his previous preparation.

Students in education pursuing Plan A must complete 24 credits, of which a maximum of six may be earned in residence at other acceptable graduate schools if they contribute definitely to the student's program of work. University extension course credits from other institutions will not be accepted toward the 24 credits.

A program of graduate study has been set up to accommodate part-time students in engineering who are regularly employed in industrial concerns but who wish to work for the Master's degree on a part-time
basis. Such students must satisfy the general requirements of the Graduate School and should consult the Dean of the School of Engineering, who will assist them in selecting an available graduate adviser from the special field in which they wish to work. This program usually consists of 20 course credits and a thesis. For further details concerning this program, the student should refer to the School of Engineering and to the course offerings in the departments of civil, electrical, and mechanical engineering in the University catalog.

(3) Thesis. (For Plan A students.) The relative weight given to course work or to research may vary according to the student's objective. A satisfactory thesis or written study is required, the subject and scope of which must be approved by the student's advisory committee and by the Executive Committee of the Graduate School. It should give evidence of independent investigation on a topic of significance and should form an important part of the student's program. It must be acceptable in literary style and composition. A circular containing minimum specifications as to form and organization is available at the Graduate School office.

After the thesis has been completed and approved by the advisory committee, two copies (the original and one carbon copy), in suitable form for binding, must be deposited with the Dean of the Graduate School at least one week before commencement, together with a receipt from the University Librarian covering payment of a binding fee.

(4) Graduate Conferences. (For Plan A students.) A candidate is expected to attend, without course credit, conferences of graduate students in his own and related fields as suggested by his adviser. At one or more of these conferences he will present and defend his plan of research, and toward the end of his program he will present the results of his study. These conferences afford a test of each candidate's ability to present his problem, to discuss the presentations of others, and to relate his own study to those of other members of his own graduate group.

(5) Final Examination. (For Plan A students.) At the close of the candidate's period of study he must pass a final examination under the jurisdiction of his advisory committee. This examination, which may be oral or written, may center upon his research problem and its relation to his field of study as a whole, or it may have wider scope.

(6) Comprehensive Examination. (For Plan B students.) At the close of the candidate's period of study he must pass a comprehensive examination under the jurisdiction of his advisory committee. This examination, which may be oral, written, or both, is intended to measure the student's mastery of his field, his ability to discern relationships, and his ability to interpret and use research in his field.

(7) Recommendation for Degree. Upon report of the adviser that the student has passed his final or his comprehensive examination, the Executive Committee of the Graduate School reviews the student's record and, on finding it satisfactory, recommends to the Faculty of the Graduate School that the degree be awarded.
FEES

A. FOR GRADUATE STUDENTS. The total fee for Graduate Students (see Classified and Unclassified Graduate Students) covering the entire period up to the granting of the Master's degree is $100, payable on a proportionate basis, except (1) that any fees they shall have paid as unclassified graduate students may be deducted from the total fee of $100 and (2) that all students except graduate assistants and fellows must pay the regular fees if they enroll in Summer Session and University Extension courses. (Fees for graduate work taken in the Summer Session are at the rate of $6.50 per semester hour, and for work taken in University Extension courses $7.50 per semester hour.)

A deposit of $10.00 is required of all students attending regular semester sessions except graduate assistants and fellows. This fee is later refunded less any charges outstanding.

The above fees do not entitle students to reduced rates at the University cafeterias, except by special arrangement with the Business Office. They do entitle graduate students to health service at the University Infirmary.

B. FOR UNCLASSIFIED GRADUATE STUDENTS. All unclassified graduate students (see Classified and Unclassified Graduate Students) pay a fee of $5.00 for each semester credit until such time as they may be admitted to full graduate standing. If, and when, they are admitted through formal application to the Graduate School, their total fee for the Master's degree then automatically becomes the difference between the amount they have paid as unclassified graduate students and $100, except that (1) no refunds shall be paid, (2) the total semester credits allowable under the $100 fee shall not exceed 42, and (3) all students, except graduate assistants and fellows, must pay the regular fee if they enroll in the Summer Session or in University Extension courses.
THE SCHOOL OF HOME ECONOMICS

Faculty

Albert Nels Jorgensen, Ph.D., LL.D., President of the University
Charles Burt Gentry, M.S. in Agr., Dean of the University
Evalyn Sophia Bergstrand, M.S., Dean and Professor of Home Economics

Harwood Seymour Belding, Ph.D., Associate Professor of Zoology
Weston Ashmore Bousfield, Ph.D., Associate Professor of Psychology
Marjorie Beebe Carter, Assistant Instructor in Home Economics
William Harrison Carter, Jr., Ph.D., Professor of Economics
Marion Evans Dakin, B.S., Associate Professor of Nutrition
Frank Alexander Ferguson, M.A., Professor of Physics
Mildred Pearl French, A.M., Professor of Home Economics
Nellie Ataline Gard, A.M., Associate Professor of Home Economics
R. Constance Hastie, B.S., Instructor in Home Economics
James Lowell Hypes, Ph.D., Professor of Sociology
Wilma Belknap Keyes, B.S., Assistant Professor of Home Economics
Lillis Lucile Knappenberg, A.M., Associate Professor of Home Economics Education
Dorothy Margaret Leahy, M.A., Assistant Professor of Home Economics Education
Marie Gustava Lundberg, M.A., Professor of Home Economics
Lisbeth Macdonald, R.N., Assistant Professor of Rural Health
James Andrew Scarborough McPeek, Ph.D., Associate Professor of English
Edith Lillian Mason, B.S., Professor of Home Economics, State Home Demonstration Leader
Howard Douglas Newton, Ph.D., Professor of Chemistry
Martha Potgieter, Ph.D., Associate Professor of Home Economics
Elizabeth Rogge, M.S., Assistant Professor of Home Economics
Gladys Elizabeth Stratton, A.M., Associate Professor of Home Management
Sarah Thames, M.S., Assistant Professor of Home Economics
Katherine Amanda Tingley, M.A., Assistant Professor of Clothing
Elsie Trabue, B.S., Associate Professor of Agricultural Extension, Assistant State 4-H Club Leader
Ella St. Clair Van Dyke, M.A., Assistant Professor of Home Economics

Consultants

(Without vote)

Mary C. Blodgett, M.A., State Supervisor of Homemaking Education
Ethel Mae Carr, Dietitian and Manager of the University Dining Halls

COMMITTEE ON CURRICULA AND COURSES OF THE SCHOOL OF HOME ECONOMICS. It is the function of this committee to make recommendations to the faculty of the School of Home Economics with respect to the general character and number of credit-units of the "200-399" courses offered in the several departments and with respect to the junior-senior curricula requirements of the School. This committee may submit for consideration by the Freshman and Sophomore Curricula and Courses Committee suggestions with respect to the freshman-sophomore curricula and courses of the School of Home Economics. Miss Leahy (chairman), Miss Gard, Miss Mason, Miss Potgieter, Miss Rogge, and the Dean of the School and the Dean of the University (members ex officio).

GENERAL STATEMENT. The curriculum offered in the School of Home Economics has a two-fold purpose: (1) to provide a general col-

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1 On leave for war service, military or civil.
lege education based on the needs of women (2) to provide professional training in homemaking, teaching, child development, institutional management, home service work, nutrition, dietetics, art, textiles and clothing.

The program in the first two years provides for general education with emphasis on home and family life. A student is advised to confer with the Dean of the School of Home Economics not later than the second semester of her sophomore year with regard to her major professional interest. She is then assigned to a major counselor with whom a program of study is worked out for the junior and senior years.

Admission Requirements. See the statement under "Admission to the University."

Requirements for All Students. The following courses or groups of courses are prescribed for all students in the School of Home Economics. Groups A, B and C should be completed by the end of the sophomore year.

A—All of the following:

- Eng. 108 or 109—English Composition
- Food 153—Food Selection and Preparation
- Home Ad. 101—Introduction to Home Economics
- Home Ad. 102—The Child and His Family
- Inter. 100—Orientation
- Nutr. 162—Nutrition in Health
- P. E. 111—P. E. Activities for Freshman Women
- P. E. 112—P. E. Activities for Sophomore Women
- Phys. 100—Elements of Physics
- (if not presented for entrance)
- Psych. 131—Introductory Psychology
- Zool. 111—Human Anatomy and Physiology
- Eng. 105 or 107—English Composition
- or
- Art 132—Introduction to Art
- Art 135—Art Appreciation
- Chem. 101—Elementary Chemistry
- (if not presented for entrance)
- Chem. 120—General Chemistry
- Clothing 120—Clothing Selection
- Econ. 111—Principles of Economics
- Econ. 112—Principles of Economics
- Eng. 103—English Composition
- (if placement test indicates need)
- Eng. 103 or 107—English Composition

B—At least one course from:


C—At least one course from:


The following electives are suggested:

- Art 133 and 142, Clothing 121, Chemistry 240 and a foreign language.

All sophomores in the School of Home Economics are required to complete satisfactorily an approved home project in some phase of home economics under the guidance of a staff member. It is suggested that this project be carried out during the summer between the sophomore and junior years.

Exemption and Substitutions. Students who have had the equivalent of any of the required courses may substitute elective courses upon the recommendation of the Dean of the School of Home Economics and the approval of the Dean of the University.

It will be noted that certain courses listed under electives are prerequisite to certain major courses.
THE SCHOOL OF HOME ECONOMICS

CURRICULUM IN HOME ECONOMICS

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
<th>Second Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem. 101—Elementary Chemistry</td>
<td>3</td>
<td>Art 132 or 135—Introduction to Art or Art Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>(if not presented for entrance)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eng. 103, 105 or 107—English Composition</td>
<td>3</td>
<td>Cloth. 120—Clothing Selection</td>
<td>3</td>
</tr>
<tr>
<td>Inter. 100—Orientation</td>
<td>1</td>
<td>Eng. 105 or 107—English Composition</td>
<td>3</td>
</tr>
<tr>
<td>(if not taken first semester)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nutr. 162—Nutrition in Health</td>
<td>3</td>
<td>Home Ad. 101—Introduction to Home Economics</td>
<td>1</td>
</tr>
<tr>
<td>P. E. 111—P. E. Activities for Freshman Women</td>
<td>1</td>
<td>P. E. 111—P. E. Activities for Freshman Women</td>
<td>1</td>
</tr>
<tr>
<td>Zool. 111—Human Anatomy and Physiology</td>
<td>3</td>
<td>Phys. 100—Elements of Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>Group requirement or elective</td>
<td>0 to 7</td>
<td>(if not presented for entrance)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Group requirement or elective</td>
<td>0 to 10</td>
</tr>
</tbody>
</table>

SOPHOMORE YEAR

| | | Econ. 112—Principles of Economics | 3 |
| | | Eng. 106 or 109—English Composition | 3 |
| | | Foods 123—Food Selection and Prep | 3 |
| | | P. E. 112—P. E. Activities for Sophomore Women | 1 |
| Chem. 120—General Chemistry | 4 | Group requirement or elective | 0 to 5 |
| Econ. 111—Principles of Economics | 3 | | |
| Home Ad. 102—The Child and His Family | 2 | | |
| P. E. 112—P. E. Activities for Sophomore Women | 1 | | |
| Psy. 131—Introductory Psychology | 3 | | |
| Group requirement or elective | 0 to 5 | | |

JUNIOR AND SENIOR YEARS

Major Fields and Statement of Major and Minor Requirements

A major in the School of Home Economics is interpreted as meaning a concentration of courses grouped around the home in its broader interpretation. This group of courses should total at least 21 credits on the 200 level in home economics. Each major will be supplemented by related courses.

A minor is interpreted as meaning a total of 14 credits in courses on the 200 level grouped around one phase of a general field of interest. This minor concentration may be chosen from another phase of home economics work or from subjects in the social and physical sciences closely related to home problems.

Special problem courses and seminars may be elected either or both semesters of the senior year, with the consent of the staff member concerned. These courses count toward the major.

For the curriculum for students preparing to teach home economics, see the announcement of the School of Education.

GENERAL COURSE MAJOR

Required courses:

| Bact. 201—General Microbiology | 3 |
| Chem. 240—Elem. Organic Chemistry | 3 |
| Soc. 250—Sociology of the Family | 3 |

| Soc. 251—Parenthood and Family Membership | 3 |

In addition courses totalling at least 21 credits must be selected from the following list including Art 245, H. Ad. 276 and Nutr. 263, which are required:

| Art 230—Art History | 3 |
| Art 235—History of Costume | 2 |
| Art 244—Advanced Costume Design | 2 |
| Art 245—Home Plan. and Furnishing | 3 |
| Art 247—Home Furnishing | 3 |
| Cloth. 221—Problems in Clothing | 3 |
| Cloth. 224—Applied Dress Design | 3 |
| Foods 250—Meal Plan. and Serving | 3 |
| Foods 251—Meal Plan. and Serving | 3 |

Courses advised:

| Chem. 260—Physiological Chemistry | 4 |
| Econ. 270—Economics of Consumption | 3 |
| Educ. 262—Introduction to Education | 3 |

| Educ. 233—Educational Psychology | 3 |
| Educ. 255 and 256—Materials and Methods of Teaching, Home Economics | 6 |

Elective courses: Other courses to complete 125 credits for graduation.
### FOODS AND NUTRITION MAJOR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
<th>Second Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bact. 201—General Microbiology</td>
<td>3</td>
<td>Chem. 260—Physiological Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Bact. 205—Bacteriological Technic</td>
<td>2</td>
<td>Zool. 231—Human Physiology</td>
<td>3</td>
</tr>
<tr>
<td>Chem. 240—Elem. Organic Chemistry</td>
<td>4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In addition courses totalling at least 21 credits must be selected from the following list including Art 245 and H. Ad. 276, which are required:

| Art 245—Home Plan. and Furnishing (required) | 3       | H. Ad. 278—Instit. Org. and Mgt.  | 3       |
| Art 247—Home Furnishing                     | 3       | H. Ad. 276—Home Mgt. Practice (required) | 3       |
| Foods 250—Meal Plan. and Serving            | 3       | Nutr. 263—Nutrition               | 3       |
| Foods 251—Meal Plan. and Serving            | 3       | Nutr. 266—Advanced Nutrition      | 3       |
| Foods 252—Quantity Cookery                   | 3       | Nutr. 267—Diet in Disease         | 3       |
| H. Ad. 277—Instit. Management                | 3       |                           |         |

Courses advised:

| Chem. 121—General Chemistry                 | 4       | Eng. 253—Public Speaking         | 2       |
| Chem. 233—Quantitative Analysis             | 4       |                           |         |

Elective courses: Other courses to complete 125 credits for graduation.

### TEXTILES AND ART MAJOR

Courses totalling at least 21 credits must be selected from the following list including H. Ad. 276, which is required:

| Art 230—Art History                        | 3       | Cloth. 224—Applied Dress Design  | 3       |
| Art 235—History of Costume                | 2       | H. Ad. 276—Home Mgt. Practice     | 3       |
| Art 244—Advanced Costume Design           | 2       | (required)                        |         |
| Art 245—Home Plan. and Furnishing         | 3       | Text. 210—General Textiles        | 3       |
| Art 246—Advanced Design                   | 3       | Text. 213—Household Textiles      | 2       |
| Art 247—Home Furnishing                   | 3       | Text. 216—Textile Analysis        | 3       |
| Cloth. 221—Problems in Clothing           | 3       | Text. 218—Historic Textiles       | 3       |

Elective courses: Other courses to complete 125 credits for graduation.

### TEACHER PREPARATION MAJOR

See the curriculum under the School of Education.

**Bachelor’s Degree Requirements.** Upon recommendation of the Faculty the degree of Bachelor of Science is awarded by vote of the Board of Trustees to students who have met the following requirements: (1) Earned a minimum of 120 academic credits and a minimum of 125 total credits; (2) earned at least 18 times as many quality points as the total number of academic credits for which they have been registered; (3) met all the requirements of the School of Home Economics; (4) passed a comprehensive examination in the fields of their major and minor work.

**Home Economics Experiment Station.** The Home Economics Experiment Station is organized to engage in research in such fields as nutrition, home administration, and child development. To date only limited funds have been available for this research work. The new building affords increased facilities for research projects.
THE COLLEGE OF INSURANCE  
(located at 39 Woodland Street, Hartford, Conn.)

Faculty

Albert Nels Jorgensen, Ph.D., LL.D., President of the University
Charles Burt Gentry, M.S. in Agr., Dean of the University
Laurence Justin Ackerman, A.M., LL.B., Acting Dean of the College of Insurance

Howard M. Bromage, Ph.B., Instructor in Insurance
Birdsey E. Case, LL.B., Assistant Professor of Law
Joseph A. Dann, Instructor in Insurance
Louis E. Day, B.H., Instructor in Insurance
John Paul Faude, A.B., LL.B., Instructor in Insurance
Reid Hartsig, B.M.E., Instructor in Insurance
William Neal MacKenzie, B.S., Instructor in Insurance
J. S. Fassett Maher, B.S., Instructor in Insurance
L. Ray Ringer, A.B., M.B.A., Instructor in Insurance
William F. Starr, A.B., LL.B., J.S.D., Professor of Law
Douglass Brownell Wright, A.B., LL.B., Instructor in Insurance

GENERAL STATEMENT. The College offers work in the field of insurance. It has two distinct programs.

The first program gives an opportunity to students to earn the degree of Bachelor of Science in Insurance Administration. There are five curricular options, the General Insurance Curriculum, the Life Insurance Curriculum, the Casualty Insurance Curriculum, the Fire and Marine Insurance Curriculum, and, with the cooperation of The Hartford College of Law, the Insurance Law Curriculum. The General Curriculum, and the Life, the Casualty, and the Fire and Marine Curriculum, each requires three years, or six terms of eighteen weeks each. Classes are held four evenings each week, from seven to nine o’clock. The Insurance Law Curriculum requires four years, or eight terms of eighteen weeks each, and demands the full time of the student.

The second program comprises a series of specially designed courses in preparation for professional certificates and awards in the fields of Life, Fire, Marine and Casualty Insurance.

The purpose of the College is to prepare eligible applicants for the profession of insurance whether for private or governmental employment.

ADMISSION REQUIREMENTS AND OTHER INFORMATION. A separate catalog published by the College of Insurance includes the history, entrance requirements, fees, curricula and courses, and requirements for graduation. Address The Registrar, College of Insurance, 39 Woodland Street, Hartford, Connecticut.
THE COLLEGE OF LAW  
(located at 39 Woodland Street, Hartford, Conn.)

Faculty

Albert Nels Jorgensen, Ph.D., LL.D., President of the University  
Charles Burt Gentry, M.S. in Agr., Dean of the University  
Laurence Justin Ackerman, A.M., LL.B., Acting Dean of the College of Law

Saul Berman, LL.B., Instructor in Law  
Wallace Winthrop Brown, A.B., LL.B., Instructor in Law  
Birdsey E. Case, LL.B., Assistant Professor of Law  
Frederick W. Dauch, B.A., LL.B., Instructor in Law  
Reese H. Harris, A.B., LL.B., Instructor in Law  
C. Merritt Lane, LL.B., Instructor in Law  
Maxwell Mills Merritt, M.A., LL.B., Instructor in Law  
Thomas J. Molloy, LL.B., Instructor in Law  
Aaron Nassau, B.A., LL.B., Instructor in Law  
Louis E. Nassau, A.B., LL.B., Instructor in Law  
William F. Starr, A.B., LL.B., J.S.D., Professor of Law  
Albert Baldwin Walker, B.A., LL.B., Instructor in Law

General Statement. Two programs of study leading to the degree of Bachelor of Laws are available: a Day Law curriculum and an Evening Law curriculum. The Day session requires the full time of the student for three years, or six semesters of fifteen weeks each. The work of the Evening session is scheduled over four years, or eight terms of eighteen weeks each. No reduction in time requirement because of combining day and evening instruction will be permitted. The primary purpose of the College is to prepare eligible students for the practice of law. At the same time training is offered to selected young men and women for the various aspects of business, insurance, banking and finance, and other fields in which a legal education is of value.

The College of Law is a member of the Association of American Law Schools and is approved by the American Bar Association and the Connecticut Bar Examining Committee. It has also been accredited by the University of the State of New York.

Admission Requirements and Other Information. A separate catalog published by the College of Law includes the history, entrance requirements, fees, curricula and courses, and requirements for graduation. Address The Registrar, College of Law, 39 Woodland Street, Hartford, Connecticut.
THE SCHOOL OF NURSING

Faculty
Albert Nels Jorgensen, Ph.D., LL.D., President of the University
Charles Burt Gentry, M.S. in Agr., Dean of the University
Carolyn Ladd Widmer (Mrs.), B.A., B.N., R.N., Dean of the School of Nursing

Robert Chester Baldwin, Ph.D., Associate Professor of Philosophy
James Harwood Barnett, Ph.D., Associate Professor of Sociology
Russell Myles DeCourcey, Ph.D., Professor of Zoology
Ralph Lawrence Gilman, M.D., F.A.C.P., University Physician
Walter Leroy Kulp, Ph.D., Professor of Bacteriology
Lisbeth Macdonald, R.N., Assistant Professor of Rural Health
Vincent Nowlis, Ph.D., Instructor in Psychology
Samuel Willard Price, Ph.D., Professor of Education
Elizabeth Rogge, M.S., Assistant Professor of Home Economics
Harold Spencer Schwenk, M.S., Associate Professor of Chemistry

Associate Members
Elizabeth S. Bixler, R.N., M.A., Director of Nursing, Norwich State Hospital
Marion H. Douglas, R.N., B.S., C.P.H., Director, Visiting Nurse Association of Hartford
Effie J. Taylor, R.N., M.A., Dean, Yale University School of Nursing

Consultants
Wilmar M. Allen, M.D., Director, Hartford Hospital
Creighton Barker, M.D., Executive Secretary, The Connecticut State Medical Society
Elizabeth S. Bixler, Director of Nursing, Norwich State Hospital
Marion H. Douglas, Director, Visiting Nurse Association of Hartford
Ralph Lawrence Gilman, M.D., University Physician
Annie W. Goodrich, Dean and Professor of Nursing, Emeritus, Yale University School of Nursing.
Helen M. Roser, Director of Nursing Education, The Institute of Living, Hartford
Hedwig Toele, Assistant Professor of Public Health Nursing, Yale University School of Nursing

Committee on Curricula and Courses of the School of Nursing. It is the function of this committee to make recommendations to the faculty of the School of Nursing with respect to the general character and number of credit-units of the “200-399” courses offered in the several departments and with respect to the junior-senior curricula and clinical experience requirements of the School. This committee may submit for consideration by the Freshman and Sophomore Curricula and Courses Committee suggestions with respect to the freshman-sophomore curricula and courses of the School of Nursing. Dean of School, (chairman), Messrs. DeCourcey, Kulp, Price, Schwenk, and the Dean of the University (member ex officio).

The School of Nursing offers curricula to meet the needs of two groups, (I) young women entering the University as freshmen who wish to combine a general college education with professional education in nursing, (II) registered nurses who wish to complete the requirements for a Bachelor’s degree. Courses are offered for a third group also, (III) registered nurses who wish further professional education in public health nursing but who will not complete the requirements for a degree.
I. Five-Year Program for Undergraduates Leading to a Bachelor's Degree

There is a growing demand for women who have combined a college education with professional training in nursing. The five-year program is planned to meet this need.

Plan of Curriculum. The curriculum covers a period of four and three-quarters calendar years. The first two and one-half years are spent at the University; the two intervening summer sessions of ten weeks are each spent at a hospital affiliated with the University. These twenty weeks of hospital experience form the student's preclinical period in nursing.

Following the two and one-half years of resident work in the University the student completes twenty-eight months of clinical instruction and practice. The tentative plan for this part of the program is as follows: The student will go to a general hospital for experience and instruction in general medicine, surgery, operating room technique, diet kitchen and obstetrics; to the Yale School of Nursing for pediatrics and communicable disease; to the Norwich State Hospital for psychiatric nursing; and to the Visiting Nurse Association of Hartford for public health nursing. Throughout this period the student will have four weeks of vacation each summer.

Upon successful completion of the combined curriculum, she will receive the degree of Bachelor of Science and a diploma in nursing. She will also be eligible to take the examinations for nurses' registration in the State of Connecticut.

The cost of the course includes the regular University fees for the first two and one-half years, plus a moderate fee for tuition and maintenance during each of the first two summers. There is no charge for tuition, maintenance or laundry during the remainder of the student's hospital experience. She must, however, provide for her maintenance and a tuition fee of $25.00 during the affiliation with the Hartford Visiting Nurse Association. In addition to the above expenses, the student must purchase her uniforms and uniform coat. The entire cost of the five-year program is less than that of a regular four-year program in other schools and colleges of the University.

During her first year at the University, each student is required to take one of the pre-nursing and guidance tests officially given in this state. (A fee of $5.00 is charged.) If at this or any subsequent time, a student fails to show aptitude for nursing or to maintain a satisfactory standard of health or general performance, she may be required to withdraw from the School of Nursing.

Admission Requirements. See the statement under "Admission to the University." This program is open to women students only.
## Requirements for Students in the Five-Year Program.

### A. All of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bact. 201—General Microbiology</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Bact. 205—Bacteriological Technic</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Chem. 101—Elementary Chemistry</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Chem. 120—General Chemistry</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Eng. 103—English Composition</td>
<td>1</td>
</tr>
<tr>
<td>(if placement test indicates need)</td>
<td></td>
</tr>
<tr>
<td>Eng. 105 or 107—Composition</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Eng. 108 or 109—Composition</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Foods 153—Food Science and Prep.</td>
<td>1 or 2</td>
</tr>
<tr>
<td>H. Ad. 281—Observation of Child Activity</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Inter. 100—Orientation</td>
<td>1</td>
</tr>
<tr>
<td>Nurn. 110—Professional Adjustments I</td>
<td>2</td>
</tr>
<tr>
<td>Nurn. 111—History of Nursing</td>
<td>2</td>
</tr>
<tr>
<td>Nurn. 120—Intro. to Health Teaching</td>
<td>1</td>
</tr>
<tr>
<td>Nutr. 162—Nutrition in Health</td>
<td>2</td>
</tr>
<tr>
<td>P. E. 111—P. E. Activities</td>
<td>2</td>
</tr>
<tr>
<td>P. E. 112—P. E. Activities</td>
<td>2</td>
</tr>
<tr>
<td>Phys. 100—Elementary Physics</td>
<td>1 or 2</td>
</tr>
<tr>
<td>(if not presented for entrance)</td>
<td></td>
</tr>
<tr>
<td>Psy. 131—Introductory Psychology</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Psy. 236—Child Psychology</td>
<td>1</td>
</tr>
<tr>
<td>Soc. 103—Principles of Sociology</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Zool. 111—Anatomy and Physiology</td>
<td>1 or 2</td>
</tr>
</tbody>
</table>

### B. At least two of the following in fine arts and related fields:

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 132—Introduction to Art</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Art 135—Art Appreciation</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Eng. 106—Introduction to Literature</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Eng. 112—World Literature</td>
<td>1</td>
</tr>
<tr>
<td>Eng. 113—World Literature</td>
<td>2</td>
</tr>
<tr>
<td>Hort. 129—Landscape Art</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Music 191—Music Appreciation</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Music 192—Music Appreciation</td>
<td>2</td>
</tr>
</tbody>
</table>

### C. At least two of the following in social sciences:

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Econ. 101—American Econ. History</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Econ. 111—Principles of Economics</td>
<td>1</td>
</tr>
<tr>
<td>Econ. 112—Principles of Economics</td>
<td>2</td>
</tr>
<tr>
<td>Govt. 131—Introduction to Government</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Govt. 135—Introduction to Government</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Hist. 110—Western Civilization to the Reformation</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Hist. 112—Western Civilization from the Reformation</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Inter. 135—Democracy and the Fundamentals of American Government</td>
<td>1</td>
</tr>
<tr>
<td>Soc. 102—Introduction to Anthropology</td>
<td>1 or 2</td>
</tr>
</tbody>
</table>

### Exemption and Substitution.

Students who, for any reason desire to be excused from any of these requirements, or to substitute other courses for those prescribed, should consult the Dean of the School. Such exemptions or substitutions must be recommended by the Dean of the School and approved by the Dean of the University.

### Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem. 101—Elem. Chemistry</td>
<td>3</td>
<td>Chem. 120—General Chemistry</td>
</tr>
<tr>
<td>(if not presented for entrance)</td>
<td></td>
<td>Nurn. 110—Prof. Adjustments I</td>
</tr>
<tr>
<td>Inter. 100—Orientation</td>
<td>1</td>
<td>Nurn. 111—History of Nursing</td>
</tr>
<tr>
<td>P. E. 111—P. E. Activities</td>
<td>1</td>
<td>Nurn. 120—Intro. to Health Teaching</td>
</tr>
<tr>
<td>Physics 100—Elementary Physics</td>
<td>3</td>
<td>Nutr. 162—Nutrition in Health</td>
</tr>
<tr>
<td>(if not presented for entrance)</td>
<td></td>
<td>P. E. 111—P. E. Activities</td>
</tr>
<tr>
<td>Soc. 103—Introduction to Sociology</td>
<td>3</td>
<td>Psy. 131—Introductory Psychology</td>
</tr>
<tr>
<td>Group B or C requirements</td>
<td>3</td>
<td>Zool. 111—Anatomy and Physiology</td>
</tr>
</tbody>
</table>

(Electives in place of one or both sciences: If two electives are taken, one should be a science and one from Group C or B; if one elective, it should be from Group C or B.)

### Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bact. 201—General Microbiology</td>
<td>3</td>
<td>Eng. 108 or 109—Composition</td>
</tr>
<tr>
<td>Bact. 205—Bacteriological Technic</td>
<td>2</td>
<td>(if not taken first semester)</td>
</tr>
<tr>
<td>Eng. 105, 107 or 108—Composition</td>
<td>3</td>
<td>Foods 153—Food Sel. and Prep.</td>
</tr>
<tr>
<td>P. E. 112—P. E. Activities</td>
<td>1</td>
<td>P. E. 112—P. E. Activities</td>
</tr>
<tr>
<td>Psy. 236—Child Psychology</td>
<td>3</td>
<td>Group B or C requirements and electives</td>
</tr>
<tr>
<td>Group B or C requirements</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>H. Ad. 282—Participation in Nursery School</td>
<td>2</td>
</tr>
<tr>
<td>Nurs. 230—Problems in Community Health and Disease</td>
<td>3</td>
</tr>
<tr>
<td>Zool. 231—Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
</tr>
</tbody>
</table>
SUGGESTED ELECTIVES


Psychology: Psyc. 200—Applied Psychology; Psyc. 235—Experimental Psychology; Psyc. 239—Psychology of Personality; Psyc. 240—Social Psychology; Psyc. 241—Psychology of Abnormality; Psyc. 279—Personality Measurement.


Education: Educ. 202—Introduction to Education; Educ. 233—Educational Psychology; Educ. 274—History of Education.

CLINICAL INSTRUCTION AND EXPERIENCE

During the period of clinical experience, instruction is given in the various branches of clinical medicine and nursing by members of the faculty of the affiliated institutions. The preventive as well as the curative aspects of disease are stressed. Forty-five academic credits are given for the clinical instruction and practice included in the curriculum.

II. PROGRAM LEADING TO A BACHELOR’S DEGREE FOR GRADUATE NURSES

This curriculum is designed for registered nurses who are graduates of approved schools of nursing and who meet the admission requirements of the School of Nursing. Credit will be allowed for an approved nursing course, the amount to be determined by an evaluation of each candidate’s record.

Approximately three years of full-time college work will be required to obtain the Bachelor of Science Degree. The student must meet all requirements for a degree as listed below. If desired, the greater part of the program may be completed in extension. When possible, however, nurses are advised to take at least a summer session or a semester of work on the University campus.

Bachelor of Science with Major in Public Health Nursing

Students matriculating in this program must complete the following general course requirements and, in addition, a Public Health Nursing program.

<table>
<thead>
<tr>
<th>General Curriculum</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem. 101—Elementary Chemistry (if not presented for entrance or covered in basic nursing course)</td>
<td>3</td>
</tr>
<tr>
<td>Educ. 233—Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Eng. 105 or 107—English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Eng. 108 or 109—English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Nurs. 236—Current Trends in Nursing</td>
<td>2</td>
</tr>
<tr>
<td>Nutr. 162—Nutrition in Health</td>
<td>3</td>
</tr>
<tr>
<td>Psyce. 131—Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Soc. 103—Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Electives in Fine Arts (Group B above)</td>
<td>6</td>
</tr>
<tr>
<td>Electives in Social Science (Group C above)</td>
<td>6</td>
</tr>
<tr>
<td>Electives in Science</td>
<td>8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Courses in Public Health Nursing</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nurs. 240—Community Nursing I</td>
<td>2</td>
</tr>
<tr>
<td>Nurs. 241—Community Nursing II</td>
<td>2</td>
</tr>
<tr>
<td>Nutr. 260—Nutrition as a Factor in Public Health</td>
<td>2</td>
</tr>
<tr>
<td>Teaching Methods and Principles in Public Health Nursing</td>
<td>2</td>
</tr>
<tr>
<td>Family Health Counseling and Teaching</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to Case Study</td>
<td>2</td>
</tr>
<tr>
<td>Mental Hygiene</td>
<td>3</td>
</tr>
<tr>
<td>Field Experience, Supervised</td>
<td>6</td>
</tr>
<tr>
<td>Specialties such as School Nursing, Rural Nursing, Industrial Nursing, etc.</td>
<td>6</td>
</tr>
<tr>
<td>Elective in Psychology, Sociology, Child Development or Child Guidance</td>
<td>3</td>
</tr>
</tbody>
</table>
Supervised field experience will be provided through affiliation with the Visiting Nurse Association of Hartford and the Hartford Board of Health. Students must register at least three months in advance for field courses. It is hoped eventually to present the curriculum in Public Health Nursing as a full-time program covering two semesters.

**Bachelor of Science with Other Majors**

It is possible for graduate nurses to obtain a Bachelor's degree without a professional major in nursing provided the student follows a well-integrated major and related program in one or two of the following fields: sociology, psychology, education, bacteriology, chemistry, nutrition, zoology. To secure the degree under this plan it is necessary to complete the courses listed under the "General Curriculum" above and a major and related course program of 30 credits on the 200 or 300-level.

In the future a professional elective program in Nursing Education may be offered, with arrangement similar to that in Public Health Nursing.

**Bachelor's Degree Requirements.** Upon the recommendation of the Faculty the degree of Bachelor of Science is awarded by vote of the Board of Trustees to students who have met the following requirements: (1) Earned a minimum of 120 academic credits and a minimum of 125 total credits; (2) earned at least 18 times as many quality points as the total number of academic credits for which they have been registered; (3) met all the requirements of the School of Nursing, including clinical experience; (4) passed a comprehensive examination which combines nursing with their academic field of major interest.

**III. Shorter Post-Professional Program**

Registered nurses who are graduates of approved schools of nursing and who meet the admission requirements of the School of Nursing may take the block of courses in Public Health Nursing, plus Psychology 131 and Sociology 103, as a post-professional program in this field. It will total 35 credits. (Registered nurses who do not fully meet the requirements may apply for admission to these courses as unclassified students.) As stated above, it is hoped eventually to present this as a full-time program of approximately one academic year.
THE COLLEGE OF PHARMACY
(located at New Haven, Conn.)

Faculty

Albert Nels Jorgensen, Ph.D., LL.D., President of the University
Charles Burt Gentry, M.S. in Agr., Dean of the University
Henry Stoddard Johnson, Ph.D., Dean and Professor of Chemistry

Robert Hugh Alcorn, LL.M., Instructor in Pharmaceutical Jurisprudence and Ethics
Bruno Bacchiocchi, B.S. (Phar.), Assistant Instructor in Pharmacy
Leslie Burns Barrett, Ph.C., Professor of Biology and Pharmacognosy
Courtney Craig Bishop, M.D., Instructor in First Aid
Harry Mayer Eudowe, M.S., Instructor in Biochemistry
Nicholas William Fennay, B.S. (Phar.), Instructor in Pharmacy
Horace James Fuller, B.A., Assistant Professor of Pharmacy
Julius M. Harrison, D.D.S., Instructor in First Aid
John Augustine Hart, M.A., Instructor in English
Frank Hefner, M.A., Instructor in German
Josephine Izzo, B.S., Assistant Instructor in Biological Sciences
Augustus Andrew Maier, B.S. (Phar.), Professor of Chemistry and Pharmacy
Grace Mooney, Ph.D., Instructor in Bacteriology
Chester Andrew Potrepka, B.S. (Phar.), Assistant Instructor in Chemistry and Physics
Thomas R. Robinson, D.C.L., Instructor in Pharmaceutical Jurisprudence and Ethics
Richmond Malley Rudden, M.A., Instructor in English
William J. Strange, M.A., Instructor in Mathematics
Wallace Fletcher White, M.S., Instructor in Biology and Pharmacology
Walter Royalstone Williams, B.S. (Phar.), Instructor in Chemistry

GENERAL STATEMENT. The College offers a minimum four-year curriculum leading to the degree of Bachelor of Science in Pharmacy. The object of this curriculum is to give the best possible training for the profession of pharmacy. Although its primary purpose is to train students for retail pharmacy, many other positions are open to graduates. These include hospital pharmacy, pharmaceutical and chemical laboratory work, positions as detail men and salesmen for pharmaceutical industries, as chain drugstore managers, pharmacy wholesalers, and in the civil service. An increasing number of women are choosing pharmacy as their life’s work. *Pharmacy as a Career*, published by the Office of Education and describing the standards, qualifications and opportunities in pharmacy, and a second pamphlet, *Opportunities in Pharmacy*, will be sent without charge on request made to the dean of the College.

The College has accelerated its program for the duration of the war by offering three terms a year, each the equivalent of one semester, so that students may complete the four-year course in three years. There will be no curtailment of courses, reduction of hours, or lowering of professional standards.

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1 On leave for war service, military or civil.
2 Replacing staff member on leave for war service.
The College is a member of the American Association of Colleges of Pharmacy and is accredited by the American Council on Pharmaceutical Education.

**Admission Requirements and Other Information.** A separate catalog issued by the College of Pharmacy covers admission requirements, fees, curricula and courses, requirements for graduation, student and alumni activities, and also general information about the college plant and equipment. This catalog will be sent on request made to the Dean of the College, 150 York Street, New Haven.
RATCLIFFE HICKS SCHOOL OF AGRICULTURE

Officers of Administration

Albert Nels Jorgensen, Ph.D., LL.D., President
Charles Burt Gentry, M.S. in Agr., Dean of the University
Edwin Garver Woodward, A.M., Dean and Director of the College of Agriculture
Wilfred B. Young, M.S., Director of the Ratcliffe Hicks School of Agriculture

Faculty

Elmer Olin Anderson, M.S., Associate Professor of Dairy Industry
Thomas Burt Avery, M.S., Assistant Professor of Poultry Husbandry
Ruth J. Bradley, M.A., Instructor in English
Linton Brown Crandall, B.S., Professor of Agricultural Engineering
Henry Dorsey, Ph.D., Professor of Agronomy
Leonard Reynolds Dowd, M.S.A., Assistant Professor of Dairy Industry
Donald Clifton Gaylord, B.S., Instructor in Animal Husbandry
Gottfried C. Graf, M.S., Instructor in Dairy Industry
Denzel June Hankinson, Ph.D., Instructor in Dairy Industry
Sherman Preston Hollister, B.S.A., Professor of Horticulture
Neil Wetmore Hosley, Ph.D., Associate Professor of Forestry and Wildlife Management
Robert Ebenezer Johnson, M.S., Associate Professor of Dairy Husbandry
Erwin Leopold Jungherr, D.M.V., Professor of Animal Diseases
Malcolm Henderson Kerr, M.S., Assistant Professor of Animal Husbandry
Bernhard Olaf Johan Linnevold, M.S., Instructor in Government
John Henry Lunn, B.S., Assistant Instructor in Poultry Husbandry
Albert Ernest Moss, M.F., Professor of Forestry
Martin Luther Odland, Ph.D., Assistant Professor of Vegetable Gardening
Roland Harrison Patch, M.S., Associate Professor of Floriculture
Edmond Adrian Perregaux, Ph.D., Professor of Agricultural Economics
Harold Oliver Perkins, M.L.A., Assistant Professor of Landscape Gardening
Alton Millet Porter, Ph.D., Assistant Professor of Vegetable Gardening
Paul Lee Putnam, M.S., Professor of Farm Management
Harold Martin Scott, Ph.D., Professor of Poultry Husbandry
Walter Stemmons, B.S., Editor

GENERAL STATEMENT. The General Assembly of 1941 passed an act authorizing the trustees of the University of Connecticut to establish a two-year school of agriculture and to accept provisions of the will of Ratcliffe Hicks of Tolland, Connecticut, by which a considerable sum of money was made available for an agricultural school in Tolland County.

This school is known as the Ratcliffe Hicks School of Agriculture and was established on the campus of the University of Connecticut, July, 1941, under the direction of the Board of Trustees, subject to terms of the will left by Mr. Hicks. Eventually the school will have its own dormitories and classroom buildings but for the present uses existing university facilities.

The two-year program in practical agriculture is offered for students who are interested in furthering their education along vocational lines. The courses are designed for training those who are interested in farming as a vocation or other business closely allied to farming. It is also plan-

1 Retired second semester 1942-43.
ned to fit and train students for definite and specialized fields of work such as poultrymen, dairy herdsmen, livestock herdsmen, dairy testers, dairy manufacturers, fruit growers, gardeners, nurserymen, farm superintendents, etc.

In addition to the vocational courses offered in the curriculum, a few general courses are included to satisfy cultural and social needs and to impress upon the student the opportunities for greater leadership and better citizenship.

**Admission Requirements and Procedure.** Applicants for admission must fulfill the following requirements:

1. Be a graduate of a senior high school.

2. Have had some agricultural experience such as 4-H club work, vocational agriculture, agricultural industry, or on a farm. No entrance examinations are required. Exceptions to the above requirements may be made subject to approval of the Director and the Dean.

For admission procedure, see the statement under “Admission to the University.”

**Curricula in Ratcliffe Hicks School of Agriculture**

The program of study in the first year is the same for all two-year students except those majoring in dairy manufacturing. Below are listed the requirements for this first year. For description of courses see the Directory of Ratcliffe Hicks School of Agriculture Courses.

<table>
<thead>
<tr>
<th><strong>FIRST YEAR</strong></th>
<th><strong>Second Semester</strong></th>
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<tbody>
<tr>
<td><strong>First Semester</strong></td>
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<tr>
<td>Credits</td>
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<tr>
<td>Agr. Egr. 3—Farm Shop</td>
<td>Agr. Econ. 21—Agricultural Marketing and Cooperation</td>
</tr>
<tr>
<td>D. I. 11—Milk Products Analysis</td>
<td>Agr. Egr. 2—Farm Power and Machinery</td>
</tr>
<tr>
<td>D. I. 12—Dairy Farming</td>
<td>Agron. 22—Soils and Fertilizers</td>
</tr>
<tr>
<td>Eng. 10—Business English</td>
<td>An. Hua. 8—Livestock Management</td>
</tr>
<tr>
<td>Hort. 2—Vegetable and Fruit Production</td>
<td>Eng. 53—Public Speaking</td>
</tr>
<tr>
<td>P. H. 25—Poultry Production</td>
<td>Hort. 61—Landscaping Home Grounds</td>
</tr>
<tr>
<td>P. E. 101—P. E. Activities for Men</td>
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<td>Govt. 10—Citizenship</td>
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**Curriculum in General Farming**

See first year requirements common to all two-year curricula.

<table>
<thead>
<tr>
<th><strong>SECOND YEAR</strong></th>
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<tbody>
<tr>
<td><strong>First Semester</strong></td>
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<tr>
<td>Credits</td>
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<tr>
<td>Agr. Econ. 83—Farm Management</td>
</tr>
<tr>
<td>A. D. 24—Non-Infectious Diseases</td>
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<tr>
<td>A. H. 24—Farm Meats</td>
</tr>
<tr>
<td>A. N. 75—Feeding Farm Animals</td>
</tr>
<tr>
<td>Hort. 41—Fruit Culture</td>
</tr>
<tr>
<td>P. H. 50—Poultry Feeding</td>
</tr>
<tr>
<td>Elective</td>
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## Curriculum in Horticulture

See first year requirements common to all two-year curricula.

### Second Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Agr. Econ. 83—Farm Management</td>
<td>3</td>
</tr>
<tr>
<td>Hort. 17—Vegetable Market Gardening</td>
<td>4</td>
</tr>
<tr>
<td>Hort. 41—Fruit Culture</td>
<td>4</td>
</tr>
<tr>
<td>Hort. 51—Principles of Greenhouse Management</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>Not to exceed 8 credits</td>
</tr>
</tbody>
</table>

*Second Semester Credits*

| Agr. Econ. 83—Agricultural Planning | 2 |
| Agr. Egr. 21—Farm Structures | 3 |
| Agron. 22—Soils and Fertilizers | 3 |
| Hort. 18—Vegetable Truck Farming | 4 |
| Hort. 42—Orchard Management and Fruit Growing | 4 |
| Hort. 53—Commercial Floriculture | 4 |
| Elective | Not to exceed 4 credits |

## Curriculum in Livestock Production

See first year requirements common to all two-year curricula.

### Second Year

<table>
<thead>
<tr>
<th>First Semester</th>
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<tbody>
<tr>
<td>Agr. Econ. 83—Farm Management</td>
<td>3</td>
</tr>
<tr>
<td>A. D. 24—Non-Infectious Diseases</td>
<td>2</td>
</tr>
<tr>
<td>A. H. 24—Farm Meats</td>
<td>2</td>
</tr>
<tr>
<td>A. H. 3—Market Classes and Breeds of Livestock</td>
<td>4</td>
</tr>
<tr>
<td>A. N. 75—Feeding Farm Animals</td>
<td>3</td>
</tr>
<tr>
<td>D. I. 82—Dairy Herd Management I</td>
<td>4</td>
</tr>
<tr>
<td>D. I. 84—Dairy Herd Practices I</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>Not to exceed 4 credits</td>
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</tbody>
</table>

*Second Semester Credits*

| Agr. Econ. 88—Agricultural Planning | 2 |
| Agron. 22—Soils and Fertilizers | 3 |
| Agron. 27—Pasture Improvement | 2 |
| A. D. 25—Infectious Diseases | 2 |
| A. G. 10—Animal Breeding | 3 |
| A. H. 9—Livestock Practices | 4 |
| D. I. 83—Dairy Herd Management II | 3 |
| D. I. 85—Dairy Herd Practices II | 4 |

## Curriculum in Poultry Production

See first year requirements common to all two-year curricula.

### Second Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Agr. Econ. 83—Farm Management</td>
<td>3</td>
</tr>
<tr>
<td>A. D. 24—Non-Infectious Diseases</td>
<td>2</td>
</tr>
<tr>
<td>A. H. 24—Farm Meats</td>
<td>2</td>
</tr>
<tr>
<td>A. N. 75—Feeding Farm Animals</td>
<td>3</td>
</tr>
<tr>
<td>P. H. 22—Poultry Breeds and Judging</td>
<td>3</td>
</tr>
<tr>
<td>P. H. 23—Marketing Eggs and Poultry</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>Not to exceed 4 credits</td>
</tr>
</tbody>
</table>

*Second Semester Credits*

| Agr. Econ. 88—Agricultural Planning | 2 |
| Agr. Egr. 21—Farm Structures | 2 |
| A. D. 25—Infectious Diseases | 2 |
| A. G. 10—Animal Breeding | 3 |
| D. I. 83—Dairy Herd Management | 4 |
| P. H. 16—Management of Poultry | 4 |
| P. H. 27—Turkey Management | 3 |
| P. H. 60—Practicum | 3 |

## Curriculum in Dairy Manufacturing

Dairy Manufacturing majors may complete this work in one year and are advised to take the following program of study:

### First Semester

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>Agr. Egr. 3—Farm Shop</td>
</tr>
<tr>
<td>D. I. 11—Milk Products Analysis</td>
</tr>
<tr>
<td>D. I. 12—Dairy Farming</td>
</tr>
<tr>
<td>D. I. 21—Dairy Technology</td>
</tr>
<tr>
<td>D. I. 25—Ice Cream Making</td>
</tr>
<tr>
<td>Eng. 10—Business English</td>
</tr>
<tr>
<td>Govt. 10—Citizenship</td>
</tr>
<tr>
<td>P. E. 101—P. E. Activities for Men</td>
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</table>

### Second Semester

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>Agr. Econ. 21—Agricultural Marketing and Cooperation</td>
</tr>
<tr>
<td>Agr. Egr. 25—Dairy Mechanics</td>
</tr>
<tr>
<td>D. I. 22—Advanced Testing</td>
</tr>
<tr>
<td>D. I. 23—Dairy By-Products</td>
</tr>
<tr>
<td>D. I. 35—Dairy Plant Operation</td>
</tr>
<tr>
<td>D. I. 64—Market Milk</td>
</tr>
<tr>
<td>Eng. 53—Public Speaking</td>
</tr>
<tr>
<td>Govt. 10—Citizenship</td>
</tr>
<tr>
<td>P. E. 101—P. E. Activities for Men</td>
</tr>
</tbody>
</table>
UNIVERSITY FEES AND EXPENSES. The University fee for the School of Agriculture is $75 a year, one-half payable at the beginning of each semester. This fee entitles the student to the use of the educational facilities of the University, to service at University cafeterias, to participation in athletic activities and admission to all home games, and, in case of illness, to admission to the Infirmary for one week a year without additional charge except for meals or special nurse.

Other fees and expenses are the same as those listed for other students of the University. See the statement under "Fees and Expenses".

LIMITED ENROLLMENT FOR 1943-44. Due to limited housing and classroom facilities, only twenty-five students can be admitted to the School of Agriculture in 1943. Construction of a new men's dormitory was authorized by the last General Assembly and a classroom building was also authorized to be built from the funds made available under the will of Ratcliffe Hicks of Tolland, Connecticut. Because of the war emergency, it is necessary to delay this construction for a time.

HOUSING REGULATIONS. Students will be assigned rooms in a dormitory or house. Two-year students are eligible to belong to fraternities but are not eligible to live in fraternity houses.

RELATION TO FOUR-YEAR PROGRAM. A student who wishes to transfer from the two-year School of Agriculture to the four-year College of Agriculture may be allowed to do so providing he meets the requirements of the College of Agriculture. Some transfer of credits may be arranged according to the courses taken and the scholarship record of the student. All transfers are subject to approval of the University authorities.

PLACEMENT TRAINING. In addition to course work, the student must present for graduation a specified amount of practical training in the field of his major interest. At the completion of the first school year, each student will be expected to fulfill this placement training requirement during the period, June 1 to September 1. These positions will usually be obtained through and by the Director's office. Students who desire to fulfill their placement training at home, or who wish to make their own contacts for their training period, may do so if approval by the Director is obtained in advance.

GRADES. The same method of grading is used in the School of Agriculture as in all other schools and colleges of the University.

HONOR LIST. The names of students whose semester's work has been uniformly high will be published at the end of each semester in the honor list.

SUSPENSION. Suspension is temporary separation from the institution and may be incurred by unwarranted conduct or failure to meet scholastic requirements.
DISMISSAL. Any student may be dismissed from the institution for unwarranted conduct or failure to meet scholastic requirements. Disciplinary matters will be handled by the Director and the Division of Student Personnel.

CERTIFICATE ON COMPLETION OF COURSE. To qualify for a certificate a student must have fulfilled satisfactorily all the work required in his two-year program, including summer placement training. Dairy manufacturing students may fulfill their requirements in one year and be eligible for certificates. The awards of such certificates will be made at the regular University Commencement.

EXTRA CURRICULAR ORGANIZATIONS AND ACTIVITIES. Students in the School of Agriculture are eligible to participate in all organizations and activities providing they meet the qualifications established therefor.
DIRECTORY OF COURSES

Brackets indicate courses not offered in 1943-44.

Courses marked "summer" will be offered in the summer of 1943 unless otherwise indicated.

Students are referred to the condensed curricula of the several colleges for information concerning the semester and year in which required courses should be taken. Courses numbered 100 are primarily for freshmen and sophomores, courses numbered 200 for juniors and seniors, and courses numbered 300 for advanced and graduate students. Sophomores who are eligible for elective work may elect either 100-courses or courses numbered 200 which are designated as open to sophomores. Sophomores who desire to elect 200-courses not designated as open to sophomores must obtain the consent of the instructor and of the dean of the college in which the student is registered.

All prerequisites to courses as listed in the catalog must be met prior to registration in those courses. If, however, a student considers that he has the equivalent of a prerequisite listed for a course, he may present evidence to the instructor concerned, and may register for the course if the written consent of the instructor is obtained, such written consent to be filed by the instructor in the Registrar's Office.

The daily schedule of courses is indicated in terms of class periods, not clock hours, unless otherwise specified. The schedule for 100-courses will be available in mimeographed form about one month before the opening of each semester.

INTERDEPARTMENTAL

100. **Orientation.** First semester. One non-academic credit. Not more than 18 class periods for the semester. Required of all students entering the University with less than two semesters of previous college work.

**Members of the Student Personnel Division and Others.**

This course is a continuation of the orientation program begun during freshman week and is designed to acquaint the student with the important aspects of university life. One of its purposes is to help students to become oriented with respect to their educational and vocational objectives. An attempt will be made to help each individual student understand the various problems he will be confronted with in the University and to help him develop his initiative in discovering ways and means for meeting these problems, the ultimate aim being to aid students in assuming the responsibility for their own self-direction.

110. **Animal Industries.** First semester. Three credits. Two class periods and one 2-hour demonstration and discussion period.

**Departments of Animal Husbandry, Dairy Industry, Poultry Husbandry.**

A course designed to teach the common body of elementary and fundamental knowledge which is the basis of animal husbandry, poultry husbandry and dairy industry, and to prepare the student for more advanced courses in animal production in any of these fields.

(This course was formerly Animal Industries 100.)

111. **Plant Industries.** Second semester. Three credits. Two class periods and one 2-hour demonstration and discussion period.

**Departments of Agronomy, Forestry, Horticulture.**
A course designed to teach the common body of elementary and fundamental knowledge which is the basis of agronomy, forestry and horticulture, and to prepare the student for more advanced courses in plant production in any of these fields.

(This course was formerly Plant Industries 101.)

135. **Democracy and the Fundamentals of American Government.** First semester. Three credits. Three class hours. **Social Science Departments.**

The growth of democracy in the world, with particular reference to the United States, emphasizing not only political and governmental democracy but democracy in ideas, in the home and other social relations, in economic opportunity, in education, in arts and humanities, and in science. The fundamentals of American national, state, and local government. The controversial issues within American democracy—economic, social, and political. The nature and meaning of the new despotisms. The duties of American citizens.

303. **Interdepartmental Seminar on Latin America.** First semester. Three credits. Three class periods. Open only with consent of instructor. Hours by arrangement.

Mr. Arjona, Mr. Carter, Mr. McReynolds, Mr. Whetten.

A study of contemporary Latin American problems and civilization, approached through sociology, economics, international relations and general cultural analysis. Introductory lectures will be devoted to necessary background materials. Reports will be required under the supervision of the instructor in the specific department concerned.

310. **Interdepartmental Seminar on Post-War Problems.** Second semester. Three credits. Open only with consent of instructor. Hours by arrangement.

Mr. Carter, Mr. Schenker, Mr. Kelly.

The course is intended to analyze the basic factors which must be considered in solving post-war problems. The specific topics will each be handled by specialists in the particular fields. The first half of the course will be devoted to a consideration of the basic factors: the resource pattern and physical factors, technology, cultural and social factors and psychological factors. The second half of the course will be devoted to a discussion of specific problems of reconstruction, of the peace conference, of long-term international cooperation, and internal problems.

**AGRICULTURAL ECONOMICS AND FARM MANAGEMENT**

Professors E. A. Perrecaux, P. L. Putnam; Associate Professor R. G. Bressler, Jr.; Assistant Professors R. J. Morthland*, L. J. Atkinson*, Mr. ———

The courses offered by the Department of Agricultural Economics and Farm Management have been organized to meet a variety of student needs. Those who desire only a general knowledge of the economic problems of agriculture and of the principles applicable to them are advised to take the Social and Economic History of Agriculture (180), Agricultural Economics (280) or Agricultural Policy (288). To other students who desire a limited number of somewhat specialized courses the department offers Farm Organization (283), Agricultural Marketing (221), Agricultural Cooperation (223), Agricultural Finance (284) and Land Economics (285).

Students who major in agricultural economics are usually looking forward to careers in farming, agricultural business, extension work, public service, or professional agricultural economics. Adequate preparation requires careful selection by each student of the particular combination of courses adapted to his needs and to the fundamental requirements of his objective. Early consultation with departmental advisers is recommended and invited.

All students contemplating major work in this field should if possible take Business Administration 131, Economics 111-112, 260, and Agricultural Economics 180 in their first two years of college work. Students registered in Agriculture, Arts and Sciences, or Business Administration may major in agricultural economics. Students who meet the requirements of the Graduate School may secure a Master’s degree in agricultural economics.

* On leave for war service.

Mr. Morthland.

A history of agriculture in the United States, including discussions of the origin and development of family-sized farms, evolution from subsistence to commercial farming, the history of large-scale commercial farming such as the southern plantation and the specialized western wheat farms and cattle ranches, agrarian organizations and movements. Consideration will be given to the effects of changes in the farm labor supply, of technical improvements in agriculture and of changes in foreign trade in agricultural products. Governmental policies, especially those dealing with land settlement and the tariff, will be discussed and evaluated.

221. **Agricultural Marketing.** Second semester. Three credits. Three class periods. This course and Business Administration 231 may not both be taken for credit. Prerequisite: Economics 112. Open to sophomores. MWF1.

Mr. Perregaux.

This course reviews the theories of exchange and production underlying market analysis. It traces the movement of agricultural products, indicates the points at which and agencies between which exchanges are effected, analyzes the efficiency with which this movement is accomplished. It appraises the relative strength of the economic forces which determine the prices and costs involved in this process.

223. **Agricultural Cooperation.** First semester. Three credits. Three class periods. Prerequisite: Economics 112. MWF2.

Mr. Perregaux.

This course traces the development and present status of cooperative activities in the United States and in foreign countries. It includes an evaluation of this type of organization in production, marketing and consumption. The fundamental economic and legal considerations governing the formation, financing and operation of cooperatives are analyzed. It acquaints the student with the problems arising in the formation of such associations and appraises the efficiency of their operation. Three one-half day field trips are required.

280. **Agricultural Economics.** First semester. Three credits. Three class periods. Prerequisite: Economics 112. Agricultural Economics 180 recommended. TThS2.

Mr. Atkinson.

A study of agriculture as an integral part of the economic system; the nature and institutional structure of the agricultural industry, the problems growing out of the economic characteristics of farming and agriculture, and the concepts, principles and research results applicable to these problems.

282. **Agricultural Prices.** Second semester. Three credits. Three class periods. Prerequisite: Agricultural Economics 280. Alternate years; to be given in 1943-44.

Mr.———.

A study of the history of price movements as they have affected agriculture, and an investigation of the major causes of price changes. Attention will be directed to changes in the price of goods which farmers buy as well as to changes in the prices of the products of the farm.

283. **Farm Organization.** First semester. Three credits. Three class periods. Prerequisite: Economics 112. Open to sophomores. TThS4.

Mr. Putnam.

Principles and problems of farm management with particular reference to their application to individual problems of farm organization and operation.

284. **Agricultural Finance.** First semester. Three credits. Three class periods. Prerequisite: Economics 112. Alternate years; to be given in 1944-45. TThS3.

Mr.———.

This course deals with the credit requirements of the agricultural industry for production and marketing. It deals specifically with the amounts and types of credit required for various kinds of agricultural production and trade, the organization and operation of the agencies supplying this credit and their relation to other lending agencies, and the effects of changes in their credit and monetary policies upon agricultural prices, incomes, and farm organization. Special attention will be devoted to the Farm Credit Administration.]
285. Land Economics. Second semester. Three credits. Three class periods. Prerequisite: Economics 112 and Agricultural Economics 280. Alternate years; to be given in 1943-44. TThS2. Mr. ————.

The economic and institutional forces determining major land uses. In their applications to the problems of agricultural, forestry and recreational land use, the course deals specifically with the characteristics of land as a factor of production, locational theory; the principles of regional specialization; the spatial aspects of pricing; the theory of rent and land valuation; the economics of conservation; and the effects of mechanization. Empirical studies of the problems associated with dominant and emerging patterns of land utilization are studied, and an attempt is made to appraise the effects of state and federal legislative acts (including tenure and taxation laws and policies) and administrative programs designed to change the major uses of land in various parts of the country.

[287. Problems in Agricultural Economics for Teachers of Vocational Agriculture. Summer session (2-weeks unit). One credit. Open to teachers of vocational agriculture; to others only with consent of instructor. (Not to be given summer 1943.) Departmental Staff.

A course dealing with the principles applicable to particular agricultural economic problems.]


The elements involved in and the principles applicable to the problems of agricultural economic planning. National and local policies affecting American agriculture will be studied, appraised and, in particular instances, compared with those of foreign countries.

300. Investigation of Special Topics. Either or both semesters. Credits and hours by arrangement. Open only with consent of instructor. Departmental Staff.

This course is designed primarily for major students. Students may enroll for two different types of work under supervision, either research or general reading in fields related to the major concentration.

301. Investigation of Agricultural Institutions. Either or both semesters. Credits and hours by arrangement. Open only with consent of instructor. Departmental Staff.

This course is designed to furnish students with an opportunity to study the organization, operations, problems, and policies of particular federal, state, or local agricultural agencies. Each student is required to prepare a report of his investigation which is delivered before the other students in the course. Whenever possible, a representative of the agency involved will be present when the report is made.

310. Seminar. Either or both semesters. Credits and hours by arrangement. Open only with consent of instructor. Departmental Staff.

A course in which advanced students may augment their knowledge through participation in staff conferences and discussions, reviews of important books, and reports on recent developments in economic theory and research.

365. Research Method and Procedure in Agricultural Economics. Both semesters. Two credits each semester. One 2-hour class period. Open only with consent of instructor. Alternate years; to be given in 1943-1944. Hours by arrangement. Mr. Bressler.

A critical and comprehensive study of the results and methods of agricultural economic research in farm management, marketing, price economics and agricultural policy. The student should have broad preparation in general economics, agricultural economics and statistics.

[380. Advanced Agricultural Economics. Both semesters. Two credits each semester. One class period and one 2-hour discussion and laboratory period. For graduate students; open to seniors with consent of instructor. Alternate years; to be given in 1944-45. Hours by arrangement. Mr. Atkinson and Departmental Staff.]
This course deals with the competitive and monopolistic forces, the institutional and functional influences and the static and dynamic factors affecting agricultural production, finance, and trade. As a basis for appraising the process of economic adjustment and public policy with respect to these problems, the conditions and theory of partial and general equilibrium are explored. The results of both theoretical and empirical studies are applied.]

AGRICULTURAL ENGINEERING

ASSOCIATE PROFESSOR H. E. PINCHES; ASSISTANT PROFESSOR L. L. SAMMET*

PROFESSOR L. B. CRANDALL

Agricultural engineering is the general field of study covering the physical factors of agriculture such as power, machinery, buildings, applications of electricity, and drainage and erosion control. These factors are responsible for a large part of the costs of agricultural production. Students preparing for farming, extension work, teaching of vocational agriculture, or other vocations dealing with the production phases of agriculture should find material of interest and value in several of the courses offered.

A student wishing to prepare for a professional career in agricultural engineering should consult with members of the departmental staff as early as possible. Much of the training necessary for such preparation will be found outside the Department of Agricultural Engineering. The selection and planning of a sequence of courses adapted to such a student’s needs should be made if possible in his freshman year.

100. **Introduction to Agricultural Engineering.** First semester. Three credits. Two class periods and one 2-hour discussion and demonstration period. Prerequisite: Physics 100 or its equivalent. MR. PINCHES.

Many problems which arise in connection with crop production, animal husbandry and the storage or processing of farm products may be solved by the application of a few physical principles. This is an introductory course designed to bring out these principles, to show their practical applications, and to furnish a basis for further study of the mechanical and physical problems in agriculture.

103. **Farm Shop.** First semester. Two credits. Two 2-hour laboratory periods. Not open to students who have taken Agricultural Engineering 110. MR. CRANDALL.

A course designed to teach the use, care and sharpening of common tools; wood working, concrete construction, painting, plumbing, soldering, electric wiring, working of iron and ropework as they are found in ordinary maintenance and light construction work on the farm.

110. **Advanced Farm Shop.** Second semester. Three credits. One class period and two 2-hour laboratory periods. Open to students preparing to teach agriculture and to others only with consent of instructor. Not open to students who have taken Agricultural Engineering 103. Hours by arrangement. MR. CRANDALL.

A study of equipment of shops and of projects consistent with modern farm practice. Study, discussion and laboratory practice in the use and care of common tools, and in such operations as wood working, concrete construction, painting, plumbing, soldering, electric wiring, and metal working as are found in ordinary maintenance and light construction work on the farm.

202. **Power and Machinery.** First semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Agricultural Engineering 100. Not open to students who have taken Agricultural Engineering 204. Hours by arrangement. MR. PINCHES.

A course covering the place of power and machinery in agriculture and in typical farm practice. Considerable time is given to the internal combustion engine and its applications in engine, tractor and truck. This is followed by an intensive study of a few fundamental machines. The course concludes with an evaluation of the newer forms of machines and power equipment.

* On leave for war service.

A continuation of Course 202, providing opportunity for more technical and experimental study of selected machines.

204. Automotive Equipment. First semester. Three credits. Two class periods and one 3-hour laboratory period. Not open to students who have taken Agricultural Engineering 202 or Mechanical Engineering 243. MF2, and laboratory by arrangement. Mr. Pinches.

A study of gasoline and Diesel engines, including operation, maintenance, and repair; transmission and application of power; traction devices. The application of these principles to military vehicles and equipment will be brought out throughout the course.

210. Farm Structures. Second semester. Three credits. Two class periods and one 2-hour discussion and demonstration period. Prerequisite: Agricultural Engineering 100. Hours by arrangement. Mr.———.

This course deals with farm buildings from the standpoint of function, planning, materials of construction, management and cost. Provision will be made for study of individual problems.

[215. Problems in Agricultural Engineering for Teachers of Vocational Agriculture. Summer session (2-weeks unit). One credit. Open to teachers of vocational agriculture; to others only with consent of instructor. (Not to be given summer 1943.) Mr. Pinches.

A course covering recent developments in farm shop equipment and methods and other mechanical equipment for the farm as related to the work of teachers of vocational agriculture.]

225. Agricultural Uses of Electricity. Second semester. Three credits. Two class periods and one 2-hour laboratory. Prerequisite: Agricultural Engineering 100. Open to sophomores. Hours by arrangement. Mr. Pinches.

The aim of this course is to provide the student with a guide to the ever-growing diversity in the use of electrical energy for agricultural purposes—farm and residential. It deals with elementary principles of electricity and its applications through the forms of heat, light and power. Problems of wiring, of selection, operation and maintenance, and cost of using typical items of equipment will be discussed.

230. Land Development and Water Control. First semester. Three credits. Two class periods and one 3-hour laboratory period. Not open to students who have taken Agricultural Engineering 234. Hours by arrangement. Mr.———.

The prevention of soil erosion is generally a problem of controlling surface water. Control of the moisture content of the soil through drainage or irrigation is of fundamental importance in most types of agriculture. Study of the engineering aspects of these practices and of storage of water in ponds and reservoirs will be given major attention. The remainder of the course will be devoted to study of improvement of land for farm operations, including clearing of stumps and rocks, and farm layout as related to topography and other natural features.

234. Land Clearing, Drainage and Water Supply. First semester. Three credits. Two class periods and one 3-hour laboratory period. Not open to students who have taken Agricultural Engineering 230 or Civil Engineering 281 or 282. TTh2, F6-8 or by arrangement. Mr. Pinches.

Clearing land of rocks, trees, brush and stumps. Drainage by open ditch and tile drains. Water supply, types of wells, pumps and piping. The laboratory will include practice in the use of levels, and in the analysis of problems. Emphasis will be placed on the application of these principles to military problems.

300. Special Topics. Either or both semesters. Open only with consent of instructor. Credits and hours by arrangement. Mr. Pinches.

A special course for the advanced student who wishes to pursue further the study of one branch of agricultural engineering such as power, machinery, structures, drainage.
AGRONOMY

Professor H. Dorsey; Associate Professor B. A. Brown

220. **Soils**. First semester. Four credits. Two class periods and two 2-hour laboratory periods. Students are advised to take Chemistry 120, 121 and courses in botany preceding this course. TTh4, WF6-7. Mr. Dorsey.

This introductory course is designed to give the student a knowledge of the characteristics of soils. The subject matter includes the origin, physical properties and classification of soils; their minerals, organic matter, moisture, gases and living organisms; the first principles of tillage, fertilization, rotation of crops, economic use of the land and the importance of soil problems to the nation.

250. **Forage Crops**. First semester. Four credits. Three class periods and one 2-hour laboratory period. Open to sophomores. MWF2, T8-9. Mr. Dorsey.

A study of the forage crops with particular reference to production and usefulness for livestock. The hay, pasture, straw, silage, root and-soiling crops are studied with emphasis on methods of production and improvement.

260. **Cash Crops**. First semester. Three credits. Three class periods. Open to sophomores with consent of instructor. Alternate years; to be given in 1943-44. MWF3. Mr. Dorsey.

A course designed to give the practical knowledge essential to successful culture and handling of the important cash field crops of the state, with special emphasis upon potatoes and tobacco.

265. **Cereal Crops**. First semester. Three credits. Two class periods and one 2-hour laboratory period. Alternate years; to be given in 1944-45. TTh2, M6-7. Mr. Dorsey.

A study of the culture, use and improvement of the important cereal and grain crops and their adaptations to soil and climate.

270. **Soil Fertility**. Second semester. Four credits. Three class periods and one 2-hour laboratory period. Prerequisite: Agronomy 220. Chemistry 130 and 235 are recommended. MWF2, M6-7. Mr. Dorsey.

This advanced course in soils is offered to give a thorough knowledge of the factors that contribute to soil fertility, including the interaction of plant nutrients, the effect of fertilizers on soils and on crops, the means of maintaining soil fertility under different types of farming and the application of the principles of other sciences to the handling of soil.

300. **Special Topics**. Either or both semesters. Credits and hours by arrangement. Prerequisite: Agronomy 220 and 250, Chemistry 233 and Botany 230. Mr. Dorsey and Mr. Brown.

In this advanced course the student investigates thoroughly a special topic in either the production of crops or the science of soils. Knowledge of related subject matter and mastery of the methods of investigation in the particular line of work undertaken are essential. This course will familiarize the student with methods used in field and in laboratory research work.

ANIMAL DISEASES

Professor E. L. Jungherr

230. **Animal Diseases**. Second semester. Four credits. Three class periods and one 2-hour discussion and demonstration period. TThS1, M6-7. Mr. Jungherr.

A study of the principles of common, infectious and contagious diseases of domestic and game animals. This course is designed to acquaint the student in the various fields of animal industries with the fundamentals of the important diseases of mammals and birds. Emphasis is placed upon the practical aspects of sanitary problems in the control of diseases infectious to animals and transmissible from animals to man.

(This course was formerly partly covered in numbers 250 and 260.)
240. **Animal Pathology.** First semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Bacteriology 205 or its equivalent in microscopic technique. Zoology 213 recommended. TTh1, M6-7. **Mr. Jungherr.**

An introductory course in general pathology designed to acquaint the student with the gross and microscopic reactions and the defense mechanisms of the animal body to chemical, bacterial, parasitic and viral injuries. The laboratory period includes the study of prepared blood slides and tissue section and other illustrative material. Knowledge of ordinary medical terminology and the scientific aspects of animal disease problems are stressed.

301. **Animal Diseases Laboratory.** Either or both semesters. Credits and laboratory periods by arrangement. Limited to three students each semester. Prerequisite: Bacteriology 231 and a course in animal diseases. **Mr. Jungherr.**

Special problems in connection with the research program and diagnostic routine in animal diseases.

**ANIMAL HUSBANDRY**

**Associate Professor F. C. Daugherty; Assistant Professor M. H. Kerr; Instructor D. C. Gaylord.**

103. **Types and Market Classes of Livestock.** First semester. Three credits. One class period and two 2-hour laboratory periods. **Mr. Daugherty.**

A study of the market requirements for commercial swine, sheep, beef cattle and utility horses. Judging and grading exercises will constitute the laboratory work.

205. **Breeds of Livestock.** Second semester. Three credits. One class period and two 2-hour laboratory periods. Prerequisite: Animal Husbandry 103 or its equivalent. F4, WF 8-9. **Mr. Daugherty.**

A study of the history, development and characteristics of the various breeds of swine, sheep, beef cattle and horses. The laboratory periods provide training in herd selection and show ring judging of the various breeds. Field trips to study other herds may be required.

(This course was formerly number 203.)

208. **Livestock Management.** Second semester. Three credits. Three class periods. Open to sophomores. MWF1. **Mr. Gaylord.**

This course deals briefly with the problems of selection, breeding and care of horses, beef cattle, sheep and swine. It is intended primarily for students in Agriculture who desire a general knowledge of the field of animal husbandry to fit them better for many of the positions in the agricultural field or for the operation of their own farms.

211. **Horse Management.** First semester. Three credits. Two class periods and one 2-hour laboratory or discussion period. TTh2, T6-7. **Mr. Gaylord.**

A course in problems relating to breeding and selecting, feeding and handling light and heavy horses. It includes a study of breeds and types. The course deals with horses for recreation as well as for utility.

213. **Sheep Production.** Second semester. Three credits. Two class periods and one 2-hour laboratory or discussion period. Alternate years; to be given in 1943-1944. TTh1, M6-7. **Mr. Daugherty.**

A detailed study of problems relating to the sheep industry, with special reference to eastern conditions. A section for forestry students will be arranged if necessary.

[217. **Beef and Swine Production.** Second semester. Three credits. Two class periods and one 2-hour laboratory period. Alternate years; to be given in 1944-45. TTh1, M6-7. **Mr. Daugherty.**

A detailed study of beef and swine production, including dual-purpose cattle with special reference to eastern conditions.]

(This course was formerly number 216.)
240. **Meats.** First semester. Two credits. One lecture and one 3-hour laboratory period. W2 and laboratory period by arrangement. 

A study of the physical and chemical composition, nutritive value, economy, selection and utilization of different cuts of meat, and also farm butchering, cutting, curing and care of meats. A trip to a slaughter and packing house is a part of the course. 

[247. **Animal Breeding.** Second semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Genetics 210. Alternate years; to be given in 1944-45. TTh2, T6-7. 

This course strives to familiarize the student with the problems involved in animal improvement and to indicate methods for further work. It includes a study of pedigrees from herd-books and stud-books, and of breeding with particular emphasis on the most productive sires and dams.]

250. **Livestock Judging.** First semester. Two credits. One week preceding the opening of the University in September and continuing into the first semester. Prerequisite: Animal Husbandry 103. Animal Husbandry 205 recommended. Hours by arrangement. 

This course provides intensive training in the judging of livestock. Intercollegiate judging teams will be selected from this course and Animal Husbandry 205.

300. **Investigation of Special Topics.** Either or both semesters. Credits and hours by arrangement. Open only with consent of instructor. 

**Departmental Staff.**

308. **Seminar.** Second semester. One credit. One 2-hour discussion period. Recommended for students whose major is in animal husbandry and open to others with consent of instructor. Alternate years; to be given in 1943-44. Hours by arrangement. 

**Departmental Staff.**

An advanced study of questions pertaining to livestock. Each student specializes to a certain extent on subjects of interest to him.

**BACTERIOLOGY**

**Professor W. L. Kulp; Instructors V. E. White, S. E. Wedberg.**

A broad, general presentation of microbiology and its applications is given in Bacteriology 201 and Bacteriology 205. The material presented makes these courses of general educational and cultural value, and at the same time they are basic to all other offerings of the department. 

Bacteriology 221 is offered as an important tool subject for students in dairying and home economics. Bacteriology 231 is presented as an advanced course for those who expect to enter the professional schools of medicine, nursing or dentistry, or who are training to be laboratory technicians. 

All offerings of the department are recommended for major students who intend to make bacteriology their life work. These courses will prepare such students for graduate study in this field. 

It is desirable that students who intend to major in bacteriology begin the course work in this subject in their fourth semester. As foundation subjects for majors, Chemistry 121 should be completed by the end of the sophomore year and Chemistry 233 as early as possible.

201. **General Microbiology.** Either semester; summer, first term. Three credits. Three class periods. Prerequisite: Chemistry 101 or 120. Botany 110 or Zoology 121 recommended. Open to sophomores. MWF1. 

**Mr. Kulp, Mr. Wedberg.**

This course includes discussions of the fundamental principles of microbiology, the characteristics of yeasts, molds, bacteria and protozoa and the relation of these forms to general science, agriculture, industry, public health and diseases of man, animals and plants.
205. **Bacteriological Technic.** Either semester; summer, first term. Two credits. Two 2-hour laboratory periods. This course should be taken concurrently with Bacteriology 201. Open to sophomores. Sec. A—TTh 6-7; B—TTh 8-9.

**DEPARTMENTAL STAFF.**

A laboratory course in which the chief emphasis is placed on the development of technic. The preparation of representative culture media is included as well as the study of the morphological, physiological and cultural characteristics of representative species of microorganisms.

221. **Dairy and Food Microbiology.** First semester. Four credits. Two class periods and two 3-hour laboratory periods. Prerequisite: Bacteriology 201 and 205. TTh 3, WF 6-8.

Lectures and laboratory exercises dealing with the important groups of microorganisms which are significant in milk, milk products and food, and the methods used in bacteriological analysis and control of these products.

231. **Advanced Bacteriology.** Second semester. Four credits. Two class periods and two 3-hour laboratory periods. Prerequisite: Bacteriology 201 and 205. TTh 3, WF 6-8.

**DEPARTMENTAL STAFF.**

A detailed consideration of important bacterial genera, including some human, animal and plant pathogens. In addition, considerable attention is given to the study of disinfectants and to the microbiology of water, sewage and soil.

300. **Special Bacteriology.** Either or both semesters; summer, either or both terms. Credits and hours by arrangement. Prerequisite: Bacteriology 231, Chemistry 233 and 260, and consent of instructor.

**DEPARTMENTAL STAFF.** Special investigations for students whose major is in bacteriology.

311. **Seminar.** Either or both semesters. One credit each semester. Two 1-hour discussion periods. Prerequisite: Bacteriology 231 and consent of instructor. Hours by arrangement. Mr. Kulp, Mr. Wedberg.

This course consists in readings, reports, and round table discussions and is planned for advanced students in bacteriology or related subjects.

316. **Serology.** First semester; summer, both terms. Three credits. One class period and two 2-hour laboratory periods. Prerequisite: Bacteriology 231 and consent of instructor. Laboratory WF 6-7 and lecture by arrangement. Mr. Kulp, Mr. White.

Lectures and laboratory exercises dealing primarily with the fundamentals of serology, with applications to the identification of microorganisms, the laboratory diagnosis of disease and other studies of antigenic relationships.

(This course was formerly number 315.)

**BOTANY**

**PROFESSOR G. S. TORREY; ASSOCIATE PROFESSOR R. H. WALLACE; ASSISTANT INSTRUCTOR MARJORIE D. ABRAMS.**

110. **Introduction to Botany.** Either semester. Four credits. Two class periods and two 2-hour laboratory periods. Mr. Torrey, Mr. Wallace.

A general introductory course presenting the plant as a living organism. Attention is directed primarily to a study of the activities and structure of the seed plants, as a basis for an intelligent understanding of the principles of botany and its relation to human life and to the various fields of agriculture. A brief survey is also made of the more important plant types throughout the vegetable kingdom. Although concerned chiefly with the elementary physiology of the seed plants, the course touches upon the other parts of the botanical field. A knowledge of its content is assumed in other courses in botany. The latter are independent of one another and may be taken in any order by those who have completed this course.

120. **Field Botany.** Summer session, first term. Three credits. Not open to students who have taken more than one of the following: Botany 230, 250, 270. Mr. Torrey.
Field and laboratory work, with supplementary lectures and reading. Collecting and identifying seed-plants, ferns, mosses, algae, and fungi; and certain topics in ecology, such as a study of the adaptations of plants to their environments, and an elementary discussion of plant societies. Though serving, like Botany 110, as an introduction to the study of plants, its subject matter is different, and the two courses may be taken in succession or simultaneously.

Students will pay not more than five dollars to cover transportation on field trips.

[230. The Algae, Liverworts and Mosses. Second semester. Four credits. Two class periods and two 2-hour laboratory periods. Prerequisite: Botany 110. Alternate years; to be given in 1944-45. TTh3, TTh8-9. Mr. Torrey.

The structure, life-histories and classification of the chlorophyll-containing lower plants. A study of these groups affords an opportunity to discuss the origin and evolution of sex in plants and the rise and decline of the alternation of generations. The course gives the necessary background for teaching certain types of elementary botany and biology. Incidentally, it deals with forms which never fail to arouse interest by their beauty and peculiarity. This course and Course 270 constitute a survey of the lower plants, their classification, morphology and evolution. One or both should be taken by those who plan to teach biology in high school.]

[240. Plant Pathology. Second semester; summer, first term. Four credits. Two class periods and two 2-hour laboratory periods. Prerequisite: Botany 110. Alternate years; to be given in 1944-45. TTh1, TTh6-7. Mr. Torrey.

Diseases of plants, with special reference to those which are simplest and most thoroughly understood, the fungous diseases. The course does not pretend to be anything more than an introduction to a large and growing subject. It cannot teach the student to diagnose the diseases which he will encounter on his own crops, but it can, by a rather thorough study of a few diseases, illustrate certain general principles of wide application, so that control measures can be applied with intelligence, and specialized information, when it is needed, can be read understandably.]

250. Classification and Distribution of the Flowering Plants. First semester. Four credits. Two class periods and two 2-hour laboratory periods. Prerequisite: Botany 110. TTh1, TTh6-7. Mr. Torrey.

This course aims to make the student familiar with the native flora and with the main features of the classification of the flowering plants. Attention is also given to the factors which determine plant distribution and to the technique of collecting and herbarium work. Students who intend to take the course are invited to consult the instructor before the end of the preceding college year to arrange for summer field work. This course is of practical value to prospective nurserymen and landscape gardeners and to those interested in beekeeping, all of whom must acquire the ability to recognize our native plants. It covers that part of botany with which the layman expects every botanist to be familiar and introduces the student to a phase of botany which has afforded many amateurs an interest through life.

Students will pay not more than two dollars to cover transportation on field trips.

270. The Fungi. Second semester. Four credits. Two class periods and two 2-hour laboratory periods. Prerequisite: Botany 110. Alternate years; to be given in 1943-44. TTh1, TTh6-7. Mr. Torrey.

Structure, physiology, classification and life-histories. This course is part of the survey of the lower plants, the other groups being discussed in Botany 230. It is essential for those who desire more than a rudimentary knowledge of plant pathology, although no effort is made to confine the study to forms which are of pathological importance. Students will have opportunity to practice culture-technique and will be encouraged to collect and identify fungi.


Practice in the identification of woods by gross and microscopic characters and in the preparation of wood sections. Planned especially for students in forestry and sometimes substituted for a similar course usually required in forestry school.
291. **Plant Physiology.** Second semester. Four credits. Two class periods and two 2-hour laboratory periods. Prerequisite: Botany 110. Sec. A—MW3, TTh6-7; B—MW3, TTh8-9.

Mr. Wallace.

Growth, tropisms, movements of various types, sensitivity and other responses of plants to the conditions in which they live. The work is largely experimental, carried on in the laboratory and the greenhouse, and supplemented with lectures and readings. In connection with Botany 292 this course gives a well-rounded view of the field of plant physiology. Either semester can, however, be taken independently. In this part of the work the student is concerned almost constantly with the plant as a living and moving individual. Those who desire a course in plant physiology for its general interest are advised to elect this one; it is also of some special interest to entomologists because of the analogies between the tropisms of plants and those of insects.

292. **Plant Physiology.** First semester. Four credits. Two class periods and two 2-hour laboratory periods. Prerequisite: Botany 110. Sec. A—MW2, TTh6-7; B—MW2, TTh8-9.

Mr. Wallace.

The physiological processes here discussed, photosynthesis, respiration, absorption, conduction, assimilation and mineral nutrition, are of general interest and importance because their utilization and control constitute the technique of food production in agriculture. The course will consequently be valuable to students of agronomy, horticulture and forestry, as well as to those who, though primarily interested in animal physiology or animal industry, desire some comparative knowledge of the life-processes of plants.

300. **Investigation of Special Topics.** Either or both semesters; summer, first term. Credits and hours by arrangement. Prerequisite: Two courses in botany and consent of instructor.

Mr. Torrey, Mr. Wallace.

A course for the advanced student who desires to pursue a special line of work in botany, either in morphology, physiology, pathology or taxonomy. Opportunity will be given to acquire familiarity with the technique of killing and fixing different types of plant material, embedding in paraffin and celloidin, cutting microtome sections and preparing and staining mounts, with the technique of plant pathology or physiology and with the methods of taxonomic research. As an introduction to methods of investigation each student will be expected to devote special attention to a particular problem.

**BUSINESS ADMINISTRATION**


Professor W. H. Carter, Jr.

131. **Accounting.** Either semester; summer, first term. Three credits. Two class periods and one 2-hour laboratory period.

Mr. Ross.

An introductory course dealing with the fundamental principles and methods involved in accounting for the ordinary business transactions of the single proprietorship, partnership and corporation.

(This course was formerly Economics 133.)

132. **Accounting Continued.** Second semester; summer, second term. Three credits. Three class periods. Prerequisite: Business Administration 131. This course and Business Administration 201 may not both be taken for credit.

Mr. Ross.

This course, a continuation of Business Administration 131, is concerned chiefly with the special accounting problems of partnerships and corporations. Basic principles of valuation, and analysis and interpretation of financial statements are also discussed.

(This course was formerly Economics 234.)

* On leave for war service.
201. **Theory and Interpretation of Accounts.** First semester. Three credits. Three class periods. Prerequisite: Business Administration 131. Open to sophomores. This course and Business Administration 132 may not both be taken for credit. MWF4. Mr. Ross.

A course planned to emphasize the use of accounting information rather than its collection and presentation. Analysis and interpretation of financial statements by use of ratios and other techniques are stressed, and considerable time is spent on depreciation methods, valuation problems, funds, reserves, surplus and the problem of income measurement.

(This course was formerly Economics 251.)

203. **Intermediate Accounting.** First semester; summer, first term. Three credits. Three class periods. Prerequisite: Economics 112 and Business Administration 132. TThS2. Mr. Ross.

A basic course for students preparing for professional work in accounting. The subject matter includes accounting for installment sales, consignments, actuarial aspects of accounting, and valuation problems.

(This course was formerly Economics 239.)

205. **Cost Accounting.** First semester; summer, second term. Three credits. Three class periods. Prerequisite: Economics 112 and Business Administration 132. MWF3. Mr. Ross.

A course designed to give the student a knowledge of the principles and methods of gathering, presenting and using cost accounting information. Attention is directed to different cost concepts and to the value and limitation of cost information provided through accounts.

(This course was formerly Economics 235.)


A study of advanced cost accounting theory and problems. The material covered includes standard costs, distribution costs, and cost problems connected with government legislation such as the Robinson-Patman Act, and various fair-trade acts.

207. **Advanced Accounting.** First semester. Three credits. Three class periods. Prerequisite: Business Administration 203. TThS1. Mr. Ross.

A course in advanced accounting theory and practice. Problems involved in accounting for branches, mergers, consolidations, estates and trusts, and municipalities are included.

(This course was formerly Economics 253.)

208. **Accounting Systems.** Second semester. Three credits. Three class periods. Open only with consent of instructor. TThS2. Mr. Ross.

This course includes a study of the problems involved in the development and installation of accounting systems and the accounting requirements of various types of businesses such as banks, insurance companies, building and loan associations, brokerage firms, municipalities, etc.

212. **Auditing.** Second semester. Four credits. Three class periods and one 2-hour laboratory period. Prerequisite: Business Administration 203 and 205. MWF1, Th6-7. Mr. Ross.

The purpose of this course is to give the student a knowledge of the fundamental principles and working procedure of auditing. It is intended both for students who expect to enter the public accounting profession and for those who plan to do accounting work for a private concern. The course is devoted primarily to study of the balance-sheet audit but attention is also directed to the responsibilities and qualifications of auditors, and other types of services performed by them.

(This course was formerly Economics 256.)

216. **American Industries.** Second semester. Three credits. Three class periods. Prerequisite: Economics 112. Open to sophomores. TThS4. Mr.————.
In this course the background and growth of American industry is considered. Among the topics covered are the location of industrial centers; plant location within the industrial area; raw materials used; methods of manufacture; products and their markets; and the internal organization of typical companies. Industries studied include the following: meat packing, textiles, leather, iron and steel, non-ferrous metal mining, coal, petroleum, chemical, rubber, electrical manufacturing, machine tools, automobile, aeronautical, communications, transportation, radio, and motion picture.

217. **Industrial Management and Organization.** First semester. Three credits. Three class periods. Prerequisite: Economics 112. This course and Mechanical Engineering 249 may not both be taken for credit. Mr. Healey.

This course deals with the management of enterprises. It considers fundamentals underlying the development of various types of organization structure and the factors affecting the location, construction and layout of industrial plants. Such problems of management as product design, output and operating standards, incentives, and inventory control are discussed. Planning and control of manufacturing activities and coordination of production with sales and finance through budgeting are presented. Opportunity will be given to visit a few industrial plants.

(This course was formerly Economics 238.)

218. **Motion and Time Study.** Second semester. Three credits. Three class periods. Prerequisite: Business Administration 217. TThS1. Mr. ————.

An introductory course dealing with establishment of the correct methods of performing operations in office and factory. Topics treated in some detail include improvement and standardization of accessories and equipment; methods of observation and analysis-process chart, simo-motion chart, therbligs, and standard elementary times; use of motion pictures; stop watch technique; the laws of motion economy. Setting the time standard and training the operator are discussed in detail.

(This course was Economics 286 in 1940-41 and was formerly partly covered in the second semester of Economics 238.)

219. **Personnel Administration.** First semester; summer, first term. Three credits. Three class periods. Prerequisite: Economics 112. MWF1. Mr. ————.

A study of various methods designed to improve relations between employers and employees. The functions of a personnel department in maintaining morale and building good will, in collective bargaining and other negotiations with employees, and in selecting and training workers are examined.

(This course was formerly Economics 237.)

222. **Industrial Purchasing.** Second semester. Three credits. Three class periods. Prerequisite: Business Administration 217. Not open to students who have taken Business Administration 222X. MWF1. Mr. McMillan.

This course considers the principles and practice of industrial purchasing. Divisions of this course include the following: purchasing procedure; control of quantity and quality; price policies; speculation and forward buying; legal status of the purchasing agent; and the purchasing budget. Actual problems taken from industry are an important part of this course.

222X. **Industrial Purchasing.** Extension. Two credits. Two class periods. Not open to students who have taken Business Administration 222. Hours by arrangement. Mr. McMillan.

A less extensive treatment of the material included in Course 222.

224. **Compensation Methods.** Second semester. Three credits. Three class periods. Prerequisite: Business Administration 217. MWF4. Mr. ————.

This course is designed to offer a systematic study of the compensation of wage earners, salaried workers, salesmen, and executives in modern business. Topic studies include the following: job evaluation, wage surveys, time payments, incentive plans, non-financial incentives, and profit sharing. More than twenty incentive plans will be studied in detail.

231. **Marketing.** First semester. Three credits. Three class periods. This course and Agricultural Economics 221 may not both be taken for credit. Prerequisite: Economics 112. TThS3. Mr. McMillan.
The purpose of this course is to present the fundamental market relationships involved in the flow of goods from producer to consumer. Case material and problems which illustrate modern marketing practices form the basis of the discussions.

(This course was formerly Economics 220.)

234. Advertising. Second semester. Three credits. Three class periods. Prerequisite: Business Administration 231 or Agricultural Economics 221. TThS3.  
Mr. McMillan.

A study of advertising practice, the principles underlying it, the effect of advertising upon the public and the part it plays in modifying consumption habits.

(This course was formerly Economics 222.)

Mr. McMillan.

The management of a sales force. Among the subjects to be treated are: qualifications and duties of the sales manager; recruiting, selecting and training of salesmen, devising sales plans, sales control by means of quotas, sales budgets, balanced sales territories and routes, sales promotion, sales reports and conferences.

Mr. McMillan.

A study of modern merchandising methods utilized by retail stores such as department stores and specialty stores. Subjects considered will be: store organization, buying, pricing, receiving, marketing, publicity, selling, record keeping and stock control.

Mr. Healey.

This course gives the student a knowledge of the structure and functioning of the corporation. Stress is laid on the methods and instruments of corporate finance and control. The social and economic problems connected with the corporation are also considered. Three half-day optional field trips will be provided.

(This course was formerly Economics 230.)

Mr. Healey.

The principles of investment policy and analysis useful to individuals and corporations are presented. Attention is given to the analysis of different industries, to different kinds of investment opportunity, and to criteria for judging the soundness of investments in particular companies or enterprises. Three half-day optional field trips will be provided.

(This course was formerly Economics 231.)

Mr. Ackerman.

This course commences with a study of interests in real property and the nature and legal effects of liens against real property. A real estate transaction from the contract of sale to closing of title will be covered. Public housing and the respective spheres of government and private housing will be analyzed.

Mr. Ackerman.

An introductory course dealing with the theory and practice of insurance and its economic and social significance. The chief types of insurance contracts available for protection against personal and business risks are examined. State supervision of insurance companies and the factors involved in the formulation of public policy in respect to private and public insurance are considered. Students interested in the elements of actuarial practice are referred to Mathematics 232.

(This course was formerly Economics 244.)
Mr. Ackerman.

An examination of causes, effects and proposed remedies for financial insecurity resulting from accidents, unemployment, old age and illness. In each case emphasis is placed on the responsibility of the individual and the responsibility of society. An analysis will be made of workmen's compensation legislation and insurance, the Social Security Act, hospitalization plans and other currently proposed remedies.

(This course was formerly Economics 248.)

Mr. Ackerman.

This course is concerned with the basic principles underlying life insurance. It includes an analysis of the terms of a life insurance policy with special reference to legal considerations; disability and double indemnity. The scientific and historical features of life insurance will be considered; computation of the net single premium, net annual level premium, and the reserve will be shown in simple nontechnical fashion. Business life insurance and life insurance trusts will be studied. Group life insurance and fraternal benefits will be discussed; also net cost problems and the determination of the rate of investment return on a life insurance policy.

Mr. McMillan.

A digest of the legal principles which are most likely to be of use to the business man. Emphasis is placed on the law of contracts and negotiable instruments.

(This course was formerly Economics 232.)

Mr. McMillan.

The purpose of this course is to acquaint the student with the fundamental legal principles surrounding partnerships, corporations, suretyship, guaranty, and bankruptcy, so that the student in the future may make intelligent use of the professional services of a skilled lawyer.

270. Elementary Typewriting. Both semesters; summer, both terms. Two credits each semester. Three class periods. Hours by arrangement.  
Miss Bosworth.

This course aims at the foundation and mastery of correct habits in typewriting. Emphasis is placed on exercises which lead to the immediate use of the typewriter in preparation of themes, papers, reports. Other practice materials are selected in the light of their functional relationship to secretarial work.

(This course was formerly Secretarial Studies 11 and in 1942-43, Business Administration 272.)

271. Advanced Typewriting. Both semesters; summer, both terms. Two credits each semester. Three class periods. Prerequisite: Business Administration 270 or its equivalent. Hours by arrangement.  
Miss Bosworth.

Emphasis is placed on increased accuracy and speed. Practice materials are more difficult and varied. Attention is also given to transcription of shorthand notes.

(This course was formerly Secretarial Studies 15 and in 1942-43 Business Administration 274.)

273. Elementary Gregg Shorthand. Both semesters; summer, both terms. Two credits each semester. Three class periods. Hours by arrangement.  
Miss Bosworth.

This course aims at the foundation and mastery of correct principles and habits in Gregg shorthand. Practice materials are selected in the light of their functional relationship to secretarial work.

(This course was formerly Secretarial Studies 21.)

275. Advanced Gregg Shorthand. Both semesters; summer, both terms. Two credits each semester. Three class periods. Prerequisite: Business Administration 273 or its equivalent. Hours by arrangement.  
Miss Bosworth.
Emphasis is placed on increased accuracy and speed. Practice materials are more difficult and varied. Attention is also given to transcription of shorthand notes.

(This course was formerly Secretarial Studies 25.)

TThS2. 
Mr. McMillan.

This course presents a study of the characteristics and uses of the more important series of statistical data in the business field and of their applicability to the needs of different businesses and business situations, and the problems of assembling and using data which arise within a given business. The philosophy and techniques of business forecasting are examined, and applications are made to practical problems, using both published series and data from a firm's business records.

(This course was formerly Economics 263.)

277. Office and Secretarial Training. Both semesters; summer, both terms. Three credits each semester. Four class periods. Prerequisite: Business Administration 271 and 275, or consent of instructor. Hours by arrangement. 
Miss Bosworth.

Special study of and practice in the problems and duties of the secretary, such as systematizing office work, operation of office machines, filing, secretarial accounting, reporting and editing, meeting the public.

(This course was formerly Secretarial Studies 51.)

Mr. Ash.

This course has two objectives: to acquaint the student with the functional importance of communication in business management, and to teach the technique of writing communication forms as they center around particular business problems. More attention is given to letters and reports than to other communication forms. Considerable practice is given in writing the reports in various fields of business and industry, depending upon the needs and interests of individual students.

Mr.———. 
A survey of rail, highway, water, airpipe lines, freight forwarding and express services. Emphasis is placed on the type of service offered by each class of carrier and the manner in which the goods are delivered. Competition between carriers is studied. Traffic terms, freight classification, government regulations, and carrier liabilities are considered.]

310. Business Administration Seminar. Either or both semesters; summer, both terms. Credits and hours by arrangement. Open only with consent of instructor. 
Departmental Staff.

An advanced course for investigation and discussion of specific problems of business administration.

(This course was formerly Economics 330.)

311. Federal Income Tax Procedure. First semester. Three credits. Three class periods. Prerequisite: Business Administration 203 or consent of instructor. 
MWF2. 
Mr. Ross.

A study of the underlying concepts of Federal income taxation. Consideration is given to the current revenue act and problems are employed to illustrate its application. Tax returns for individuals, partnerships, and corporations will be prepared.

TThS1. 
Mr. Ross.

An approach to Federal taxes such as excise, gift, estate, social security taxation. In addition Connecticut tax structure as it affects individuals, partnerships and corporations will be studied.

A critical study of the principles and techniques involved in business organization and management. This course emphasizes authority, responsibility, and accountability in organization and management which underlie businesses of every legal form, and of all types and sizes. In this course the student is required to widen his acquaintance with some of the better literature dealing with the science, art, and philosophy of business organization and management.

321. Industrial Relations. First semester. Three credits. Prerequisite: Graduate standing and consent of instructor and adviser. Hours by arrangement.

A study of various methods designed to improve relations between employers and employees. The functions of a personnel department in maintaining morale and building good will, negotiating with employees, and selecting and training workers are examined. The use of statistical technique as applied to personnel problems forms an important part of this course.

380. Labor Administration. Either semester. Three credits. Prerequisite: Graduate standing and consent of adviser and instructor. Hours by arrangement.

A course showing in detail the relations of corporate management and union organization within the plant. A short introduction into the history of the kinds of labor units as evidenced by American experience and a survey of labor law are presented. A study of labor cases is made to show the position of the employee, foreman, and superintendent under the Wagner Act and the National Labor Relations Board. Some case material is used to demonstrate the statutes of Connecticut.

386. Industrial Jurisprudence. Second semester. Three credits. Three class periods. Prerequisite: Graduate standing and consent of adviser and instructor. Hours by arrangement.

The course is devoted to (a) the legal structure and functioning of the labor union, (b) the rights of members within the union, and (c) the union's relations with the employer. Court and board decisions compose most of the work in union incorporation, the constitution and by-laws, the trade agreement, the injunction, the strike, the boycott, and picketing.

388. Cost Accounting and Budgeting. Semester and hours by arrangement. Three credits. Prerequisite: Graduate standing and consent of adviser and instructor.

Mr. Ross.

Factors and elements in cost, types of cost systems and budgetary control. Static, flexible budgets and their control. Application of variable costs in management. Operation and control of departmental budgets.

391. Connecticut Industries. First semester. Three credits. One class period, one lecture with field trip, each week. Open to graduate students and to seniors with consent of instructor. Th6-9.

Departmental Staff.

A course in industry which utilizes the rich industrial region offered by Connecticut industry as a laboratory. Course consists of field trips and lectures, and class discussion of principles of business brought out by the trips and lectures.

394. Business Policy. Second semester. Three credits. Three class periods. Open to graduate students and to seniors with consent of instructor. MWF6.

Departmental Staff.

A diagnosis of the problems of business from the executive's viewpoint. It analyzes the types of business risks and methods for shifting these risks; formulation of policy in a dynamic business environment is considered. The course is taught by the case method. The problems will cover sales, personnel, advertising, production, finance, accounting and insurance as found in both small and large business organization.
CHEMISTRY

Professor H. D. Newton; Associate Professors H. S. Schwenk, W. B. Coor*,
L. H. Amundsen, E. R. Kline; Assistant Professor J. W. Yates;
Instructors D. Blick, C. A. Kind, K. W. Krantz

The offerings of the Department of Chemistry make it possible for many students to
obtain an elementary training in a subject which is a very important, if not an essen-
tial, part of a liberal and cultural education. To some it offers a more extended training
in a science fundamental for those who expect to major in one of the biological sciences
or to use its applications in agriculture, engineering or home economics. For the few
who are well qualified in mathematics and physics, the department offers thorough
training preparatory to professional or graduate work.

All students who major in chemistry should complete the work in Courses 205, 233
and 240. Course 240 prepares the student for further study of organic chemistry and
also for the study of physiological chemistry, while Courses 205 and 233 prepare for
further study in all fields of chemistry. Students may meet the standards of the Amer-
ican Chemical Society for professional training by taking Courses 101, 129, 121, 205,
233, 234, 240, 241, 252, 253, 341 and one year of work in advanced chemistry. This
requirement of one year of advanced work may be met by Courses 260 and 262; 333
and 334; 344 and 345; 355 and 356; or by Course 346 in addition to 341, which is
included in the list above.

101. Elementary Chemistry. Either semester; summer, first term. Three credits.
Two class periods and two 2-hour laboratory periods. Mr. Blick.

This course offers an elementary study of general chemistry for those who have not
had secondary school chemistry.

120. General Chemistry. Either semester; summer, first term. Four credits.
Two class periods and two 2-hour laboratory periods. Prerequisite: Chemistry 101 or
its equivalent. Mr. Schwenk and Departmental Staff.

This course deals with the fundamental laws and concepts of chemistry and their
application in laboratory work and in the solution of problems.

121. General Chemistry. Either semester; summer, second term. Four credits.
Two class periods and two 2-hour laboratory periods. Prerequisite: Chemistry 120.
Mr. Yates.

A continuation of Chemistry 120 with special emphasis on the theories and prin-
ciples of chemical reactions. Laboratory work consists of the semi-micro qualitative
analysis of the common cations and anions.

205. Elementary Chemical Theory. First semester. Three credits. Three
class periods. Prerequisite: Chemistry 121. Open to sophomores. MWF6.
Mr. Yates.

A thorough study of the solubility product principle; weak electrolytes; the law
of chemical equilibrium; the ionization of water—acidity and basicity, and hydrolysis;
complex compounds; oxidation-reduction reactions; oxidation potentials and indicators,
with special reference to their application in qualitative and quantitative analysis.

233. Quantitative Analysis. Either semester; summer, first term. Four
credits. One class period and laboratory periods by arrangement. Prerequisite:
Chemistry 121. Hours by arrangement. Mr. Newton, Mr. Schwenk.

This course is devoted mainly to the study of volumetric procedures. Stress is
laid upon the accuracy, care and intellectual honesty necessary for successful quanti-
tative work. Attention is also given to the modern theory of solution and to stoichi-
ometry as applied to quantitative analysis.

234. Quantitative Analysis. Either semester; summer, second term. Four
credits. One class period and laboratory periods by arrangement. Prerequisite:
Chemistry 233. Hours by arrangement. Mr. Newton, Mr. Schwenk.

* On leave for war service.
This course is a continuation of the study of quantitative analysis with special emphasis upon gravimetric analysis and the analysis of natural and synthetic inorganic products.

240. Elementary Organic Chemistry. Either semester; summer, first term. Four credits. Three class periods and one 3-hour laboratory period. Prerequisite: Chemistry 120. Open to sophomores. Sec. A—MWF1, M6-8; B—MWF1, W6-8. Mr. Kline.

A study of the nomenclature and structural theory of organic compounds. The material presented is intended to provide an adequate background for reading the literature of organic chemistry and related fields. The reactions of some of the simpler functional classes are also studied. The laboratory work is designed to provide practice in the more common operations and methods of synthesis. This course prepares the student for Chemistry 241 and 260 and is a service course for other departments.


A continuation of Chemistry 240 for those who wish to complete a year’s work in organic chemistry. Study of type reactions and preparative methods underlies the laboratory and classroom work in this course. A term paper based on library research or an oral report based on an assigned laboratory problem will be required as part of the work.

252. Elementary Physical Chemistry. First semester; summer, first term. Four credits. Three class periods and one 3-hour laboratory period. Prerequisite: Chemistry 205 and 233, Mathematics 203. MWF3 and laboratory period by arrangement. Mr. Yates.

This course is designed to acquaint the student with the fundamental principles and concepts of modern theoretical chemistry. The subject matter includes a consideration of gases, liquids, solids, and the properties of solutions. Laboratory work consists of a series of experiments illustrating the application of fundamental laws to actual systems.

253. Intermediate Physical Chemistry. Second semester; summer, second term. Four credits. Three class periods and one 3-hour laboratory period. Prerequisite: Chemistry 252. MWF3 and laboratory period by arrangement. Mr. Yates.

A continuation of Chemistry 252 for students who wish to complete a year’s work in physical chemistry. Solution of electrolytes, colloids, thermodynamics, equilibria in homogeneous force, electrolysis, and polarization are considered with laboratory work arranged to illustrate fundamental principles.

260. Elementary Physiological Chemistry. Either semester; summer, second term. Four credits. Two class periods and two 2-hour laboratory periods. Prerequisite: Chemistry 210. TTh2, TTh6-7. Mr. Kind.

A course especially adapted to the needs of students interested in nutrition. It presents a study of the principal classes of foodstuffs, the fats, proteins and carbohydrates. Enzymes are studied in their relation to digestion. Salivary, gastric, pancreatic and intestinal digestion, absorption and storage are also studied. A term paper on a special topic is required.

262. Intermediate Physiological Chemistry. Second semester. Four credits. Two class periods and two 3-hour laboratory periods. Prerequisite: Chemistry 233 and 260. MW4 and laboratory periods by arrangement. Mr. Kind.

A continuation of Chemistry 260 for those who wish to complete a year’s work in physiological chemistry. Special emphasis will be given to the qualitative and quantitative analysis of metabolic products of the human body.

303. Investigation of Special Topics in Analytical Chemistry. Either or both semesters; summer, either or both terms. Credits and hours by arrangement. Open only with consent of instructor. Mr. Newton, Mr. Schwenk.

304. Investigation of Special Topics in Organic Chemistry. Either or both semesters; summer, either or both terms. Credits and hours by arrangement. Open only with consent of instructor. Mr. Kline, Mr. Amundsen.
305. **Investigation of Special Topics in Physical Chemistry.** Either or both semesters; summer, either or both terms. Credits and hours by arrangement. Open only with consent of instructor.

Mr. Yates.

306. **Investigation of Special Topics in Physiological Chemistry.** Either or both semesters. Summer, either or both terms. Credits and hours by arrangement. Open only with consent of instructor.

Mr. Yates.

310. **Seminar.** Either or both semesters. One credit. Open only with consent of head of department. Hours by arrangement.

Departmental Staff.

This course consists in readings, reports, and round table discussions and is planned primarily for students who are studying for the distinction examination.

333-334. **Advanced Analytical Chemistry.** Both semesters. Three credits each semester. One class period and two 3-hour laboratory periods. Prerequisite: Chemistry 234, 252, and consent of instructors. Hours by arrangement.

Mr. Newton, Mr. Yates.

An extended study of analytical methods including spectroscopic, electrometric, and other physico-chemical methods of analysis.

341. **Identification of Organic Compounds.** First semester. Three credits. One class period and two 3-hour laboratory periods. Prerequisite: Chemistry 241 and consent of instructor. Hours by arrangement.

Mr. Amundsen.

A study of the methods of organic qualitative analysis including treatment of both individual compounds and mixtures.

344-345. **Advanced Organic Chemistry.** Both semesters. Four credits each semester. Three class periods and one 3-hour laboratory period. Prerequisite: Chemistry 233, 241, and consent of instructor. A reading knowledge of German is desirable.

MWF5, F6-8.

Mr. Amundsen.

A study of the structure, occurrence, methods of preparation, properties and use of organic compounds. Training in the use of the organic chemical literature is included. In the laboratory the methods of organic synthesis and of quantitative elementary organic analysis are studied.


Mr. Amundsen.

A study of such topics as stereochemistry, reaction mechanisms, applications of electronic theory and the relationships of structure with physical properties and with reactivity.

355-356. **Chemical Thermodynamics.** Both semesters. Three credits each semester. Three class periods. Prerequisite: Chemistry 253 and Mathematics 203. Mathematics 204 is recommended. Hours by arrangement.

Mr. Kline.

An introduction to the methods of thermodynamics applied to physical chemistry.

**CIVIL ENGINEERING**

Professor F. L. Castleman, Jr.; Associate Professors A. N. Vanderlip*, E. R. VanDriest; Assistant Professor E. R. Gant; Instructors R. King*, G. R. Grantham, R. L. Hummel.

The curriculum in civil engineering is designed to give a student thorough grounding in fundamental engineering principles and their application to the various branches of civil engineering. After the first two years, during which all Engineering students pursue the same program, civil engineering students have an opportunity to take basic courses in the theory and design of structures, hydraulics, highway and sanitary engineering.

* On leave for war service.
The theoretical work of the classroom is supplemented by experimental work in
the hydraulic, materials testing, sanitary and structures laboratories. Courses in
aerodynamics, airplane structure and engineering mechanics are offered for any Engineering
student interested in these fields of study.

211. **Applied Mechanics I.** First semester. Three credits. Three class periods.
Prerequisite: Mathematics 203, which may be taken concurrently. Open to sophomores.
Sec. A—TThS1; B—TThS1; C—TThS3; D—TThS4; E—TThS4; F—TThS4.

De[artmental Staff.]

The fundamentals of statics, including the resolution and composition of forces,
et the equilibrium of force systems, the analysis of forces acting on structures and machines,
centroids, moment of inertia.

212. **Applied Mechanics II.** Second semester. Three credits. Three class periods.
Prerequisite: Civil Engineering 211 and Mathematics 203. Open to sophomores.
Sec. A—MWF1; B—MWF1; C—MWF2; D—MWF4; E—TThS1; F—

De[artmental Staff.]

A basic engineering course in dynamics, covering rectilinear and curvilinear motion,
translational, rotational, plane motion; work, energy and power; impulse and momentum.
The application of the principles of dynamics to engineering problems.

225. **Materials Testing Laboratory.** Either semester. One credit. One 3-hour
laboratory period. Prerequisite: Mechanical Engineering 206. First semester: Sec.
A—M6-8; B—W6-8; C—F6-8. Second semester: Sec. A—T6-8; B—Th6-8.

De[partmental Staff.]

Laboratory tests of engineering materials and the investigation of their behavior
under tension, compression, torsion, bending, impact. A study of standard specifications
and the methods of performing physical tests to conform to these.

226. **Concrete Testing Laboratory.** First semester. One credit. One 3-hour
laboratory period. Sec. A—T6-8; B—Th6-8.

De[partmental Staff.]

Laboratory tests of cement, concrete, sand, stone and road materials; the investigation
of the water-cement ratio theory and its application to designing concrete mixtures;
tests of reinforced concrete beams and columns.

230. **Theory Structures.** Second semester. Four credits. Three class periods
and one 3-hour computation period. Prerequisite: Civil Engineering 287. MWF3,

Mr. Gant or Mr. Hummel.

The stress analysis of structures by graphic and analytical methods; roof trusses
under dead and wind loads; railroad and highway bridges with dead loads and moving
loads; the use of influence lines; lateral bracing and portals.

229. **Design of Steel Structures.** First semester. Four credits. Three class periods
and one 3-hour drawing and computation period. Prerequisite: Civil Engineering 287. MWF4.

Mr. Castleman or Mr. Gant.

The design of steel members and connections; tension and compression members,
beams, plate girders, riveted and welded joints.

(This course was formerly number 231.)

232. **Reinforced Concrete Design.** First semester. Three credits. Three class
periods. Prerequisite: Civil Engineering 287. TThS2.

Mr. Castleman or Mr. Gant.

The principles of reinforced concrete design including rectangular beams, slabs,
T-beams, columns, footings, retaining walls and the application to the design of simple
buildings and bridges.

233. **Indeterminate Structures.** Second semester. Three credits. Three class
periods. Prerequisite: Civil Engineering 230. TThS2.

Mr. Castleman or Mr. Gant.

The analysis of continuous beams and rigid frames by classical methods and by
moment distribution; deflection of trusses; indeterminate trusses; cantilevers and
arches; wind stresses in tall buildings; space framework.
234. **Structural Design.** Second semester. Four credits. Three class periods and one 3-hour drawing and computation period. Prerequisite: Civil Engineering 231 and 232. MWF3, W6-8.  

Mr. Castlemam or Mr. Gant.  
The design of selected structures such as a mill building, office building, through riveted steel bridge truss, rigid frame bridge, gravity dams; investigation of foundations.

275. **Surveying.** Two weeks during the summer. Two credits. Required of all Engineering students and elective for others only with consent of instructor. Open to sophomores.  

Departmental Staff.  
The theory and practice of plane surveying, including the use and adjustment of instruments, errors in measurements, mapping methods, office computations.

277. **Route Surveying.** Four weeks during the summer. Four credits. Prerequisite: Civil Engineering 275.  

Departmental Staff.  
The methods of route surveying, calculation and layout of railroad and highway curves, setting slope stakes for cut and fill, calculation of earthwork quantities. A complete survey is made for a portion of a highway, including reconnaissance, preliminary and final location, cross-sectioning and construction plans. Precise leveling, triangulation and observations for meridian are included.

280. **Highway Engineering.** First semester. Three credits. Three class periods. MWF3.  

Departmental Staff.  
The economics, location, design, construction and maintenance of highways and city pavements; a study of highway materials, traffic surveys and traffic regulation; problems in design for modern traffic needs.

281. **Water Supply Engineering.** First semester. Four credits. Three class periods and one 3-hour computation period. Prerequisite: Civil Engineering 297. TThS3, F6-8.  

Mr. VanDriest or Mr. Grantham.  
The sources and development of water supplies; water resources; hydrology; reservoirs; supply and distribution systems; principles of the treatment of water; design problems.

282. **Sanitary Engineering.** Second semester. Four credits. Three class periods and one 3-hour computation period. Prerequisite: Civil Engineering 297. TThS3, Th6-8.  

Mr. Grantham or Mr. VanDriest.  
The design of sanitary sewers, storm drains and sewage collecting systems; principles of sewage treatment; design, construction and operation of treatment works; problems in design.

287. **Strength of Materials.** First semester. Three credits. Three class periods.  

Mr. Grantham.  
studying other herds.

288. **Dairy Cattle Judging.** First semester. Two credits. One week preceding the opening of the University in September and continuing into the first semester. Prerequisite: Dairy Industry 205. Hours by arrangement.  

Mr. Johnson.  

Departmental Staff.  
The determination of design load factors and load distribution, stress analysis of fuselage, landing gear and wing sections, design of beams, struts, continuous beam columns, analysis and design of fittings and allied details.

297. **Fluid Mechanics.** Second semester. Three credits. Three class periods. Prerequisite: Civil Engineering 212. Sec. A—MWF3; B—MWF4; C—TThS2; E—TThS3.  

Mr. Grantham, Mr. VanDriest.  
A fundamental course in the mechanics of fluids, including statics of fluids, dimensional analysis, the use of dimensionless variables in correlating fluid flow problems, metering, flow through pipes and channels, resistance of submerged bodies.

298. **Hydraulics Laboratory.** Second semester. One credit. One 3-hour laboratory period. Prerequisite: Civil Engineering 297, which may be taken concurrently.  

Sec. A—M6-8; B—W6-8.  

Mr. Grantham, Mr. VanDriest.
Laboratory tests and investigations of the flow of water through orifices, nozzles, weirs and pipes; calibration of measuring devices; experiments with turbines and pumps.

299. Aerodynamics. First semester. Three credits. Three class periods. Prerequisite: Civil Engineering 297. MWF1. Mr. VanDriest or Mr. Castleman.

A study of aerodynamic theory as related to airplane design: theory and properties of airfoils; propeller theory, calculation of airplane performance, stability characteristics of airplanes, Reynolds Number, and the analysis of wind tunnel data.


Presentation and discussion of advanced civil engineering problems.

320. Investigation of Special Topics. Semester by arrangement. Not to exceed four credits. Open only to seniors and graduate students in Civil Engineering. Hours by arrangement. Departmental Staff.

This course is offered for students wishing to do special work on individual topics under the direction of members of the departmental staff. The complete program of study is to be approved by the instructor before registration is completed.

341. Advanced Engineering Mechanics I. Semester by arrangement. Two credits. Two class periods. Prerequisite: Civil Engineering 287. Hours by arrangement. Mr. Castleman or Mr. Gant.

Elastic energy theory and classical methods of analysis; analysis of redundant frames and beams; combined bending and torsion, resilience; applied mathematical theory.

342. Advanced Engineering Mechanics II. Semester by arrangement. Two credits. Two class periods. Prerequisite: Civil Engineering 341. Hours by arrangement. Mr. Castleman or Mr. Gant.

Modern methods of analysis of redundant frames and beams; slope deflection; moment distribution and the column analogy; use of influence lines in analyzing superstatic frames and beams; applied mathematical theory.

385. Advanced Strength of Materials and Applied Elasticity I. Semester by arrangement. Two credits. Two class periods. Prerequisite: Civil Engineering 287. Hours by arrangement. Mr. Castleman or Mr. Gant.

Combined stresses; bending and torsion problems; curved bars; stresses in flat plates; stress concentrations; applied mathematical theory.

229. Design of Steel Structures. First semester. Four credits. Three class periods and one 3-hour drawing and computation period. Prerequisite: Civil Engineering 287. MWF4. Mr. Castleman or Mr. Gant.

The design of steel structures: material properties, experimental methods, applied mathematical theory.

394. Advanced Fluid Mechanics I. Semester by arrangement. Two credits. Two class periods. Prerequisite: Civil Engineering 297. Hours by arrangement. Mr. VanDriest or Mr. Grantham.

Equations of motion; principles of energy, continuity, momentum; the flow net; circulation and vorticity; irrotational motion, velocity potential and stream function; conformal mapping; elementary transformations; successive transformations; Kutta and Joukowski profiles; airfoil theory; applied mathematical theory.

395. Advanced Fluid Mechanics II. Semester by arrangement. Two credits. Two class periods. Prerequisite: Civil Engineering 394. Hours by arrangement. Mr. VanDriest or Mr. Grantham.

A continuation of Course 394. Dimensional analysis, fundamental equations of viscous flow, dissipation of energy, laminar flow, theory of lubrication, fluid turbulence, boundary layer, separation, drag of immersed bodies, flow in closed conduits, flow in open channels, applied mathematical theory.
DAIRY INDUSTRY

Professor G. C. White; Associate Professors E. O. Anderson, R. E. Johnson, A. I. Mann; Assistant Professors L. R. Dowd, J. C. Shaw; Instructors G. C. Graf, D. J. Hankinson.

The department offers two majors, one with emphasis in dairy products manufactures and the other in dairy production. In dairy products manufactures the following courses are recommended: 175, 201, 212, 215, 223, 225, 264, 310, 325 and 335; and in dairy production the following courses are recommended: 175, 205, 212, 215, 264, 282, 310, 321 and 330.

For students who desire a general course in dairying attention is called to Course 212. Course 215 is complementary to 212, with special emphasis on testing and analysis of milk.

175. Animal Nutrition. First semester. Three credits. Three class periods. Prerequisite: an elementary course in chemistry; Chemistry 120 recommended. Mr. White.

The principles of nutrition pertaining to animal life are stressed. Food nutrient requirements for maintenance, growth, reproduction, work, fattening and milk secretion are studied to enable the student to adjust himself to changing situations in the rationing of animals. Rations will be formulated for different classes of animals.


A course in judging milk, ice cream, butter and cheese, designed to train the student to recognize differences in quality and to help him understand the causes of variation in the flavor and appearance of these products.


Intensive training in dairy products judging is provided. Members of this class may become candidates for intercollegiate judging teams.

205. Dairy Cattle. Second semester. Four credits. Two class periods and two 2-hour laboratory periods. TTh2, TTh6-7. Mr. Johnson.

The history and development of the breeds of dairy cattle, and the physiology and anatomy of the dairy animal as related to milk secretion. The laboratory work provides training in judging, fitting, and showing animals. A field trip will be required for studying other herds.

208. Dairy Cattle Judging. First semester. Two credits. One week preceding the opening of the University in September and continuing into the first semester. Prerequisite: Dairy Industry 205. Hours by arrangement. Mr. Johnson.

This course provides intensive training in the judging of dairy cattle. Members of this class may become candidates for intercollegiate judging teams.

212. General Dairying. Second semester. Three credits. Two class periods and one 2-hour discussion or demonstration period. Open to sophomores. MW2, F2-3. Mr. White.

A course designed to give a general knowledge of dairy farming and of special factors influencing the production and marketing of dairy products in Connecticut and in the northeastern area.


Technical training in sampling and testing milk and milk products for fat and other constituents by standard methods, tests for quality and adulteration, standardization of milk and by-products, and analysis of detergents and disinfectants.

(This course was formerly number 211.)
223. **Butter, Cheese, Dry and Condensed Milk.** Second semester. Three credits. Two class periods and one 3-hour laboratory period. Prerequisite: Dairy Industry 215, which may be taken concurrently, Bacteriology 201 and 205 and Chemistry 120. MW4, T6-8.  
Mr. Dowd.  
This course will acquaint the student with the principles and practices involved in the manufacture of butter, cheese, and dried and condensed milk. Special attention will be given to methods used in manufacturing surplus milk in the state. A field trip may be required.

225. **Ice Cream Making.** First semester. Four credits. Two class periods and two 2-hour laboratory periods. Prerequisite: Dairy Industry 215, which may be taken concurrently, Bacteriology 201 and 205 and Chemistry 120. MW4, WF8-9.  
Mr. Dowd.  
A study of the fundamental principles and practices in ice cream manufacturing. A field trip will be required to study equipment, manufacturing and management.

264. **City Milk Supply.** First semester. Four credits. Two class periods and two 2-hour laboratory periods. Prerequisite: Dairy Industry 215, which may be taken concurrently, and Bacteriology 201 and 205. MW3 and laboratory by arrangement.  
Mr. Anderson.  
The fluid milk business from production on the farm to the consumer. Topics included are handling milk on the farm, milk grades and inspection, processing in dairy plants and quality control. Students who desire to study further into plant management should consult the instructor. A field trip may be required.

282. **Dairy Herd Management.** First semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Genetics 210 and Dairy Industry 175. TTh3, Th8-9.  
Mr. Johnson.  
A course dealing with dairy herd improvement and management, including the application of the principles of breeding, feeding and disease control, and a consideration of dairy barn construction and equipment.

300. **Independent Study in Dairy Products.** Either or both semesters. Credits and hours by arrangement.  
Mr. Anderson.

301. **Independent Study in Dairy Production.** Either or both semesters. Credits and hours by arrangement.  
Mr. White, Mr. Johnson, Mr. Mann.

304. **Research in Dairy Products.** Either or both semesters. Credits and hours by arrangement.  
Mr. Anderson.

305. **Research in Dairy Production.** Either or both semesters. Credits and hours by arrangement.  
Mr. White, Mr. Johnson, Mr. Mann, Mr. Shaw.

310. **Seminar.** Either or both semesters. One credit each semester. One 2-hour discussion period. Hours by arrangement.  
Departmental Staff.  
A course in which advanced students may augment their knowledge by means of conferences and reports from current and scientific literature.

321. **Dairy Cattle Breeding.** Second semester. Three credits. Two class periods and one 2-hour laboratory and discussion period. Prerequisite: Dairy Industry 282. Hours by arrangement.  
Mr. Johnson.  
An advanced course in the theory and application of genetics in breeding and milk production, including breeding systems and pedigree analysis, and the physiology of reproduction.

325. **Applied Dairy Science.** Second semester. Four credits. Two class periods and two 2-hour laboratory periods. Prerequisite: Dairy Industry 215 and Chemistry 121 or 240. WF1, WF8-9.  
Mr. Anderson.  
An advanced technical course dealing with the physics and chemistry of milk and milk products. Laboratory includes qualitative and quantitative tests employed in the technical control of dairy products.

330. **Milk Secretion.** First semester. Two credits. One class period and one 2-hour demonstration and discussion period. Open to advanced students with consent of instructor. T2 and laboratory by arrangement.  
Mr. Mann.
An advanced course dealing with the development of the mammary gland and the physiological factors affecting milk secretion.

335. Dairy Plant Management. Second semester. Three credits. Three class periods. Prerequisite: Dairy Industry 264 and Business Administration 131. MR. DOWD AND MR. ANDERSON.

This course deals with the organization, operation, and management of milk and ice cream plants. Complete responsibility for the management of the University creamery for one week is required of each student. Field trips may be required.

ECONOMICS

PROFESSORS A. E. WAUGH, W. H. CARTER, JR.; ASSISTANT PROFESSOR W. N. LEONARD,* INSTRUCTOR P. N. TAYLOR, A. P. BECKER.

The offerings of the Department of Economics are planned to serve the needs of three groups of students: first, those who wish to specialize in general economics within the arts and science framework; second, those in other fields who wish to obtain an elementary knowledge of economic principles and the organization and operation of the economic aspects of modern society; and third, those in Agricultural Economics and Business, who find in the offerings of the Department of Economics the general background material which is applied in their own fields. The offerings of the University within the general field of economics have been allotted to various departments, with the courses of a theoretical or general nature assigned to this department; specialized and applied courses in the agricultural aspects of economics are offered by the Department of Agricultural Economics, and specialized and applied courses in business economics are offered by the various departments of the School of Business Administration. Most students majoring in the Department of Economics will find it to their advantage to select, with the help of their major counselor, courses in at least two of these three groups. Major students in economics will be expected to demonstrate in their comprehensive examinations a thorough understanding of the principles of economics as well as reasonable competence in one or more applied fields.

The offerings of the Department of Economics can well be combined with those of other fields by students with certain kinds of vocational objectives. For example, work in economics combined with work in history and government gives a good pre-legal background. Students interested in the field of international relations can profitably combine offerings in this department with offerings in Government. Students in almost any scientific field may find it advisable to add the offerings in statistics to their major work elsewhere. A combination of courses from the fields of economics, sociology, and history may be selected by students who wish to enter the field of social work.

The department recognizes that each student's problem in selecting courses is an individual one, and endeavors to make available to each student through his major counselor all possible assistance in selecting that combination of courses which is best adapted to meet the student's objectives.


A survey of the economic development of American society, reviewing the economic factors which have influenced its growth. This course gives background for other courses in economics and also has independent value.

111. Principles of Economics. Either semester; summer, first term. Three credits. Three class periods. (Enrollment in the second semester is limited to 60 students.) MR. WAUGH, MR. CARTER, AND DEPARTMENTAL STAFF.

This is the first half of a year-course in principles of economics. The course is introduced by a consideration of the evolution, structure and functional elements of modern society. It is an elementary course in fundamental economic principles, economic methods of social analysis and the application of these principles and methods to the problems of modern economic society, production, consumption, the exchange system, value and distribution.

* On leave for war service.
112. **Principles of Economics.** Either semester; summer, second term. Three credits. Three class periods. Prerequisite: Economics 111. (Enrollment in the first semester is limited to 60 students.)

**Mr. Waugh, Mr. Carter, and Departmental Staff.**

This is the second half of a year-course in principles of economics. See Course 111.

200. **Economic Geography.** Second semester. Three credits. Three class periods. Open to sophomores. MWF4. **Mr. Carter.**

A study of the distribution of agricultural, industrial and commercial activities as affected by physical, economic and institutional factors, followed by an analysis of selected groups of commodities and of world trade relationships.

(This course was formerly Geography 200.)

201. **European Economic Institutions.** First semester. Three credits. Three class periods. Prerequisite: Economics 112. TThS3. **Mr. Leonard.**

A survey of the economic institutions of Europe from feudal times to the present. Special emphasis is given to the modern period, to the rise of commerce, industry and banking, the growth of population and the labor force, the position of agriculture, business fluctuations and current forms of economic organization.

208. **Current Economic Problems.** Second semester. Three credits. Three class periods. Prerequisite: Economics 112. Hours by arrangement. **Mr. Leonard.**

A course for the discussion of current economic problems which involve public or social policy.

211. **Economic Theory.** First semester. Three credits. Three class periods. Prerequisite: Economics 112. MWF2. **Mr. Carter.**

An intermediate course in theory, advised for all major students in economics. The course is introduced by a study of the nature, scope and methods of economics, and a brief survey of the development of economic thought. The major part of the course consists of study of the factors determining the prices of commodities and of agents of production (value and distribution theories) in the long run and in the short run, and under conditions of perfect and imperfect competition; and an analysis of the problem of full utilization of resources.

240. **Money and Banking.** First semester. Three credits. Three class periods. Prerequisite: Economics 112. MWF3. **Mr. Carter.**

This is a general course covering the nature of the monetary and banking systems and their relation to other parts of the economic structure. The course includes a study of the nature of money, monetary standards and systems, the development and operation of the banking system with emphasis on commercial banking and the Federal Reserve System, theories of the value of money, and the business cycle.


This course centers around the problems of economic instability and the functioning of the monetary mechanism. A discussion of the objectives of monetary policy, a survey of the development of monetary theory and an analysis of the nature of the business cycle and the chief theories of the cycle are followed by discussion of central bank policies, the monetary system, and governmental policies as they are related to the problem of economic stabilization.

242. **International Trade and Finance.** Second semester. Three credits. Three class periods. Prerequisite: Economics 112. TThS3. **Mr. Carter.**

A study of the economic aspects of international relations, including an analysis of the international balance of payments, the international movements of goods, gold and capital; foreign exchange; and commercial policies.

245. **Public Finance.** Second semester. Three credits. Three class periods. Prerequisite: Economics 112. MWF1. **Mr. Taylor.**

The functions of government in relation to public expenditure, the sources of public income and the administration of expenditure. Special consideration is given to
appraisal of various taxes and tax systems and of problems of public borrowing and
government credit.

260. **Elements of Statistics.** First semester. Three credits. Three class
periods. Open to sophomores. MWF1. Mr. Waugh.

This course introduces the student to the statistical methods used in research
generally throughout the sciences and furnishes him with a basis for carrying on research
and for interpreting the statistical results of others.

270. **Economics of Consumption.** First semester. Three credits. Three class
periods. Prerequisite: Economics 112. TThS2. Mr. Waugh.

This course presents material which gives the student a background for planning
the expenditure of his income and for understanding the relation between expenditure
habits and the economic order.

Prerequisite: Economics 112. Alternate years; to be given in 1944-45. TThS3.
Mr. Taylor.

This course explains the genesis and development of labor problems and move-
ments. It includes a consideration of trade unionism, some employment problems,
and labor legislation, and deals with their economic consequences to society.]

291. **Public Utilities.** First semester. Three credits. Three class periods.
Prerequisite: Economics 112. MWF1. Mr. Leonard.

A study of those industries which are deemed to be “affected with a public interest,”
with railroads as a special case. Consideration will be given to problems of regulation,
commissions, valuation and rate regulation, determination of rate schedules, security
control and intercorporate regulation, the relative advantages of private and public
ownership.

293. **Law and the Citizen.** First semester. Three credits. Three class periods.
Open to sophomores. MWF2. Mr. Leonard.

This course discusses those legal problems which are most frequently encountered
in the ordinary life of the citizen and gives the student a general, but not technical,
basis for understanding common situations of a legal nature.

294. **Government and Industry.** Second semester. Three credits. Three class
periods. Prerequisite: Economics 112, and Government 131 or 273. Government
275 is also recommended. MWF2. Mr. Leonard.

The theoretical background and practical applications of state policy towards
economic life. Attempts at control over business, commerce, labor and agriculture
by the various agencies of our federal government receive major attention; and an
effort is made to evaluate the successes and failures of government regulation and own-
ership.

300. **Independent Study in Economics.** Either or both semesters; summer,
either or both terms. Credits and hours by arrangement. Open only with consent of
instructor. **Departmental Staff.**

This course offers an opportunity for candidates for graduation with distinction
in economics to round out their training in specific fields, or for other advanced students
to investigate special topics not covered by the regular course offerings of the depart-
ment. Students registering for work in this course will ordinarily be expected to have
completed a reasonable amount of background work in the social sciences with better
than average grades.

301. **Research in Economics.** Either or both semesters; summer. Credits and
hours by arrangement. Open only with consent of instructor. **Departmental Staff.**

Students interested in carrying on original research projects should submit their
plans to some member of the departmental staff for approval before registering for this
course. Each student will be expected to assume complete responsibility for selecting
his project, but the work is to be carried on under the immediate supervision of the
department.
310. **History of Economic Thought.** Both semesters. Two credits each semester. One 2-hour class period. Prerequisite: Economics 112. M6-7.

Mr. Taylor.

A comparative and critical study of writings significant in the development of economic thought. Representatives of such schools as the following will be read and discussed: mercantilist, classical, critics of classical, historical, socialist, Austrian, neoclassical, mathematical, and institutional. Contemporary writers will be discussed in Economics 313.

313. **Current Economic Thought.** Both semesters. Two credits each semester. One 2-hour period. Prerequisite: Economics 211. Hours by arrangement.

Mr. Waugh.

A study of current ideas in economic theory, considering the treatment of the time concept, the determination of price under competitive and non-competitive conditions, and the adaptation of statistical and mathematical tools to problems of economic theory. The stress is laid on the interrelationship of the theories of production, distribution, consumption and exchange.

340. **Money and Banking Seminar.** Second semester. Credits and hours by arrangement. Prerequisite: Economics 240 and consent of instructor. Mr. Carter.

An advanced course for investigation and discussion of specific problems in banking policies, administration and structure.

342. **International Trade and Finance Seminar.** First semester. Credits and hours by arrangement. Prerequisite: Economics 242 and consent of instructor. Mr. Carter.

An advanced course for investigation and discussion of specific problems in international trade and finance from the viewpoint of the nation, as well as that of the importer and exporter.


Mr. Waugh.

A course for those who expect to make professional use of the statistical method or to interpret the results of advanced statistical analysis. It deals with the philosophy of the scientific method and develops the more refined and recent methods of analysis.

392. **Comparative Economic Systems.** Second semester. Three credits. Three class periods. Prerequisite: Economics 112. Open only to seniors and graduate students. Hours by arrangement.

Mr. Leonard.

A study of the ideological and historical foundations of capitalism, fascism, socialism and cooperation. Analysis of the economic and political institutions of countries representative of each type and their relations to American democracy.

EDUCATION

**Professors P. R. Brammell, C. B. Gentry, S. W. Price; Associate Professors Lillis L. Knappenberg, J. R. Gerberich, F. Couey, F. H. Ash, A. L. Knoelbauch; Assistant Professors Dorothy M. Leahy, W. T. Gruhn, W. J. Haggerty; Instructor D. E. Strom.**

Professor A. Croteau; Associate Professors J. O. Christian, Josephine Rogers, J. H. Jacobson;* Instructor Ruth Bosworth.

Students having a vocational interest in professional education should consult the statement under "School of Education" for suggestions before selecting individual courses and for course sequences. Those who intend to teach are advised to confer with the Dean of the School of Education to ascertain the requirements for registration in the School and for certification by the State Board of Education. Such consultation should occur early in the student's career. For undergraduate students, formal registration in the School will ordinarily be made during the second semester of the sophomore year.

* On leave for war service.
Education 202, 274 and 306 are designed with liberal and cultural as well as professional objectives. All other courses in education are directed specifically toward preparing students for professional work in schools. Any student having the announced prerequisites may register for courses in Education with the exception of the courses in supervised teaching. Students doing supervised teaching must enroll in the School of Education.

For additional courses in Education, see Music 362, 374; Psychology 236, 276.

202. Introduction to Education. Either semester; summer, first term. Three credits. Three class periods. Open to sophomores. Sec. A—MWF2; B—MWF3.  
Mr. Brammell.

An introductory course intended to make students generally appreciative of our educational development and organization and reasonably intelligent regarding present problems and trends in education. The course is not limited to prospective teachers, but tries at once to be exploratory for those who wish to know the scope and problems of education and preparatory, through the establishment of a background, for those who believe they want to enter the field.

Mr. Gruhn.

This course is planned for prospective secondary-school teachers and is designed to develop basic principles of method in relation to teaching in general and to specific subjects in the secondary schools. Pupil and teacher activity in learning and in directing learning are emphasized.

Mr. Gruhn.

This course is planned for prospective secondary-school teachers and principals. It includes the development of secondary education, the aims of the secondary school, the curriculum and its construction, the work and training of the teacher, recent practices and present trends in directing extra-curricular activities, and present problems and probable future trends in secondary education in general.

233. Educational Psychology. Either semester; summer, first term. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Psychology 131. Sec. A—TTh4, M6-7; B—TTh4, M3-9.  
Mr. Gerberich.

This course introduces the student to the problems and methods of educational psychology. Attention is given to the educational implications of recent research and trends in psychology, particularly with reference to the learning process and individual differences.

Mr. Gerberich.

An appraisal of the development and significance of educational measurements, with emphasis upon the uses and limitations of standardized tests, the construction and validation of classroom tests, and the methods of interpreting and using the results of testing. Considerable experience with actual testing material is included.

Mr. Gerberich.

This course deals with the computation and theory of basic measures of central tendency, variability and relationship; and considers such other issues as reliability of measures and of differences, derived scores and graphical methods. Attention will be given to the critical appraisal of research techniques and their appropriate uses in connection with testing, research, supervision, and administration.

253. Materials and Methods of Teaching, Agriculture. Both semesters. Three credits each semester. Three class periods. Prerequisite: Education 263. Hours by arrangement.  
Mr. Gentry.

Selection and organization of materials, and procedures in the teaching of agriculture on a vocational level.
255. Materials and Methods of Teaching, Home Economics. Second semester junior year. Three credits. Three class periods. Prerequisite: Education 202 and 233. Education 233 may be taken concurrently with this course. MWF8.

Miss Leahy.

A study of principles and curriculum involved in the teaching of home economics.


Miss Leahy.

Study of teaching procedures, methods, and techniques involved in the teaching of home economics.

263. Directed Observation in Secondary Schools. Two weeks immediately preceding the opening of the University in September. Two credits. Prerequisite: Education 202 and 233 and consent of instructor.

Mr. Gruhn and Departmental Staff.

This course gives prospective teachers an opportunity to see secondary school teachers and pupils in action, to observe and discuss with supervisors problems related to work in designated fields, and to explore the school from the standpoint of the requirements of good teaching. Each student observes in the subject field or fields in which he plans to become certified. It is recommended that students take this course before taking Education 361.

268. Directed Student Teaching, Home Economics. Four weeks. Either semester. Four credits. Prerequisite: Education 255, 256 and 263. Open only to students enrolled in the School of Education. Weeks by arrangement. Miss Leahy.

Student teaching of home economics in a selected secondary school and participation in directing other secondary school activities.

269. Directed Student Teaching, Agriculture. Four weeks. Either semester. Four credits. Prerequisite: First semester of Education 253. Open only to students enrolled in the School of Education. Weeks by arrangement. Mr. Gentry.

Student teaching of agriculture in a selected secondary school and participation in directing other secondary school activities.


Mr. Couey.

A general survey of the development of public education in the United States with a brief study of European movements which have directly influenced this development. The work will be closely related to the social, political and industrial forces which have shaped the policies of school administration and supervision, curricula, teacher preparation, and instruction. A study will be made of the educators who have influenced our thinking. The course should enable the student to interpret and evaluate present educational tendencies more intelligently.

300. Investigation of Special Topics in Education. Either semester; summer, second term. Credits and hours by arrangement. Open only with consent of instructor.

Departmental Staff.

Students requesting this course should have a significant background in education and should present to the instructor problems, well-defined and well laid out for investigation, which hold special interest for them and which will be pursued on the plane of advanced study.

306. Philosophy of Education. Second semester. Credits and hours by arrangement. Three class periods. Prerequisite: Education 202, or equivalent preparation, and consent of instructor.

Mr. Couey.

Critical investigation of the basic points of view in modern educational theory, including analysis of the philosophies of progressives and essentialists, of child-centered and society-centered programs, and of preparatory and terminal functions of the school. Intended for advanced students who desire to work out an integrated point of view with reference to the relationship of the school and other educational agencies to the developing individual and to changing society.
310. **Seminar in Education.** Either or both semesters; summer, first term. One or two credits by arrangement each semester. A two or three-hour session each week. Prerequisite: Education 214 and 224, or equivalent preparation, and consent of instructor. Hours by arrangement.

A problem course in which students and staff members present prepared reports and discuss in detail topics significant in the field of education. Each student is responsible not only for his own major contributions but also for well-thought-out reactions to the contributions of others. In general the work of the course will deal with problems pertinent in American education. Attention is given to the desirability of correlating the material in some of these closely related subjects.

355. **Materials and Methods of Teaching, Vocational Business Subjects.** Second semester. Credits and hours by arrangement. Prerequisite: Education 214, or equivalent, and consent of instructor. Students without teaching experience should plan to take this course prior to Education 361; however, the two courses may be taken concurrently.

This course is planned for prospective and in-service business teachers in the secondary schools. Attention is given to the problems related to the teaching of those occupations. Students used in guidance and the application of these to specific student problems, techniques of treatment, interviewing procedure, and assessment of instructional materials. Summer session.

325. **Principles of Curriculum Construction.** First semester. Credits and hours by arrangement. Prerequisite: Education 214 and 224, or equivalent preparation, and consent of instructor.

Study of the major issues involved in the development of school programs. Consideration is given to the objectives, content, and organization of elementary and secondary school curriculum programs, and to the principles and techniques for adjusting the curriculum to the child and to the community. Students make individual studies and critical reports of curriculum problems.

326. **Curriculum Laboratory.** Semester by arrangement; summer, first term. Credits and hours by arrangement. Prerequisite: Education 325, or equivalent preparation, and consent of instructor.

Open to teachers and administrators seeking practical solutions to curriculum problems in elementary and secondary schools. Reorganization of courses, reorientation of the program of studies, articulation of administrative units, and development of new materials are considered in relation to the local situation. Students make individual studies of their specific problems, and group studies of related problems.

327. **Seminar in Problems of the Junior High School Grades.** Semester by arrangement. Credits and hours by arrangement. Prerequisite: Education 214 and 224, or equivalent preparation, and consent of instructor.

This course is designed for principals and teachers in junior high schools, six-year high schools, and the seventh, eighth, and ninth grades under other types of organization. The laboratory approach is employed so that individuals or small groups may work on specific problems in the field. Particular attention will be given not only to the underlying philosophy, organization, and implementation of an effective program for the junior high school grades but to specific problems brought in by members of the class.

333. **Advanced Educational Psychology.** First semester. Credits and hours by arrangement. Prerequisite: Education 233 and consent of instructor.

An intensive and critical analysis of recent psychological research and theories having educational implications, with particular reference to learning, personality and individual differences, and pupil adjustment. Students will be expected to obtain, organize, and interpret experimental data on a few major issues.

This course is intended to help students with the study and interpretation of research materials in education, and to provide them with a background for the preparation of seminar reports. The selection and formulation of problems, sources of educational materials, the more common research techniques, and standards for the form of seminar reports.

342. Educational Tests and Measurements Laboratory. Semester by arrangement of home economics.

263. Directed Observation in Secondary Schools. Two weeks immediately preceding the opening of the University in September. Two credits. Prerequisite: Education 202 and 233 and consent of instructor. Mr. Gruhn and Departmental Staff.

This course gives prospective teachers an opportunity to see secondary school teachers and pupils in action, to observe and discuss with supervisors problems related to work in designated fields, and to explore the school from the standpoint of the requirements of good teaching. Each student observes in the subject field or fields in which he plans to become contributing to instruction of the various audio-visual aids, technical and administrative and mechanical problems involved, sources of aid, and the use of these aids. Students relate the generalizations to their own subject matter or administrative interests.

268. Directed Methods of Teaching, Physical Education. Second semester. Four credits. Prerequisite: Education 361; however, the two courses may be taken concurrently. Prerequisite: Physical Education 225, Zoology 111, and Education 214, or equivalent preparation, and consent of instructor. Mr. Christian, Miss Rogers.

For prospective and in-service physical education teachers in secondary schools. A study of the terminology and techniques of teaching physical education, with special reference to principles of selection and organization, grading, and progression of activities throughout the secondary school.

(This course was formerly Physical Education 350.)

351. Materials and Methods of Teaching, Modern Languages. Second semester. Credits and hours by arrangement. Students without teaching experience should plan to take this course prior to Education 361; however, the two courses may be taken concurrently. Prerequisite: Education 214, or equivalent preparation, and consent of instructor. Mr. Choteau and Departmental Staff.

A course for prospective and in-service teachers of French, German, and Spanish in secondary schools. The history, general principles, aims and objectives, content and methods of teaching modern languages in the secondary school. A study is also made of course organization, testing, significant contributions of research, laboratory equipment, classroom accessories, activities for language clubs, and other problems in teaching modern languages. The work is adapted to the needs of individual students under the supervision of departmental staff members. For prospective teachers, this course correlates with six weeks of full-time professional practice in the schools.

(This course was formerly French 356.)

353. Materials and Methods of Teaching, Pre-Flight Training. Semester by arrangement; summer, second term. Credits and hours by arrangement. Prerequisite: Education 214 and 224, or equivalent preparation, consent of instructor, and a satisfactory background in science and mathematics. Mr.

A course for the prospective and in-service teachers of mathematics and science in the secondary schools who will be teaching pre-flight training courses. Formation and evaluation of aims and objectives, and selection and organization of content. Students will be expected to become familiar with materials available in the field as well as with methods of procedure in the classroom. The class work will be organized to produce a practical course outline for pre-flight training in the secondary school.
354. Materials and Methods of Teaching, Pre-vocational Business Subjects. First semester. Credits and hours by arrangement. Prerequisite: Education 214, or equivalent preparation, and consent of instructor. Students without teaching experience should plan to take this course prior to Education 361; however, the two courses may be taken concurrently.

Mr. Ash, Miss Bosworth.

This course is planned for prospective and in-service business teachers in the secondary schools. Teaching of the basic business subjects usually offered during the early years of the high school program: junior business training, business arithmetic, business writing, elementary bookkeeping, elementary typewriting. Emphasis in these subjects is shifting from vocational values to general, social, and personal use values. Attention is given to the desirability of correlating the material in some of these closely related subjects.

355. Materials and Methods of Teaching, Vocational Business Subjects. Second semester. Credits and hours by arrangement. Prerequisite: Education 214, or equivalent, and consent of instructor. Students without teaching experience should plan to take this course prior to Education 361; however, the two courses may be taken concurrently.

Mr. Ash, Miss Bosworth.

This course is planned for prospective and in-service business teachers in the secondary schools. Attention is given to the problems related to the teaching of those business subjects in which the primary aim is the development of occupational skills: stenography, typewriting, machine clerical practice, advanced bookkeeping. Students may concentrate on one or two vocational business subjects in which they are particularly interested.

356. Seminar in the Teaching of Home Economics. Summer session. Three credits. Prerequisite: Education 268 or equivalent. (Not to be given summer 1943.) Hours by arrangement.

Miss Leahy.

This course is designed for home economics teachers and supervisors who are seeking solutions to practical problems encountered in their schools. Emphasis will be given to the recent developments in the teaching of home economics at all school levels. Individuals or small groups may work on specific problems in the field.

357. Materials and Methods of Teaching, Natural Sciences. Second semester. Credits and hours by arrangement. Students without teaching experience should plan to take this course prior to Education 361; however, the two courses may be taken concurrently. Prerequisite: Education 214, or equivalent preparation, and consent of instructor.

Mr. Gentry.

This course is planned for prospective and in-service teachers of general science, biology, chemistry, and physics in secondary schools. Evaluation of aims and objectives, selection and organization of content, the principles and methods of science teaching, and the research work which has been reported covering these and other topics. The individual study plan is followed to some extent, so that students may adapt the work to their particular needs. For prospective teachers this course correlates with six weeks of full-time professional practice in the schools.

358. Materials and Methods of Teaching, Social Studies. Either semester. Credits and hours by arrangement. Students without teaching experience should plan to take this course prior to Education 361; however, the two courses may be taken concurrently. Prerequisite: Education 214, or equivalent preparation, and consent of instructor.

Mr. Gruhn.

This course is planned for prospective and in-service social studies teachers in secondary schools. The function of the social studies in American secondary education is examined. Through study of changes in objectives and evolution of methods and materials, and through observation in schools, current good practice is determined. For prospective teachers this course correlates with six weeks of full-time professional practice in the schools.

359. Materials and Methods of Teaching, English. Either semester. Credits and hours by arrangement. Students without teaching experience should plan to take this course prior to Education 361; however, the two courses may be taken concurrently. Prerequisite: Education 214, or equivalent preparation, and consent of instructor.

Mr. Jacobson.
This course is planned for prospective and in-service secondary school teachers of of English composition or literature, or both. The function and aims of the teaching of English in the American secondary school are examined. Current good practice is determined from study of changes in objectives and evolution of materials and methods, and through observation or teaching in the schools. For prospective teachers, this course correlates with six weeks of full-time professional practice in the schools.

361. Supervised Teaching. Either semester. Credits and hours by arrangement. Open only to fifth-year students enrolled in the School of Education. It is recommended that students take Education 263 before taking this course. A course in special methods in the subject or field in which supervised teaching is done should precede or be taken concurrently with the supervised teaching. This course may not be used for credit toward the baccalaureate degree in this institution.

Mr. Gruhn and Departmental Staff.

Teaching in high schools or other schools of secondary grade or higher, supervised by a member of the staff of the Department of Education, in cooperation with special methods instructors for other departments. It is the policy of the department to extend its practice-teaching opportunity to a point sufficient to indicate adequately a student’s teaching ability and aptitude under actual and prolonged school conditions.

365. Seminar in Business Education. Semester by arrangement; summer, first term. Credits and hours by arrangement. Prerequisite: Education 214, or equivalent preparation, and consent of instructor.

Mr. Ash.

This course is planned primarily for in-service business teachers, and for supervisors who are seeking solutions to practical problems encountered in their schools. Basic principles, problems, and trends in business education, particularly in the program of the secondary school. Attention is given to training for various business occupations, to personal-use and consumer-economic courses, and to adjusting business education to war needs.

367. Seminar in the Teaching of Natural Sciences. Semester by arrangement; summer, first term. Credits and hours by arrangement. Prerequisite: Education 214, or equivalent preparation, and consent of instructor.

Mr. Gentry.

For teachers and supervisors in the physical or biological sciences who are seeking solutions to practical problems in their schools. The laboratory approach is used so that individuals or small groups may work on specific problems in their field. Through exchange of experience and study of the selection and effective use of current materials in natural science, basic concepts underlying the modern science program are evolved, with some attention to modification incident to the war situation.

368. Seminar in the Teaching of the Social Studies. Semester by arrangement; summer, first term. Credits and hours by arrangement. Prerequisite: Education 214, or equivalent, and consent of instructor.

Mr. Gruhn.

This course is designed for social studies teachers and supervisors who are seeking expanded background in the social studies and solutions to practical problems encountered in their schools. The laboratory approach is used so that individuals or small groups may work on specific problems in the field. Through exchange of experiences and study of the selection and effective use of current materials in the social studies, certain basic concepts underlying the modern social studies program are evolved.

369. Seminar in the Teaching of English. Semester by arrangement. Credits and hours by arrangement. Prerequisite: Education 214, or equivalent, and consent of instructor.

Mr. Jacobson.

This course is designed for English teachers and supervisors who are seeking expanded background in English and solutions to practical problems encountered in their schools. The laboratory approach is used so that individuals or small groups may work on specific problems in the field. Through exchange of experiences and study of the selection and effective use of current materials in English, certain basic concepts underlying the modern English program are evolved.

382. Public School Administration. Semester by arrangement. Credits and hours by arrangement. Prerequisite: Education 214 and 224, or equivalent preparation, and consent of instructor. Comparable background preparation in elementary education is required of students planning to become administrators in elementary schools.

Mr. Price.
An introductory study of the organization and administration of school systems—state, county, town and township, and district. The minimum aim of each student should be to become acquainted with the principal current problems and practices of school organization and administration in each of the typical administrative units; to gain some understanding of those problems and practices through a study of their origin and growth; to develop some critical and constructive judgment of principles and plans of procedure; and to acquire or intensify an interest in improvement of education through administration.

383. Organization and Administration of the Elementary School. Semester by arrangement; summer, second term. Credits and hours by arrangement. Prerequisite: Education 214 and 224, or equivalent preparation, and consent of instructor.

Mr. Knoblauch.

A study of current elementary school organization and administration; the efficient utilization of personnel, buildings and equipment in providing curricular and extra-curricular activities; and the relationship of the elementary school to other school units.

385. Organization and Administration of the Secondary School. Semester by arrangement; summer, second term. Credits and hours by arrangement. Prerequisite: Education 214 and 224, or equivalent preparation, and consent of instructor.

Mr. Knoblauch.

Types of secondary school organization; the internal organization of a modern high school; staff selection and relationships; the administration of curricula, schedules, records, and grading systems; and the relation of the high school to the elementary school, the college, and the state.

390. Public School Supervision. Semester by arrangement; summer, second term. Credits and hours by arrangement. Prerequisite: Education 214, 224, or equivalent preparation, and consent of instructor. Comparable background preparation in elementary education is required of students planning to become supervisors in elementary schools.

Mr. Price.

The nature and function of supervision in the public school. Supervision is considered as a means of improving learning through improved instruction, learning situations, and personnel relationships. Due consideration is given to the problem of evaluation, as it applies to learning and to the supervisory program itself.

392. Supervision of Instruction in the Elementary School. Semester by arrangement. Credits and hours by arrangement. Prerequisite: Education 214 and 224, or equivalent preparation, and consent of instructor.

Mr. Knoblauch.

The improvement of learning through improved means of instruction and teaching procedures. A better understanding of the problems of the classroom; the school and of the general principles underlying the public schools taken concurrently with Electrical Engineering 220 and 268. Sec. A—T6-8; B—W6-8.

394. Supervision of Instruction. Semester by arrangement. Credits and hours by arrangement. Theory of alternating current circuits and AC, or equivalent preparation, and consent of instructor.

The evaluation and improvement of motors are determined.

Mr. Price.

An understanding and use of program planning and development.

395. Public School Finance. Semester by arrangement. Credits and hours by arrangement. Prerequisite: Education 214, 224, or equivalent preparation, and consent of instructor.

Mr. Price.

A study of school finance of the United States, federal, state, and local. Major emphasis will be placed upon the relationship of the control to the support of education, the commonly approved methods of financing education, and the implications of a sound fiscal policy for the school and community.

396. Personnel Problems of the Teaching Staff. Semester by arrangement. Credits and hours by arrangement. Prerequisite: Education 214, 224, or equivalent preparation, and consent of instructor.

Mr. Price.

The aim of this course is to give to the student a concept of the mutual responsibilities, rights and relationships of teachers, administrators and supervisors. The
student is expected to be cognizant of the major problems and able to formulate a satisfactory solution. Through this course he should develop a professional attitude toward staff relationships and the solution of personnel problems in general.

397. **The Legal Basis of a Public School System.** Semester by arrangement. Credits and hours by arrangement. Prerequisite: Education 214, 224, or equivalent preparation, and consent of instructor.  

Mr. Knoblauch.

The purpose of the course is to provide the student with the knowledge of the constitutional and statutory provisions for a public school system. The course will deal with the origin and legal status of the local school unit; the nature of the office of school board member; the legal status of the teacher; the legal status of the administrative officers; the evolution of legal provisions for school support; the legal nature of capital expenditures; the centralizing tendencies in educational legislation as well as the changes needed in educational legislation.

398. **Institutional Interpretation.** Semester by arrangement. Credits and hours by arrangement. Prerequisite: Education 214, 224, or equivalent preparation, and consent of instructor.  

Mr. Knoblauch.

The purpose of the course is to equip the student with a knowledge of the policies and practices involved in the integration of community and institutional life. The course will stress the functions common to the task of interpreting the school to the public. Special emphasis will be given to the task of informing the many publics as to the aims, the problems, and the program of the educational enterprise in its local, state, and national phases.

**ELECTRICAL ENGINEERING**

Professor J. H. Lampe; Associate Professors E. A. Walker*, G. S. Timoshenko; Assistant Professors H. Sohon, P. H. Nelson; Instructor J. O. Burke, Jr.

Studies in electrical engineering begin in the third year. Certain courses in the freshman and sophomore years are arranged to give sound knowledge of underlying principles in preparation for electrical engineering. Courses in the third and fourth years give as wide a survey of the principles and practices of electrical engineering as may be safely attempted in an undergraduate program.

Laboratory work is an essential feature of the instruction and the laboratories are well-equipped for testing and investigation in electronics, telephone, radio, precision measurements, direct and alternating current machinery, illumination and electric power transmission. Especially interested seniors and graduate students are given opportunity, by instruction and experimental investigations, to extend their knowledge in a v chosen direction.

This course is designed for social studies studies. First semester. Three credits.  

Expanded background in the social studies an Mathematics 203. Sec. A—MTT#2; countered in their schools. The laboratory ap small groups may work on specific problems in riences and study of the selection and effective studies, certain basic concepts underlying the mod.  

Mr. Lampe and Staff. magnetic circuits and the principles machinery.

Second semester. Three credits.  

Three class periods. Prerequisite: Electrical Engineering 220. Sec. A—MW2T4; B—MW2T4; C—MWF2; D—MW2F4.  

Mr. Lampe and Staff.

This course deals with the fundamentals of alternating current theory and the principles of alternating current circuits. The principles and application of alternating current machinery are presented in brief.

222. **Electrical Engineering Principles III.** First semester. Three credits. Three class periods. Prerequisite: Electrical Engineering 221. MW3.  

Mr. Sohon, Mr. Timoshenko.

A theoretical and mathematical study of alternating current circuits under steady state and transient conditions. Single and polyphase power measurements in all types of circuits are emphasized. In the latter part of this course the theory of alternator is given in detail.

* On leave for war service.

Mr. Lampe, Mr. Sohon.

The theory of operation, equivalent circuits and calculation of the performance of the important types of alternating current machinery. In the latter part of the course a study is made of transmission line theory and operation.


Mr. Timoshenko.

The theory and practice of the important methods of precision measurements of electrical quantities for both continuous and alternating current circuit conditions. Modern types of indicating, integrating and recording instruments are discussed from theoretical and operating viewpoints. Electron tube theory and measuring circuits are included.

235. **Illumination Engineering.** First semester. Three credits. Three class periods. Prerequisite: Electrical Engineering 220. TThS1.

Mr. Timoshenko.


240. **Electronics.** First semester. Three credits. Three class periods. Prerequisite: Electrical Engineering 221. MWF4.

Mr. Nelson, Mr. Timoshenko.

A study of fundamental electron tube applications. Analysis of the basic circuits utilizing electron tubes constitutes an important part of the course.


Wire and radio communication systems and their fundamental components. Audio and radio frequency circuit theory, amplifiers, detectors, oscillators, and modulators are a few of the subjects included.

268. **Electrical Engineering Laboratory I.** First semester. One credit. One three-hour laboratory period. To be taken concurrently with Electrical Engineering 220. Prerequisite: Mathematics 204 and Physics 110. Sec. A—T6-8; B—W6-8; C—Th6-8; D—S2-4.

Departmental Staff.

Experimental work in the laboratory is arranged to give the student knowledge of the proper use of electrical measuring instruments, the application of fundamental measuring principles and determination of the performance characteristics of continuous current generators and motors.

269. **Electrical Engineering Laboratory II.** Second semester. One credit. One three-hour laboratory period. To be taken concurrently with Electrical Engineering 221. Prerequisite: Electrical Engineering 220 and 268. Sec. A—T6-8; B—W6-8; C—Th6-8; D—F6-8.

Departmental Staff.

Experimental study of the elementary theory of alternating current circuits and the simpler types of alternating current machinery. The operating characteristics of transformers, alternators and induction motors are determined.

270. **Electrical Engineering Laboratory III.** First semester. One credit. One three-hour laboratory period. To be taken concurrently with Electrical Engineering 222. Prerequisite: Electrical Engineering 221 and 269. Sec. A—W6-8; B—Th6-8.

Mr. Sohon.

Experimental work in the laboratory covers a detailed study of single and polyphase circuits. Special attention is given to circuit characteristics and power measurements. A complete experimental study of the transformer and the alternator is made in the latter part of the course.

271. **Electrical Engineering Laboratory IV.** Second semester. One credit. One three-hour laboratory period. To be taken concurrently with Electrical Engineering 223. Prerequisite: Electrical Engineering 222 and 270. Sec. A—Th6-8; B—F6-8.

Mr. Sohon.

Testing, performance and operation of alternating current machinery. Complete tests of synchronous motors, induction motors, rotary converters and special types of
motors, both single and polyphase, will be conducted. In addition, characteristics of switching equipment are studied.


Mr. Timoshenko, Mr. Burke.

Experimental work using continuous and alternating current methods of precision measurement. The coefficients and characteristics of important types of electron tubes are investigated. Experimental work dealing with the more important types of commercial indicating and recording instruments is included.


274. Electronics Laboratory. First semester. One credit. One three-hour laboratory. Prerequisite: Electrical Engineering 221. W6-8.

Mr. Nelson, Mr. Burke.

Laboratory investigation of circuits utilizing electron tubes, such as rectifiers, voltage and current amplifiers, detectors, and control circuits.


Mr. Nelson, Mr. Burke.

The fundamental characteristics of wire communication systems, high frequency circuits, oscillators, detectors, amplifiers, etc., are experimentally determined.


Presentation and discussion of advanced electrical engineering problems.

320. Investigation of Special Topics. Semester by arrangement. Not to exceed four credits. Open only to seniors and graduate students in electrical engineering. Hours by arrangement.

The course is designed primarily for students who wish to pursue a special and specific interest in the field of electrical engineering.

322. Electrical Power Transmission I. Semester by arrangement. Three credits. Three class periods. Prerequisite: Electrical Engineering 221 or consent of instructor. TThS2.

Mr. Lampe.

An advanced course dealing with the theory, construction and operation of a modern electric power system. Class work is a study of the principles and design of electrical transmission lines with reference to the theory of their regulation and performance and to their design as determined by economic principles.

323. Electrical Transients. Semester by arrangement. Three credits. Three class periods. Prerequisite: Electrical Engineering 222 and Mathematics 204. TThS3.

Mr. Sohon.

A study of electrical transients in linear networks by the operational methods of Heaviside, Berg, Bush and others. The latter part of the course is devoted to study of short circuits by the method of symmetrical components.

324. Electrical Power Transmission II. Semester by arrangement. Three credits. Three class periods. Prerequisite: Electrical Engineering 322 or consent of instructor. TThS3.

Mr. Lampe, Mr. Sohon.

A study of the equipment for electric power transmission commencing with a study of insulation and insulators. High voltage bushings, switches, transformers and lightning arresters are discussed. Lightning and coordination of protective devices are attacked by an analysis of traveling waves.
330. **Advanced Electrical Measurements.** Semester by arrangement. Three credits. Two class periods and one 3-hour laboratory period. Prerequisite: Electrical Engineering 222, 230 and 240. TTh1, F6-8. Mr. Timoshenko.

Application of electromagnetic theory to circuit parameter computations. The electromechanical coupling in various indicating instruments. Theory and tests of instrument transformers and selected topics in alternating current bridge measurements covering a wide range of frequencies.

345. **Ultra-High Frequency Techniques.** Semester by arrangement. Four credits. Three class periods and one three-hour laboratory period. Prerequisite: Electrical Engineering 230 and 240. Mr. Nelson, Mr. Burke.

Theoretical and experimental study of ultra-high frequency radio waves, antennas, transmission lines, UHF generators, and wave guides.


A study of the general case of relative motion between electrical and magnetic circuits, both in the transient and steady state. Special reference is made to modern power machinery and analysis of the newer types.

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**ENGLISH**

**Professors H. A. Seckerson, G. B. Saul; Associate Professors W. Tilley, M. Kessel, J. A. S. McPeek, R. Warnock, Jr., J. H. Jacobson;**

**Assistant Professors R. E. Will, H. J. Rockel; Instructors W. R. Clark, E. W. Manchester, N. F. Doubleday, E. W. Carlson, J. V. Emerson; Sarah T. Ramage; Assistant Instructor Ingeborg Greeff.**

W. Stemmons, University Editor; F. F. Atwood, Assistant University Editor

All freshmen will be examined in English composition. According to the results of this examination, they will be placed in the elementary course 103, or in the slightly more advanced course, 105 or 107. Students who take 103 will ordinarily follow it with 105 and 108, or with 107 and 109, unless they develop sufficient skill in writing to warrant their being excused from one of these courses.

Some of the courses in literature listed below are comprehensive period courses; while others, more restricted in scope, relate to individual writers or to specific types of literature. Although English major students, especially those who expect to teach, are advised to elect courses that will give them a general knowledge of the entire field (survey courses), they should not restrict their elections to any particular type of course. The more general and the more specific courses should balance each other.

Because of its fundamental character, English 221 is strongly recommended to major students. Furthermore, unless the student has studied English history, he should, if possible, include History 261 and 262 among his related courses.

In the courses that follow, the department has tried to provide not only for its major students, but also for those who wish to study English for the sake of general culture.

For the convenience of the student, the courses may be grouped by number according to the general subjects to which they relate: English Composition—103, 105, 107, 108, 109, 110, 240; Survey and Period Courses—112, 113, 200, 203, 205, 206, 209, 209X, 211, 212, 212X, 233, 233X, 270, 270X, 271, 314, 317, 324; Literary Types and Individual Writers—106, 204, 214, 215, 216, 225, 230, 236; English Language—221, 225, 312; Speech and Dramatics—121, 124, 151, 253; Special Topics 300, 310.

103. **English Composition.** First semester. Three credits. Three class periods. Required of freshmen who are not placed by test in Course 105 or 107.

**Departmental Staff.**

An elementary course in English expression in which such fundamental subjects as grammar, sentence structure and the paragraph will receive chief consideration.

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* On leave for war service.
105. **English Composition.** Either semester; summer, either term. Three credits. Three class periods. This course and English 107 may not both be taken for credit. **Departmental Staff.**

A study of the principles of correct and effective expression by means of lectures, recitations, weekly themes, analysis and discussion of typical prose selections, collateral reading.

Number 108 is a continuation of this course.

106. **Introduction to Literature.** Either semester; summer, second term. Three credits. Three class periods. **Departmental Staff.**

This course aims to develop the student's power to appreciate and enjoy the best literature. With this end in view, many selections from the more important types of both poetry and prose will be read and discussed.

107. **Rhetoric and Composition.** First semester. Three credits. Three class periods. This course and English 105 may not both be taken for credit. **Departmental Staff.**

A course designed to improve the reading and writing abilities of students through the use of Basic English as an instrument. At the beginning of the course the student will be required to get a working knowledge of the Basic system, which will be used frequently for intensive analysis of writing in a number of fields of thought. Writing both in Basic English and in complete English will be assigned.

Number 109 is a continuation of this course.

108. **English Composition.** Either semester; summer, second term. Three credits. Three class periods. Prerequisite: English 105 or 107. This course and English 109 may not both be taken for credit. **Departmental Staff.**

This course is a continuation of number 105, but may also be taken by those who have completed number 107.

109. **Rhetoric and Composition.** Second semester. Three credits. Three class periods. Prerequisite: English 107. This course and English 108 may not both be taken for credit. **Departmental Staff.**

This course is a continuation of number 107.

110. **News Writing.** Either semester. Two credits. Two class periods. MR. STEMMONS, MR. ATWOOD.

A course in the theory and practice of modern news and feature writing. Chief attention will be paid to the structure of the news story, after a preliminary study of news values and interviewing.

112. **World Literature to Dante.** First semester; summer, first term. Three credits. Three class periods. Not open to freshmen. MR. WARNOCK.

This course and English 113 offer a comparative study of European literatures from ancient times to the present day, presented through lectures and the reading and discussion of masterpieces in translation. English 112 will consider ancient and medieval literature through Dante.

113. **World Literature since Dante.** Second semester. Three credits. Three class periods. Not open to freshmen. MR. WARNOCK.

This course covers world literature of the Renaissance and modern periods.

121. **Play Production.** First semester. Two credits. One 2-hour class period. Not open to freshmen. MR. WILL.

The fundamentals of play production. Lectures and class discussion, supplemented by experience in the actual production of a play before the Christmas holidays. Preparation for the play will require considerable extra time for each student for about three weeks before the production date.

124. **The Evolution of the Theater.** Second semester. Two credits. Two class periods. MR. SECKERSON.

A survey of the theatric art from the sixth century B.C. to the present.
151. **Fundamentals of Speech.** First semester. Two credits. One 2-hour class period and frequent conferences. 

Realization of content and communication of thought in reading; and the acquisition of good speech habits. The content of this course will be adjusted to meet individual and group needs.

(This course was formerly number 251.)

200. **Survey of English Literature.** Both semesters. Three credits each semester. Three class periods. Open to sophomores. Not open to students who have taken English 200X. MWF3.  

Mr. Tilley.

A comprehensive survey of literary development in England and a study of the forces and influences by which it has been determined. This course is a valuable preparation for further literary study and should be taken by all students with a major in English.

200X. **Survey of English Literature.** Summer session. Three credits. Not open to students who have taken either semester of English 200. 

Mr. Clark.

A less extensive treatment of the material included in Course 200.

203. **The Seventeenth Century.** First semester. Three credits. Three class periods. TTthS2.  

Mr. Kessel.

This course is chiefly a study of the seventeenth century lyric poets, including Jonson, Donne, Herrick, Carew, Suckling, Lovelace, Herbert, Crashaw, Vaughan, Cowley and Waller. The lyric verse of Milton is also considered.

204. **Milton.** Second semester. Three credits. Three class periods. Alternate years; to be given in 1943-44. TTthS1.  

Mr. Kessel.

A study of the lyric, epic, and dramatic poetry of Milton, with some consideration of his prose writing.

205. **The Eighteenth Century.** Second semester; summer, first term. Three credits. Three class periods. MWF2.  

Mr. Warnock.

A study of the Classical Movement in English verse and prose from the Restoration playwrights through Dryden, Pope and their contemporaries to Dr. Johnson’s circle. The Pre-Romantic poets and eighteenth century novelists, being considered in other courses, are not included here.


Mr. Kessel.

A study of some of the important writers of the Romantic period, including Wordsworth, Coleridge, Byron, Shelley and Keats.

209. **Victorian Literature.** Either or both semesters. Three credits each semester. Three class periods. Not open to students who have taken English 209X. Alternate years; to be given in 1944-45. MWF1.  

Mr. Seckerson.

A study of the social, political, and intellectual influences reflected in the literature of the Victorian Age. Both the poetry and the prose of the period will be studied, with particular attention to such major poets as Tennyson, Browning, Arnold, and Rossetti.

209X. **Victorian Literature.** Summer session, first term. Three credits. Three class periods. Not open to students who have taken either semester of 209. Hours by arrangement.  

Mr. Seckerson.

A less extensive treatment of the material included in Course 209.

211. **Contemporary Poetry.** First semester. Three credits. Three class periods. MWF3.  

Mr. Saul.

Lectures on post-Victorian poetry (English, Anglo-Celtic, and American), its movements and phenomena.

212. **Contemporary Literature.** Summer session. Three credits. Three class periods. Not open to students who have taken English 212X. Hours by arrangement. (Not to be given summer 1943.)  

Mr. Saul.

Lectures, primarily analytical and critical, on the nature and general history of post-Victorian literature, with stress on the major figures in verse, fiction, and drama.
Student papers and readings are assigned, so far as possible, with regard to areas of individual interest.

212X. **Contemporary Literature.** Extension. Two credits. Two class periods. Not open to students who have taken English 212. Hours by arrangement. **Mr. Saul.**

A less extensive treatment of the material included in Course 212.

214. **The Development of the Novel.** First semester. Three credits. Three class periods. Alternate years; to be given in 1943-44. MWF2. **Mr. Warnock.**

Lectures on the history of English prose fiction from its beginnings in the late seventeenth century through the Victorian era.

[215. **The Contemporary Novel. English and Anglo-Celtic.** Second semester. Three credits. Three class periods. Alternate years; to be given in 1944-45. TThS2. **Mr. Saul.**

Lectures and reports on outstanding novelists, beginning with Meredith and Hardy.]

216. **The Short Story.** First semester. Three credits. Three class periods. Alternate years; to be given in 1943-44. TThS1. **Mr. Saul.**

Lectures and discussions. A survey of historical development, with emphasis on the contemporary.

221. **History of the English Language.** Second semester. Three credits. Three class periods. MWF3. **Mr. McPeek.**

A study of the origin of the English language and its development through the Old and Middle English dialects to the standard usage of the present. This course should be taken by all students with a major in English.

225. **Chaucer.** Second semester. Three credits. Three class periods. Alternate years; to be given in 1943-44. TThS2. **Mr. McPeek.**

A study of the works of Chaucer, with emphasis on the Canterbury Tales, and such attention to the Middle English language as is necessary to an understanding of the text.

230. **Shakespeare.** First semester. Three credits. Three class periods. MWF2. **Mr. Seckerson.**

An intensive study of selected plays and a rapid reading of others. The course will include some consideration of the personal, social, and artistic backgrounds of Shakespeare's work.

233. **Elizabethan Drama Exclusive of Shakespeare.** Either or both semesters. Two credits each semester. Two class periods. Alternate years; to be given in 1943-44. Not open to students who have taken English 233X. TTh3. **Mr. Rockel.**

The first semester of this course will be devoted to a study of the beginnings of English drama and its development to 1603. The more important plays of Marlowe, Kyd, Greene, Heywood, Middleton and others will be read. In the second semester the class will study the post-Elizabethan drama to 1642 and will read the more important plays of Beaumont and Fletcher, Ben Jonson, Dekker, Webster, Massinger and others. Such topics as Elizabethan London, the court theatre, drama in the schools, government regulation of the theatre, the London theatres in Shakespeare's time, Elizabethan methods of play production will be considered during the year.

[233X. **Elizabethan Drama Exclusive of Shakespeare.** Summer session. Three credits. Three class periods. Not open to students who have taken English 233. Hours by arrangement. (Not to be given summer 1943.) **Mr. Rockel.**

This course is a survey of English drama from the beginnings until 1642. The plays of Marlowe, Kyd, Greene, Dekker, Middleton, Ben Jonson, Beaumont and Fletcher, Webster, Massinger and others will be studied. The social and artistic background of Elizabethan drama will also be considered.]

236. **Recent English and American Drama.** Second semester; summer, first term. Three credits. Three class periods. Not open to students who have taken English 236X. MWF4. **Mr. Seckerson.**
A study of the technique of the drama and the present tendencies of the stage. The most important English and American plays of the past thirty-five years will be read and discussed. The course aims to help the student to an intelligent appreciation of good drama.

236X. Recent English and American Drama. Extension. Two credits. Two class periods. Not open to students who have taken English 236. Hours by arrangement. Mr. Seckerson.

A less extensive treatment of the material included in Course 236.

240. Advanced Course in Writing. Either or both semesters. Three credits each semester. Three class periods. Open only with consent of instructor. TThS3. Mr. McPeek.

This course is intended for specially qualified students who are interested in writing. Though the student may be asked to practice composition in several forms, he will be permitted to devote much of his time to the form for which he shows particular liking and aptitude.

253. Public Speaking. Second semester. Two credits. One 2-hour class period and frequent conferences. Open to sophomores. Sec. A—M6-7; B—F6-7. Mr. Will.

The basic attributes and fundamental processes of speech studied through practice and the presentation of original speeches.

270. American Literature. First semester. Two credits. Two class periods. Not open to students who have taken English 270X. TTh4. Mr. Tilley.

A study of the major literary figures in the United States to 1865.

271. American Literature. Second semester. Two credits. Two class periods. Not open to students who have taken English 270X. TTh4. Mr. Tilley.

A continuation of Course 270. Special emphasis will be given to the prose rather than the poetry of the twentieth century, as the poetry of this period is covered in English 211.

[270X. American Literature. Summer session. Three credits. Three class periods. Not open to students who have taken English 270 or 271. Hours by arrangement. (Not to be given summer 1943.) Mr. Tilley.

An intensive study and class discussion of some of the works of Poe, Hawthorne, Emerson, Thoreau, Whitman, and Mark Twain, with additional outside reading of other American writers.]

300. Investigation of Special Topics. Either or both semesters; summer, first term. Prerequisite: 12 credits in English 200-courses and consent of instructor. Departmental Staff.

A special problem course for advanced students.

310. Seminar. Second semester; summer, first term. One to three credits. Prerequisite: 12 credits in English 200-courses and consent of instructor. Hours by arrangement. Departmental Staff.

This course is intended for advanced students of marked ability. The instructor of the course, as well as the content, will vary from year to year.

312. Old English. First semester. Three credits. Three class periods. Alternate years; to be given in 1943-44. MWF4. Mr. McPeek.

A study of Old English grammar, the reading of selections of simple prose and verse, and a brief survey of the literature in England before the Norman Conquest.

[314. Medieval Literature. First semester. Three credits. Three class periods. Prerequisite: 12 credits in English 200-courses and consent of instructor. Alternate years; to be given in 1944-45. Hours by arrangement. Mr. Saul.

A study of types and backgrounds, involving a consideration (with analysis of relevant scholarly opinion) of chanson de geste, romances, mabinogion chronicles, "framed tales," Goliardic verse, Breton lais, saints' legends, beast fables, fabliaux, exempla, etc.]

The social and literary ideas of the Renaissance as reflected in the works of Sidney, Spenser, Bacon and other writers, including the non-dramatic poetry of Shakespeare and Jonson.]

[324. Studies in American Literature. First semester. Three credits. Three class periods. Prerequisite: 12 credits in English 200-courses including 270 and 271, and consent of instructor. Alternate years; to be given in 1944-45. TThS1. Mr. Tilley.

This course is designed for those students who desire further training in American literature.]

FOREIGN LANGUAGES

Professor A. Croteau; Associate Professors H. Arjona, T. Siegel; Assistant Professor J. Brown, Jr.; Instructor G. Hilton; Assistant Instructor Sophie L. Gianninoto

The Foreign Language Department offers courses in French, German, Italian and Spanish, with facilities for a major in French, German or Spanish, or in any combination of languages approved by the department. It is the aim of the department to give the student a cultural appreciation of the literature and civilization of a country through a study of its language, as well as an adequate working knowledge of the language for purposes of research, teaching in the secondary school, conversation and in other connections. In addition to the regular course work, students engage in such activities as the production of plays, broadcasting, recording of pronunciation, and study of foreign films.

The successful completion of French 102, German 112, German 116, or Spanish 122 satisfies the reading knowledge requirement specified in certain curricula.

FRENCH


Much stress is laid, through the entire course, on correct pronunciation, with a view to imparting eventually not only a reading knowledge of French, but also the ability to use orally a certain number of current words, idiomatic expressions and grammatical forms selected from standard lists. When feasible, students will meet in laboratory sections for further practice in the oral use of the language.

102. Second Course. Both semesters. Three credits each semester. Three class periods. Prerequisite: French 101 or two years of French in high school, or equivalent. Mr. Croteau, Mr. Brown.

This course stresses the development of an extensive passive vocabulary based upon official frequency word counts, and the application of such vocabulary, of idiomatic expressions and grammatical forms to the reading of many stories. Laboratory work will be offered when needed for corrective work in pronunciation and practice in conversation.

203. A Survey of French Literature and Civilization. Both semesters. Three credits each semester. Three class periods. Prerequisite: French 102 or three years of French in high school, or equivalent. Sec. A—MWF3; B—MWF4; C—TThS2. Mr. Croteau.

Fluency in the oral use of the language and direct reading are emphasized. The readings are selected to acquaint the student with the principal works of outstanding authors and to afford a survey of the high spots of French literature and civilization. When needed, much corrective work in pronunciation is done in class and in conferences. French newspapers are read and serve partly as a basis for conversation and the acquisition of a current vocabulary.
204. French Literature: Middle Ages to End of Eighteenth Century. Both semesters. Three credits each semester. Three class periods. Prerequisite: French 203. Alternate years; to be given in 1943-44. MWF2. Mr. Choteau.

A study of the main literary movements from the beginnings of French literature to the end of the eighteenth century, with extensive readings from the principal authors.

205. French Literature: Nineteenth and Twentieth Centuries. Both semesters. Three credits each semester. Three class periods. Prerequisite: French 203. Alternate years; to be given in 1944-45. MWF2. Mr. Choteau.

A study of the romantic, the realist, the naturalist and the symbolist movements, as well as the Parnasse, the Théâtre Libre and the contemporary novel, drama and poetry.

209. French Civilization. Both semesters. Three credits each semester. Three class periods. Prerequisite: French 203. Alternate years; to be given in 1943-44. TThS4. Mr. Brown.

A study of the institutions of France, its arts and letters, its people and the human geography of the country. Discussions in class are encouraged not only for the sake of subject matter but also for self-expression and the acquisition of fluency in oral use of the language.


Study of historical grammar, stylistics, synonyms and antonyms with the translation into French of increasingly difficult English texts as a practical application. Phonetics are studied from both the theoretical and practical points of view, with especial emphasis on the proper grouping of words, accentuation and intonation. The finer points of diction are acquired either through imitation of the recorded readings of great artists of the modern stage or through individual participation in class work or dramatic presentations.

307. Problems in French Civilization. Either semester; summer, first term. Credits and hours by arrangement. Prerequisite: French 204 or 205, and 209 or 255. Mr. Choteau, Mr. Brown.

Special problems in the study of the institutions of France, its arts and letters; a study of basic problems, for French majors who plan to enter the Intelligence or Diplomatic Services.


This course is designed as a survey of the literary trends in France since the beginning of the twentieth century, with special attention to the novel. The readings will be selected from the works of such authors as André Gide, Marcel Proust, Paul Claudel, Jules Romains, Romain Rolland, André Maurois, Georges Duhamel, Edouard Estamnié and François Mauriac. Collateral reading. Book reports.

358. French Drama from the Théâtre Libre to the Present Day. First semester; summer, first term. Three credits. Three class periods. Open to graduates and advanced undergraduates with consent of instructor. Alternate years; to be given in 1944-45. Hours by arrangement. Mr. Brown.

A study of the works of representative authors—Becque, Rostand, Curel, Hervieu, Brieux, Lavedan, etc. Particular attention is given to the outstanding modern French dramatist, François de Curel. His intellectual and philosophical evolution is studied in its relation to current social, political and literary trends, and to contemporary authors. Constant reference is made to parallel dramatic development in other literatures.

(This course was formerly number 308.)

A comprehensive study of the development of French sounds from the sounds of spoken Latin. Contributions of Old French to English vocabulary. Reading of representative Old French texts: la Chanson de Roland, Chretien de Troyes, Aucassin et Nicolette.]
(The course was formerly number 309.)

**GERMAN**

111. **First Course.** Both semesters; summer, both terms. Three credits each semester. Three class periods. Mr. Siegel.

This course is planned to impart the beginnings of a reading knowledge and foster ear training and spontaneity in using orally a serviceable vocabulary, current idiomatic expressions and the basic grammatical forms.

112. **Second Course.** Both semesters. Three credits each semester. Three class periods. Prerequisite: German 111 or two years of German in high school, or equivalent. Mr. Siegel.

This course is conducted in much the same way as German 111, to impart in proper proportions both oral ability and habits of direct reading. The passive and active vocabularies are built along with grammatical review drills and a further study of syntax.

116. **Scientific German.** Second semester; summer, first term. Three credits. Three class periods. Prerequisite: One semester of German 112, or equivalent, and consent of instructor. Mr. Siegel.

A general scientific vocabulary is at first presented by means of graded texts, to enable the students to branch out as soon as possible into any one science or into special problems of research and investigation.

213. **A Survey of German Literature and Civilization.** Both semesters. Three credits each semester. Three class periods. Prerequisite: German 112 or 116 or three years of German in high school, or equivalent. TThS1. Mr. Siegel.

Much oral work is done in this course by imitation of phonograph records, use of wall charts and questioning on assigned readings. The readings are selected to acquaint the student with German civilization and with the main currents of German literature.

214. **German Drama.** Both semesters. Three credits each semester. Three class periods. Prerequisite: German 213. Alternate years; to be given in 1944-45. MWF2. Mr. Siegel.

This course presents the main currents of the German drama and acquaints the student with some of the masterpieces from Lessing to the present time. Works of Lessing, Goethe, Schiller, Kleist, Hebbel, Grillparzer, Hauptmann, Sudermann, etc., are read.

215. **German Prose and Poetry.** Both semesters. Three credits each semester. Three class periods. Prerequisite: German 213. Alternate years; to be given in 1943-44. MWF2. Mr. Siegel.

This course is intended to acquaint the student with German thought and philosophy as revealed through study of the main periods and schools of German literature and the lives and works of the characteristic authors. Goethe, Schiller, Lessing, Heine, Uhland, Meyer and Keller receive particular attention.

317. **Problems in German Civilization.** Both semesters. Credits and hours by arrangement. Prerequisite: German 214 or 215. Mr. Siegel.

Special problems in the study of the institutions of Germany, its people, arts and letters.

**ITALIAN**

141. **First Course.** Both semesters. Three credits each semester. Three class periods. Mr. Hilton.

The essential elements of grammar are studied, and a passive vocabulary is developed in order to permit early reading of selections of general interest. Much attention is paid to the correct pronunciation of Italian words and to their proper grouping and accentuation in ordinary sentences.
121. **First Course.** Both semesters; summer, both terms. Three credits each semester. Three class periods.  
Mr. Arjona, Mr. Hilton.

The aim of this course is to impart not only a reading ability but also a command of spoken Spanish. Much attention is given to the correct pronunciation of Spanish words and to their proper grouping and accentuation in sentences. Grammar is presented in the form of assimilation exercises. Current events may influence the selection of readings and topics for conversation; sections may be assigned for the reading of specialized texts in either economics, history, warfare, or arts, customs and diplomacy.

122. **Second Course.** Both semesters; summer, both terms. Three credits each semester. Three class periods. Prerequisite: Spanish 121 or two years of Spanish in high school.  
Mr. Arjona.

This course is devoted to imparting a practical speaking knowledge of Spanish, as well as mastery of idioms and expressions to be used in travel, business, the study of literature, arts and customs, diplomacy and intelligence service, according to the interests of the students.

224. **Classical Spanish Literature.** Both semesters; summer, first term. Three credits each semester. Three class periods. Prerequisite: Spanish 122 or three years of Spanish in high school. Alternate years; to be given in 1943-44. Hours by arrangement.  
Mr. Arjona.

This course is devoted to a survey of the important literary features of each century, from the thirteenth through the seventeenth: The theater of the Golden Age, the picaresque, chivalric and pastoral novels, lyric poetry and mysticism. Among the authors and works receiving special attention are El Poema del Cid, Ballads, Santa Teresa, Lope de Vega, Calderón, Tirso de Molina, Alarcón, Rojas, Cervantes, etc.

[225. **Modern Spanish Literature.** Both semesters. Three credits each semester. Three class periods. Prerequisite: Spanish 122 or three years of Spanish in high school. Alternate years; to be given in 1944-45. Hours by arrangement.  
Mr. Arjona.

This course is devoted to the study of the main currents of the eighteenth, nineteenth and twentieth centuries: The romantic and naturalistic movements, the contemporary drama and novel. Authors receiving special attention are Moratin, El padre Isla, Zorrilla, Galdós, Blasco Ibáñez, Martínez Sierra, Unamuno, Rubén Darío.]

226. **A Survey of Spanish Literature and Civilization.** First semester; summer, first term. Three credits. Three class periods. Prerequisite: Spanish 122 or three years of Spanish in high school. THThS2.  
Mr. Hilton.

The readings in this course include the masters of the Golden Age and the modern epoch of Spanish literature, the main trends of the civilization of Spain, past and present, and the literature and civilization of Latin America. Emphasis is also laid on further acquisition of the Spanish language.

227. **Commercial Spanish.** Second semester. Three credits. Three class periods. Prerequisite: Spanish 122 or three years of Spanish in high school. THThS2.  
Mr. Hilton.

Writing of business letters, reports and advertisements forms the basis of this course. The readings and conversation bear on the geography, history and economic and intellectual life of Latin America.

228. **Spanish Conversation and Composition.** Either semester; summer, first term. Three credits. Three class periods. Prerequisite: Spanish 122. MWF.

Mr. Arjona.

The course is intended to afford further practice in fluent and idiomatic oral and written use of the language. The subject matter and texts vary according to the needs and interest of the students.

327. **Problems in Spanish Civilization.** Either semester; summer, second term. Credits and hours by arrangement. Prerequisite: Spanish 224 or 225.  
Mr. Arjona.

Special problems in the study of the institutions, arts and letters of Spain and the Latin American countries.
FOREST AND WILDLIFE MANAGEMENT.

Professor ————; Associate Professor N. W. Hosley

The courses offered provide a foundation in either forestry or wildlife management but do not complete a full professional training in these fields. Those preparing for a career as professional foresters should usually plan to take additional work in a graduate school. Attention of students whose major is in forestry is called to the following courses: Agricultural Engineering 230, Botany 280, Entomology 152, Civil Engineering 275 and Zoology 252. For a major in wildlife, to the following: Forestry 205, 206 and 246, Geography 250, Entomology 152, Zoology 227 and 228, and Animal Diseases 230. The basic science courses in the agricultural curriculum are essential in preparation for the courses in wildlife.

FORESTRY

203. Dendrology. Second semester. Three credits. Two class periods and one 2-hour laboratory period. Open to sophomores. TTh4, M6-7.

A study of the tree species which make up the forests of the United States, their growth, characteristics, distribution, identification and economic importance. The field work will be in the identification of local woody flora.

205. Silvics. Second semester. Four credits. Two class periods and two 3-hour laboratory periods. Prerequisite: Botany 292. TTh2, WF6-8.

A study of the life history of the forest, the site factors and the reaction of forests to sites and sites to forests. Artificial and natural regeneration of forests is considered.

206. Silviculture. First semester. Four credits. Two class periods and two 3-hour laboratory periods. Prerequisite: Forestry 205. TTh3, TTh6-8.

The application of the laws of silvics to care for the forest, with consideration of the regional needs of the forests of the United States.

[210. Logging and Lumbering. First semester. Three credits. Three class periods. Alternate years; to be given in 1944-45. TThS1.

This course is planned to give the student an idea of the forest resources of the world, the development and importance of the lumber industry in the United States, the modern method of harvesting the forest crop, mill practice, dry kiln operation, lumber prices and distribution.]


A survey and introductory course in the field of forestry, designed primarily as a service course.

220. Forest Mensuration. Summer session. last 4 weeks. Four credits. Alternate years; to be given in summer 1943.

This course is planned primarily to acquaint the student with the methods of taking an invoice of a forest property and determining its productive capacity. A study of the measurement of both standing and felled trees, the construction of log rules and the development of volume tables precedes a timber survey of a designated area. The methods of determining the rate of growth of individual trees and of stands, and the yield per acre, are then studied.

240. Forest Protection and Improvement. First semester. Three credits. Two class periods and one 3-hour laboratory period. Alternate years; to be given in 1943-44. ThS1, S2-4.

A study of the principles of forest protection; improvements necessary to facilitate protection and forest utilization.

246. Forest Map Making. Summer session, first two weeks. Two credits. Alternate years; to be given in summer 1943.

The object of this course is to give the student the fundamentals of drawing forest maps, including lettering, topographic mapping and coloring. Field and office work.
260. **Forest Field Study.** Two weeks preceding the opening of college in September. Two credits. Alternate years; to be given in 1943. **Departmental Staff.**

A field trip into the northern spruce region to study the silvicultural and utilization problems of the region.

[261. **Forest Field Study.** Extending from the Wednesday after Commencement until July 1. Two credits. Alternate years; to be given in 1944. **Departmental Staff.**

A field trip into the southern hardwood and pine region to study the silvicultural and utilization problems of the region.]

300. **Special Problems.** Either or both semesters. Credits by arrangement, not to exceed three each semester. Open to seniors whose major is in forestry. Hours by arrangement. **Departmental Staff.**

A course for advanced students who desire to pursue special work in forestry.

**Wildlife Management**

253. **Fundamentals of Wildlife Management.** First semester. Three credits. Two class periods and one 3-hour laboratory period. Prerequisite: Zoology 120. TTh2, M6-8. **Mr. Hosley.**

This course includes a brief taxonomic consideration of the more important bird and mammal groups, and the life histories, ecological relations and management of northeastern game and fur-bearing animals.

255. **Game Management.** Second semester. Four credits. Two class periods and two 3-hour laboratory periods. Prerequisite: Wildlife Management 253 or consent of instructor. TTh3, TTh6-8. **Mr. Hosley.**

A consideration of the principles of wildlife management together with its place as a fundamental form of land utilization. Game legislation and management are included.

270. **Ecology of Wild Animals.** First semester. Three credits. Two class periods and one 3-hour laboratory period. Prerequisite: Zoology 120, Botany 110 and consent of instructor. MF1, F6-8. **Mr. Hosley.**

A study of physical and biotic relationships of animals and plants to their environments.

280. **Fundamentals of Fish Management.** Second semester. Three credits. Two class periods and one 3-hour laboratory period. Hours by arrangement. **Mr. Hosley.**

A taxonomic summary of important northeastern American fresh water fishes and the fundamentals of management. Limnology and especially the analysis of water conditions are emphasized.

290. **Conservation of Natural Resources.** Second semester. Two credits. Two class periods. Open to sophomores. MW3. **Mr. Hosley and Staff.**

An inventory of the natural resources of the United States in the form of soil, water, minerals, forests and wildlife; their contribution to the economic and social development of the country, and the methods of conserving them.

305. **Special Problems.** Either or both semesters. Credit by arrangement, not to exceed three each semester. Open to seniors whose major is in wildlife management. Hours by arrangement. **Departmental Staff.**

Advanced study and research in the field of wildlife management.

**Geology and Geography**

**Associate Professor J. B. Lucke; Assistant Instructor Janet M. Aitken.**

[101. **Foundations of Geography.** Second semester. Three credits. Three class periods. Not to be given in 1943-44. **Mr.——.—.**]
A beginning course that gives a background for the study of economics, history, forestry or sociology, as it considers in sequential order the geographic factors affecting life distribution over the world.]

103. General Geology, Physical. Either semester. Three credits. Two class periods and one 3-hour laboratory period. 

Mr. Lucke, Miss Attken.

An introduction to the earth sciences. Study of the composition and structure of the earth, the scientific interpretation of scenery, and the forces working to change or deform the earth.

104. General Geology, Historical. Second semester. Three credits. Two class periods and one 3-hour laboratory period. Prerequisite: Geology 103.

Mr. Lucke.

Study of the history of the earth from its origin to the present day, including the evolution of plants and animals, with special reference to the geologic record of North America.

[205. Minerals and Rocks. First semester. Three credits. Two class periods. and one 3-hour laboratory period. Prerequisite: Chemistry 101 or its equivalent and Geology 103. Alternate years; to be given in 1944-45. TTh3 and laboratory by arrangement. 

Mr. Lucke.

Identification of common minerals and rocks (mineralogy and petrography) by inspection, using simple physical and optical tests. Lectures on diagnostic properties and mode of occurrence.]

[206. Economic Geology. Second semester. Three credits. Three class periods. Prerequisite: Geology 205. Alternate years; to be given in 1944-45. TThS3.  

Mr. Lucke.

Geology of the world’s principal mineral products, including the metallics such as iron, gold, silver and copper, and the non-metallics such as petroleum, coal and sulphur, with special emphasis on the mineral resources of the United States.]

[210. Regional Geography. First semester. Three credits. Three class periods. Prerequisite: Geography 101 or Economics 200. Open to sophomores. Not to be given in 1943-44. MWF4.

Mr._——.

The interrelated physical, social and economic conditions in the more important regions of the world, with particular consideration of North America, western Europe, eastern and southern Asia and southern South America. The course is planned primarily as a service course for students of economics, history or sociology.]

220. Principles of Geomorphology. First semester. Three credits. Two class periods and one 3-hour laboratory period or occasional field trips. Prerequisite: Geology 103. Alternate years; to be given in 1943-44. TTh3 and laboratory by arrangement.

Mr. Lucke.

The scientific interpretation of the origin, evolution and classification of the earth’s surface features, including glaciers, plateaus, rivers, mountains and shore-lines. Laboratory involves the use of topographic and geologic maps.

221. Geomorphology of the United States. Second semester. Three credits. Two class periods and one 3-hour laboratory period or occasional field trips. Prerequisite: Geology 220. Alternate years; to be given in 1943-44. TTh3 and laboratory by arrangement.

Mr. Lucke.

An outline of the geomorphic provinces of the United States and the problems peculiar to each area, with major emphasis on the eastern states. All students will take a field trip through the eastern Appalachian region for three days. Expenses will be kept to a minimum, not exceeding $10.00 per student.

[250. Climatology. First semester. Three credits. Three class periods. Not to be given in 1943-44. MWF3.

Mr._——.

The physical conditions of the atmosphere including temperature, pressure, moisture, cloudiness and rainfall, followed by a detailed study of weather types in the United States and of seasonal weather in the major climatic areas of the world.]
HISTORY AND GOVERNMENT

Professor E. A. Moore; Associate Professors A. Schenker, G. E. McReynolds*, R. A. Dorwart*; Assistant Professor M. R. White; Instructors Dorothy Culp, B. O. J. Linnewald, Lena Logan.

Students may major in either history or government. Every major student is encouraged to elect courses in the social sciences in branches other than his primary field. Those who expect to attend graduate schools should pay special and early attention to language preparation. Students interested in law, politics or diplomacy may well select government as a major field of concentration.

HISTORY

110. Western Civilization to the Reformation. Either semester. Three credits. Three class periods. Miss Logan.

This course surveys briefly the contributions to Western civilization of ancient Egypt and the Near East, of classical Greece and Rome, with greater emphasis on the formation of Western civilization during the Middle Ages to 1500.

112. Western Civilization from the Reformation. Either semester. Three credits. Three class periods. Students are advised to take History 110 preceding this course. Mr. Schenker.

A continuation of Course 110. Western civilization from the Reformation to the present. This course is planned to give the student an understanding of the change from the medieval to the modern mind, a background for American history and an understanding of our times.

221. The Age of the Renaissance and the Reformation. First semester. Three credits. Three class periods. Prerequisite: History 110. TTh6-7. Miss Logan.

A study of the rise of the modern state, the commercial revolution, expansion of Europe, with emphasis on the intellectual and religious changes and forces from the close of the Middle Ages to 1648.

222. Europe from 1648 to 1815. Second semester. Three credits. Three class periods. TTh6-7. Miss Logan.

The development of absolute monarchy, the rise of Prussia and Russia, social and intellectual conditions, the French Revolution and Napoleon.


The counter-revolutionary period, the triumph of democracy, the significance of the industrial revolution, the Europeanization of the world in the nineteenth century. Together with History 225 this course aims to present the historical background of contemporary world problems.


Continuation of History 224. The backgrounds of the World War, the War and its results, recent world problems and tendencies. This course is designed to acquaint the student with world problems such as reparations and communism and with such institutions as the League of Nations.

226. Contemporary World Problems. First semester; summer, first term. Three credits. Three class periods. Prerequisite: History 112. Not open to students who have taken History 226X. MWF4. Mr. Schenker.

This course will present the historical background of, and approach to, a number of the most critical problems confronting the world at the time the course is given.

226X. Contemporary World Problems. Extension. Two credits. Two class periods. Prerequisite: History 112. Not open to students who have taken History 226. Hours by arrangement. Mr.——

A less extensive treatment of the material included in Course 226.

* On leave for war service.
231. United States History to 1865. First semester; summer, first term. Three credits. Three class periods. Open to sophomores. Students are advised to take History 112 preceding this course. TThS3. 
Mr. Moore.
The American colonies about 1750, the struggle to achieve a nation, party origins, foundations of foreign policies, the westward movement and the War of 1861-65. The course is designed as a basis for History 232 rather than as an independent unit.

232. United States History Since 1865. Second semester; summer, second term. Three credits. Three class periods. Students are advised to take History 231 preceding this course. Open to sophomores. TThS3. 
Mr. Moore.
This course continues History 231. The Reconstruction period and the emergence of new problems, 1865-1900; foreign and domestic policies in the twentieth century.

Mr. Moore.
A non-political study of the older America, with the aim of presenting the necessary foundation for an understanding of the cultural changes that followed the Civil War. Emphasis is placed on such topics as sectional diversities, reform movements and European influences.

Mr. Moore.
A study of the emergence of modern America, with emphasis on social, economic and cultural factors. The lectures will stress the revolutions, structural and intellectual, that occurred in the United States after 1865.

261. English History through the Seventeenth Century. First semester. Three credits. Three class periods. Open to sophomores. TThS1. Miss Logan.
A survey of English history from Anglo-Saxon origins through the Tudors and Stuarts, with emphasis on the political, social and cultural contributions to English and American history. Recommended to majors in English.

A continuation of History 261. After a brief treatment of the seventeenth and eighteenth centuries, this course will treat largely of nineteenth-century Britain, and post-war problems in Britain and the empire.

[284. Latin American History. Summer session. Three credits. Not open to students who have taken History 284X. Not to be given summer 1943. 
Mr.———.
A course designed primarily to provide the essential historical background for a study of Latin American problems today.]

284X. Latin American History. Extension. Two credits. Two class periods. Not open to students who have taken History 284. Hours by arrangement. 
Mr.———.
A less extensive treatment of the material included in Course 284.

300. Investigation of Special Topics in History. Either semester; summer, first term. Credits and hours by arrangement. Open only with consent of head of department and the instructor concerned. Departmental Staff.
Open to properly qualified students who present suitable projects for independent work in history.

312. The Corporate State. Second semester. Three credits. Three class periods. Open only with consent of instructor. Students are advised to take History 225 or Government 277 preceding this course. MWF2. 
Mr. Schenker.
An intensive study of the history of Europe since 1917 with emphasis on the establishment of governmental agencies devised to control the economic life of the people in Russia, Italy, Germany and other countries.
335. The Civil War and Reconstruction. First semester. Three credits. Three class periods. Open only with consent of instructor. Hours by arrangement.

MR. MOORE.

A study of relations between North and South from the Compromise of 1850 to the close of the Reconstruction era. Primary as well as secondary materials will be used and the historical method emphasized.


MR. MOORE.

A study of the successive movements, from Populism to the New Deal, which have been advanced for adapting American democracy to new conditions. Conducted mainly through reports.

Government


MISS CULP.

A study of certain basic principles and institutions of political science, particularly as exemplified in the United States. An elementary course not designed primarily for those whose principal interest is government, but intended to be of a sufficiently general character to give a background for citizenship. Theories of the origin of the state and the framing and subsequent development of the United States constitution will be stressed.


MR. LINNEVOlD, MISS CULP.

A continuation of Course 131. Organization of local, state and national legislative bodies, the federal and state court systems, the methods and problems of international organization and world politics will be stressed.


MWF4.

MR. WHITE.

The principal branches and departments of the federal government of the United States in modern times, with attention to their evolution.


MWF3.

MR. WHITE.

This course aims to acquaint the student with local governments in the United States. A study will be made of the practical working of democracy and the machinery of local governments, with special reference to Connecticut.

275. Constitutional Interpretation. First semester. Three credits. Three class periods. Prerequisite: Government 131 or 273, or History 231 and 232.

WF8-9.

MISS CULP.

The position of the Supreme Court in expounding and developing the United States Constitution. The case system, supplemented by collateral reading, will be used.

276. Legal Institutions. Second semester. Three credits. Three class periods. Prerequisite: Government 131 or 273. Ancient and English history are recommended. Alternate years; to be given in 1943-44.

WF8-9.

MR. WHITE.

The origin and development of English forms of law, with attention to Roman law, common law in the United States and to the general nature of jurisprudence. Particularly recommended for students with a professional interest in law.


MWF4.

MISS CULP.

The course will stress the democratic governments of Great Britain, France and Switzerland, but will give brief attention to more modern experiments.

278. Administrative Law. Second semester. Three credits. Three class periods. Prerequisite: Government 131 or 132. Alternate years; to be given in 1944-45.

WF8-9.

MR. WHITE.
A study of the establishment, nature, and functions of administrative tribunals. Special attention will be given to the procedure before administrative tribunals and judicial relief against administrative action.]


Mr. Linnevold. This course introduces the student to the public law of nations through an examination of the decisions of leading tribunals and the works of certain outstanding jurists.

281. American Diplomacy. First semester; summer, first term. Three credits. Three class periods. Students are advised to take History 231 and 232 before electing this course. MWF 1.

Mr. Linnevold. A chronological examination of the foreign relations of the United States from 1776 to 1920 with special attention to the basic policies developed.

282. International Relations. Second semester. Three credits. Three class periods. Students are advised to take courses in modern European and in American history preceding this course. MWF 2.

Mr. Linnevold. Some outstanding diplomatic problems confronting the modern world, with emphasis on those in which the United States is primarily interested. International organization will receive brief attention.


Mr. Linnevold. A study of late nineteenth and twentieth century China and Japan, their social, economic and political organization. Emphasis will be placed on the struggle between Japan and the great occidental powers, Russia, Germany, United States and Great Britain.

283X. The Far East. Extension. Two credits. Two class periods. Not open to students who have taken Government 283. Hours by arrangement.

Mr. Linnevold. A less extensive treatment of the material included in Course 283.


Mr. Linnevold. A consideration of the principles of party government together with an analysis of the aims, organization and growth of parties in the United States.


Mr. White. A study of the principles of modern public administration with special attention to organization, civil service, fiscal management, types of administrative action, and democratic control of administration.

290. Modern Political Thought. First semester. Three credits. Three class periods. Students are advised to take History 110 and 112 preceding this course. TThS 2.

Mr. White. The views of outstanding political theorists since 1500 with special attention to those who have influenced the political institutions of the United States and Great Britain.

301. Investigations of Special Topics in Government. Either semester; summer, first term. Credits and hours by arrangement. Open only with consent of head of department and the instructor concerned. Departmental Staff.

Open to properly qualified students who present suitable projects for independent work in government.


Mr. White. The investigation and discussion of specific problems of the state and local governments of Connecticut.
386. **Public Relations.** First semester. Three credits. Three class periods. Prerequisite: Government 285 and consent of instructor. Hours by arrangement. 

Mr. Kummer.

An advanced course for the analysis, discussion, and individual investigation of the general principles and procedures of public relations, with an emphasis on governmental public relations. Investigations will be related to the needs and interests of the individual.

**HOME ECONOMICS**

Professors Evalyn S. Bergstrand, Mildred P. Fenich, Marie G. Lundberg; Associate Professors Nellie Gard, Martha Potgieter; Assistant Professors Wilma B. Keyes, Elizabeth Rogge, Ella Van Dyke, Sarah Thames; Instructors R. Constance Hastie, Miss ———. 

Associate Professor Lillian L. Knappenberger; Assistant Professor Dorothy M. Leahy.

Home Economics draws from the arts, the physical sciences and the social sciences, and makes application to the problems of home and family life. Therefore, fundamental to the study of home economics is a knowledge of the basic facts and techniques of these fields. During the freshman and sophomore years students take courses planned to furnish this broad general background. Since one of the major interests of women, regardless of other vocational objectives, is preparation for homemaking, it is recommended that each student elect in her junior and senior year at least one course from each of the six groups into which the subject matter of home economics has been divided.

Any student in the University may elect freely from the offerings in home economics.

**Art**

The aim in these courses is to extend the study of art to everyday problems of selection, decoration and display as they relate to the needs of the individual.

132. **Introduction to Art.** Either semester. Three credits. One class period and two 2-hour laboratory periods. Miss Keyes, Miss Van Dyke.

This course isolates the elements of art and applies these fundamental principles of line, form, texture and color to individual expression.

133. **Drawing and Painting.** Second semester. Three credits. One class period and two 2-hour laboratory periods. Prerequisite: Art 132 or 135. Miss Van Dyke.

A comprehensive course in sketching and painting.

135. **Art Appreciation.** Either semester. Three credits. Three class periods. No previous training in art is required. Miss Keyes.

A general course planned to develop an appreciation of art values as they apply to everyday problems of selection and arrangement.

142. **Costume Design.** Either semester. Two credits. One class period and one 2-hour laboratory period. Students are advised to take Art 132 or 135 preceding this course. Miss Hastie.

A study of the fundamental elements of costume design, creative effects and adaptive designing and their application in dress, hats, accessories and fabrics.

230. **Art History.** First semester. Three credits. Three class periods. Open to sophomores. MWF3. Miss Van Dyke.

A series of lectures and readings on the history and appreciation of art including the important art epochs, artists, schools of painting, architecture and sculpture.

The development of costume styles from ancient times through the nineteenth century. The course is designed for those interested in the production of school or community plays, pageants or festivals; also to furnish source material and background for creative work in clothing and costume design.

244. **Advanced Costume Design.** Second semester. Two credits. One class period and one 2-hour laboratory period. Prerequisite: Art 142. F2, M8-9.

Miss Hastie.

A continuation of Art 142 with special problems in the application of design principles to period costume, dress decoration, costume accessories and children's clothing.

245. **Home Planning and Furnishing.** Either semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Art 132 or 135. MW2, M8-9.

Miss Keyes.

Art related to the development of room layout and furnishings for the home, emphasizing attractiveness, convenience and economy.

246. **Advanced Design.** First semester. Three credits. One class period and two 2-hour laboratory periods. Prerequisite: Art 132. Hours by arrangement.

Miss Van Dyke.

This is a continuation of Art 132 with more attention given to creative design applied to crafts.

247. **Home Furnishing.** Second semester. Three credits. One class period and two 2-hour laboratory periods. Prerequisite: Art 245. S3, TTh3-4.

Miss Keyes.

This is a continuation of Art 245 with more attention given to the decorator's problems. A study is made of historic periods and their influence upon modern styles in furnishing.

305. **Special Problems in Art.** Either or both semesters. Credits and hours by arrangement. Open with consent of instructor.

**Departmental Staff.**

**Clothing**

120. **Clothing Selection.** Either semester; summer, first term. Three credits. Three class periods.

Miss Gard.

A basic study of clothing from the standpoint of choice, purchasing habits, cost and care. Among the subjects given special consideration are fashion, analyzing oneself, psychology of dress, hygiene of clothing, choosing clothing materials, ethics of shopping and clothing inventories and budgets for the individual.

121. **General Clothing.** Either semester. Three credits. One class period and two 2-hour laboratory periods. Prerequisite: Art 142.

Miss Hastie.

The aim of this course is to give a knowledge and appreciation of commercial patterns, pattern construction, methods and techniques of clothing construction, and care and repair of wardrobe articles.

221. **Problems in Clothing.** Either semester. Three credits. One class period and two 2-hour laboratory periods. Prerequisite: Clothing 121. F4, WF6-7.

Miss Hastie.

A continuation of Clothing 121. Tailoring of suits and coats, renovation and children's clothing. Includes a study of clothing materials such as leathers and furs.

224. **Applied Dress Design.** First semester. Three credits. One class period and two 2-hour laboratory periods. Prerequisite: Clothing 121. F6, TTh8-9.

Miss Hastie.

In this course the principles of color and design are applied in the modeling of clothing on the dress form, with emphasis on the relation of fabric to design and of design to the individual. Includes an extensive study of source materials on textiles and clothing.
Foods

[150. **Food Preparation.** First semester. Two credits. Two 2-hour laboratory periods. (Not to be given in 1943-44 nor thereafter.)

An introductory course in the principles of food preparation to provide a study of foods for those who have not had such courses in high school.]

152. **Food Selection.** Second semester. Three credits. Three class periods. Prerequisite: Foods 150 or equivalent. (Not to be given after 1943-44.)

**Miss Lundberg.**

A study of foods, their selection, production, composition and cost, with emphasis on value to the consumer. Factors influencing quality, grade and cost of food. Food marketing, the pure food laws, and regulations relating to weights and measures, markets and sanitation.

153. **Food Selection and Preparation.** Either semester. Three credits. One class period and two 2-hour laboratory periods. **Miss Lundberg, Miss Hogge.**

A study of food selection and the scientific principles involved in food preparation. 250. **Meal Planning and Serving.** Either semester. Three credits. One class period and two 3-hour laboratory periods. Prerequisite: Foods 152. (After 1943-44 Foods 153 will be prerequisite.) Sec. A—F4, MW3-4; B—F4, TTh3-4. **Miss Lundberg.**

A study of meal planning and table service with emphasis on an adequate family diet. Study of food supply and selection at different economic levels.

251. **Meal Planning and Serving.** Second semester. Three credits. One class period and two 3-hour laboratory periods. Prerequisite: Foods 152. Sec. A—F4, MW3-4; B—F4, TTh3-9. **Miss Lundberg.**

This is a continuation of Foods 250 with more attention given to the planning of menus and the preparation and serving of meals for special occasions. Experimental work with food preparations on the market, evaluation of mixes of packaged food, etc.

252. **Large Quantity Cookery.** First semester. Three credits. One class period and two 3-hour laboratory periods. Prerequisite: Foods 250. F3, TTh6-8. **Miss Lundberg.**

The principles underlying the purchase, storage and preparation of large quantities of food and the application of these principles to school cafeterias and to dietary departments in other institutions.

257. **Fundamentals of Food Selection and Preparation.** Second semester. Two credits. One class period and one 2-hour laboratory period. Open to men only. F3, M6-7. **Miss Lundberg.**

The course is planned primarily to meet the needs of students whose major is in forestry. A study is made of the principles which determine the selection and preparation of different types of foods which may be used in camp life.

303. **Investigation of Special Topics.** Either or both semesters; summer, first term. Credits and hours by arrangement. Open only with consent of instructor. **Miss Lundberg.**

A course designed for students who are qualified to pursue special problems in foods.

Home Administration

101. **Introduction to Home Economics.** Second semester. One credit. One class period. **Miss Bergstrand.**

This course considers the history and scope of home economics and the professional opportunities in this field.

102. **The Child and His Family.** Either semester. Two credits. Two class periods. **Miss Bergstrand and Departmental Staff.**

This course considers the needs of the child and the family group and the place of management in successful living. Observation of children is included.
273. **Home Management.** Either semester; summer, first term. Three credits. Four class periods for 12 weeks. MWF3 and one period by arrangement.  
**Miss Bergstrand.**

This course deals with the problems which present themselves in organizing, guiding and controlling the management of money, time and energy in the home in order to provide the maximum satisfaction for the family.

276. **Home Management Practice.** Either semester; summer, first term. Three credits. Six weeks. Open with consent of instructor to students not in Home Economics.  
**Miss Knappenberger.**

Living in the home management house as a family group for six weeks is the basis for developing managerial ability in organizing and simplifying housework and in evaluating in terms of family life expenditures of time, money and effort.

277. **Institutional Management.** Second semester. Three credits. Two class periods and one 3-hour laboratory period. TTh2 and laboratory by arrangement.  
**Miss Thames.**

This course considers the problems involved in the organization and management of lunch rooms, cafeterias and hospital dietary departments. It includes a study of purchasing for institutions.

278. **Institutional Organization and Management.** First semester. Three credits. Two class periods and one 3-hour laboratory period. TTh2 and laboratory by arrangement.  
**Miss Thames.**

Problems involved in the organization and management of different types of institutions, including office, storeroom, and personnel management and institution accounting. Laboratory practice in managing different departments of the dormitory food service.

281. **Observation of Child Activity.** Either semester. One credit. Pre-requisite: Home Administration 283 or Psychology 236. Open only to students who have not had Home Administration 102. (This course will be dropped after 1945-46.) F7 and other hours by arrangement.  
**Miss Knappenberger.**

A study is made of social, routine and creative activities in the development of desirable behavior patterns.

**Miss Knappenberger.**

Supervised participation in the nursery school; readings; conferences each week with the nursery school staff.

283. **Child Development.** Second semester. Three credits. Three class periods. Pre-requisite: Psychology 131. Open only to students who have not had Home Administration 102. (This course will be dropped after 1945-46.) Open to sophomores. MWF2.  
**Miss French.**

The development and care of the pre-school child from the physical, psychological and social aspects.

**Miss French.**

A continuation of the first course in child development. Special attention is given to guidance in the development of desirable behavior patterns through a variety of experiences in the use of creative art materials, books, pictures and play equipment in the home and in the nursery school.

285. **Child Development.** Either semester. Three credits. Two class periods and two hours of laboratory. Pre-requisite: Psychology 131. Not to be given in 1943-44.  
**Miss——.**

A study of the physical, psychological and social development of the pre-school child.

301. **Investigation of Special Topics.** Either or both semesters; summer, first term. Credits and hours by arrangement. Open only with consent of instructor.  
**Departmental Staff.**
Conferences and reports on special topics in the fields of home management, institutional management and child development. Special problem work in the Nursery School may be elected by qualified students from other schools or colleges.

Nutrition

162. Nutrition in Health. Either semester; summer, first term. Three credits. Three class periods. Open to both men and women. Not open to students who have taken Nutrition 162X. Miss Rogge.

A course designed to give a general knowledge of nutritive needs and essentials for health.

162X. General Nutrition. Extension. Two credits. One 2-hour class period. Open to both men and women. Not open to students who have taken Nutrition 162. Hours by arrangement. Miss———.

A less extensive treatment of the material included in Course 162.

262. Child Nutrition. Second semester. Three credits. Two class periods and one 2-hour laboratory period, part of the laboratory work to be carried out in connection with the Nursery School. Prerequisite: Chemistry 120 and Foods 150 or 153. TTth4 and laboratory by arrangement. Miss Potgieter.

This course considers the nutrition and physical development of the child from the prenatal period through adolescence.


A study of the fundamentals of nutrition and food requirements for the members of the family group.


More advanced and extensive study of the physiological functioning of food nutrients in human nutrition. Planning of individual and family diets for various income levels, ages and occupations.

267. Diet in Disease. First semester. Three credits. Two class periods and one 3-hour laboratory period. Prerequisite: Nutrition 266. TTth3, F6-8. Miss Potgieter.

A study of special diets for various diseases; their preparation, their total nutritive value, and their underlying theory.

302. Investigation of Special Topics. Either or both semesters; summer, first term. Credits and hours by arrangement. Open only with consent of instructor. Miss Potgieter and Miss Rogge.

A course designed for students who are qualified to pursue special problems in nutrition.

310. Nutrition Seminar. Either or both semesters. One credit each semester. Open only with consent of instructor. Hours by arrangement. Miss Potgieter.

This course consists of readings, reports and discussions.


A study of some of the phases of metabolism by means of feeding experiments and calorimetry.

(This course was formerly number 269.)

362. Research Methods and Procedure in Nutrition. Credits and hours by arrangement. Open only with consent of instructor. Miss Potgieter.

A study of the composition and nutritive value of foods (including recently developed food products) by means of chemical methods and animal experimentation; a study of human food requirements and of metabolic processes.
TEXTILES

210. **General Textiles.** Either semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Chemistry 120. Open to sophomores. TTh1, F7-8.

A study of the nature of the chief fibers and fabrics including physical and chemical tests to determine their content and usability. The course is designed to develop in the student the ability to choose fabrics wisely.

213. **Household Textiles.** Second semester. Two credits. Two class periods. Prerequisite: Chemistry 120. MW4.

A study of household textiles including their selection and care. The purpose of this course is to acquaint the student with textiles used in the home for purposes other than clothing.

[216. **Textile Analysis.** First semester. Three credits. One class period and two 2-hour laboratory periods. Prerequisite: Textiles 210. Alternate years; to be given in 1944-45. Hours by arrangement. Miss Gard.]

A technical analysis of fabrics and a study of certain finishing processes. Besides the established laboratory exercises, each student carries through the semester a problem for individual study. A review of recent literature on textile analysis and new developments in textiles.]

218. **Historic Textiles.** First semester. Three credits. Three class periods. Alternate years; to be given in 1943-44. MWF4. Miss Gard.

Development of textiles from ancient times. Antique fabrics, modern reproductions of old textiles, and other visual aids are used for the study of design, technique and the influence of the designs of one country and period upon the textiles of other countries and periods. Social and religious influences upon textile design, relation of textile art to the other arts of a period, and historic design in present-day textiles are important phases of the course. Excellent library facilities are available.

304. **Investigations of Special Topics.** Either or both semesters; summer, first term. Credits and hours by arrangement. Open only with consent of instructor. Miss Gard.

A course designed for students who are qualified to pursue special problems in textiles and clothing.

HORTICULTURE

PROFESSOR S. P. HOLLISTER; ASSOCIATE PROFESSOR R. H. PATCH; ASSISTANT PROFESSORS A. M. PORTER, H. O. PERKINS, M. L. ODLAND, F. W. SOUTHWICK; ASSISTANT INSTRUCTORS L. J. BILON*, CORINNE WADHAMS.

The work offered in horticulture is divided for purposes of administration into the following groups: General courses—201, 202, 270, 300, 301, 310, 320, 330; Floriculture—251, 252, 253, 254, 255; Landscape Gardening—129, 263, 266, 267; Pomology—240, 242, 246, 248; Vegetable Gardening—215, 218, 223, 224, 225. Students who wish to obtain a general knowledge of the field may elect the following courses: Horticulture 201 and 202. Students who wish more intensive knowledge should take one or more courses in each group and, in addition, should probably schedule all courses offered in the particular subject in which they are most interested. Horticulture majors should take, for background, courses in soils and fertilizers (cf. agronomy), botany and entomology (cf. zoology).

129. **Landscape Art.** Either semester. Three credits. Three class periods. Mr. Perkins.

A study of the general principles of landscape art developed by the several schools in foreign countries and in America, designed to foster in the student an appreciation of the beauty brought about by the use of plants, land contours, structures and water in making a landscape picture.

* On leave for war service.
201. **Floriculture and Landscape Gardening.** First semester. Three credits. Three class periods. Open to sophomores. TThS2. **Mr. Patch, Mr. Perkins.**

A course designed to give a general knowledge of varieties, propagation, planting, and care of flowers, woody plants, and lawns. Half the course will be devoted to floriculture and the other half to landscape gardening.

(This course was partly covered in number 261 in 1941-42 and in number 228 previous to that date.)

202. **Fruit and Vegetable Growing.** Second semester. Three credits. Three class periods. Open to sophomores. MWF3. **Mr. Hollister, Mr. Odland.**

A course designed to give a general knowledge of varieties, propagation, planting and care of fruits and vegetables. Half the course will be devoted to fruits and the other half to vegetables.

(This course was formerly partly covered in numbers 217 and 239.)

215. **Principles of Olericulture.** First semester. Three credits. Two class periods and one 2-hour laboratory period. Open to sophomores. TTh4, M6-7. **Mr. Porter.**

A course designed to give the student a broad view of the vegetable industry. The effects of climate, soil, fertilizers, storage, water, use of glass and good seed on the production of vegetables for market. The results of recent experiments and commercial practices are discussed.

218. **Commercial Vegetable Production.** Second semester. Three credits. Two class periods and one 2-hour laboratory period. Open to sophomores. TTh4, M6-7. **Mr. Porter.**

This course is a continuation of Course 215, but may be taken independently. It is an intensive study of the history, anatomy, physiology and culture of the principal commercial vegetable crops, including propagation, variety choice, soil adaptation, planting, fertilization, pest control, harvesting, storage and marketing, with particular reference to vegetable production in Connecticut.

223. **Vegetable Forcing.** First semester. Three credits. Two class periods and one 2-hour laboratory period. Hours by arrangement. **Mr. Odland.**

A course dealing with the factors underlying the forcing of vegetables under glass. It is a study of plant production under artificial conditions.

[224. **Vegetable Pest Control.** First semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Horticulture 215 or 218, or consent of instructor. Alternate years; to be given in 1944-45. MW3, Th6-7. **Mr. Porter.**

The title of the course indicates the field to be covered; a careful study will be made of the various diseases and insects of the principal vegetable crops and of materials used to control them.]

225. **Systematic Olericulture.** First semester. Three credits. One class period and two 2-hour laboratory periods. Prerequisite: Horticulture 215 or 218. Alternate years; to be given in 1943-44. Hours by arrangement. **Mr. Porter, Mr. Odland.**

A detailed study of the classification of vegetable plants according to their botanical and horticultural relationships. The laboratory work consists in a study of the several horticultural variety groups and includes judging and display of vegetable exhibits.

(This course was formerly number 214.)

240. **Commercial Fruit Growing.** First semester. Three credits. Two class periods and one 2-hour laboratory period. MW1, F6-7. **Mr. Hollister.**

The study of growth and its relation to fruit-bud formation as affected by fertilizers, systems of soil management, pruning and other orchard practices. The harvesting, grading and packing of fruit are studied in the first part of the course to correlate laboratory and classroom work.

242. **Orchard Spraying.** Second semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Botany 240 or Entomology 152. MW4, W6-7. **Mr. Southwick.**
The more commonly used spray materials, their nature, preparation and time of application. Various types of nozzles, pumps and other spraying accessories are studied. Individual spraying practice is required outside the regular class period.

246. Systematic Pomology and Fruit Judging. First semester. Two credits. One lecture and one 2-hour laboratory period. Hours by arrangement. Mr. Southwick.

A course dealing with the more important varieties of fruits produced in Connecticut. The work will also include the study of damage caused by insects and diseases and the use of fruit score cards. This course should prove to be of special value not only to students majoring in pomology but to prospective agricultural teachers and extension workers. Intercollegiate fruit judging teams will be selected from students of this course.


Detailed study of strawberries, raspberries, blackberries and other small fruits as to botanical classification, horticultural relationships, soils, fertilizers, cultural methods, harvesting, marketing, insect and disease control.
(This course was formerly number 205.)

251. Floriculture and Greenhouse Management. First semester. Three credits. Two class periods and one 2-hour laboratory period. MW2, M8-9. Mr. Patch.

A practical study of the florist's problems such as location, types of houses, materials of construction, cost and maintenance, heating, ventilating, preparation of soils for greenhouse crops, propagating, potting and shifting plants, and fumigating. The laboratory work consists of practical training in the greenhouse and gardens. A trip to commercial establishments is required.

252. Pot Plants. Second semester. Three credits. Two class periods and one 2-hour laboratory period. Students are advised to take Horticulture 251 preceding this course. MF2, W8-9. Mr. Patch.

A study of the history, evolution and culture of such plants as calceolaria, cineraria, cyclamen and ornamental foliage plants including diacema, croton and the ferns.

253. Cut Flower Crops. First semester. Three credits. Two class periods and one 2-hour laboratory period. Students are advised to take Horticulture 251 preceding this course. MW4, W8-9. Mr. Patch.

A study of the commercial aspects of such crops grown under glass as carnations, chrysanthemums and roses.

254. Floral Arrangement. Second semester. Two credits. One class period and one 2-hour laboratory period. Open only with consent of instructor. W2, M8-9. Mr. Patch, Miss Wadhams.

A course for those who desire to specialize in making bouquets, floral designs and table decorations. The selling methods used in commercial floriculture will also be considered.

255. Garden Flowers. Second semester. Three credits. Two class periods and one 2-hour laboratory period. TTh3, Th6-7. Mr. Patch, Miss Wadhams.

A study of the various annual and perennial flowering plants that are used in the out-of-doors garden.

263. Ornamental Trees and Shrubs. Second semester. Three credits. Two class periods and one 2-hour laboratory period. MF2, F6-7. Mr. Perkins.

The class work will be concerned with the characteristics and some of the history of the many trees and shrubs used for landscaping. Native plants as well as foreign and horticultural varieties will be considered. The laboratory work will be devoted to the identification of shrubs and trees.

266. Landscape Design and Construction. First semester. Three credits. One class period and two 2-hour laboratory periods. Prerequisite: Horticulture 129, which may be taken concurrently. F4, TTh8-9. Mr. Perkins.
An approach to mastering the fundamentals of design, the technique of good draftsmanship. Classroom emphasis will be placed on landscape construction.

267. **Planting Composition.** Second semester. Three credits. One class period and two 2-hour laboratory periods. Prerequisite: Horticulture 263, which may be taken concurrently, and 266. F4, TTh8-9. **Mr. Perkins.**

The composing of plant forms for pictorial and utilitarian purposes. Planting plans and sketch elevations will be presented in pencil, then in ink and completed in color.

270. **Plant Breeding.** Second semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Botany 110 and Genetics 210. TTh1, F6-7. **Mr. Odland.**

A study of the principles of plant breeding as they apply to the improvement and development of cultivated plants. The laboratory work will consist of actual plant-breeding technique.

300. **Independent Study.** Either or both semesters. Credits and hours by arrangement. Open only with consent of instructor. **Departmental Staff.**

A course designed to allow qualified students to carry on a supervised reading project along some definite horticultural topic.

301. **Research in Horticulture.** Either or both semesters. Credits and hours by arrangement. **Staff Member directly concerned.**

A course for advanced students qualified to carry on an independent research project.

310. **Seminar.** Second semester. One credit. One 2-hour discussion period. Open only with consent of instructor. Hours by arrangement. **Departmental Staff.**

This course consisting of round table discussions is recommended to all seniors whose major is in horticulture.

320. **Methods of Horticultural Research.** First semester. Three credits. Open only with consent of instructor. Hours by arrangement. **Mr. Porter, Mr. Odland.**

A study of the principles of scientific research applied to recent horticultural investigations, including statistical analysis of data and methods of experimentation.

330. **Applied Horticultural Physiology.** First semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Botany 291 or 292. TTh1 and laboratory by arrangement. **Mr. Southwick.**

A course showing the direct effects of the principles of plant physiology as they apply to horticultural practices. The following topics will be considered: Effects of water, fertilizers, light and temperature on the growth of economic plants; effect of spray materials on photosynthetic activity; factors effecting the development of color in horticultural plants and fruit.

**MATHEMATICS**

**Professor W. F. Cheney, Jr.; Associate Professor C. H. W. Sedgewick; Instructors C. G. A. Nordling, J. C. Montgomery, E. Cook.**

Students wishing to obtain the working knowledge of calculus which is necessary in advanced scientific work are advised to take Elementary Analytical Geometry (110), Differential (112) and Integral Calculus (203). If scientific graduate research work is contemplated, Ordinary Differential Equations (204) and Calculus Applications (208) are recommended.

105. **Trigonometric Theory.** Either semester; summer, first term. Two credits. Two class periods. **Mr. Montgomery.**

Solution of plane triangles and trigonometric equations.
107. **Basic Mathematics.** Either semester; summer, second term. Three credits. Three class periods. **Mr. Cheney.**

This is a terminal service course in applied elementary mathematics. It stresses substitution in, and manipulation of, formulas, uses of logarithms and slide rule, and the application of statistical methods to scientific investigation. Students in Agriculture, and students in Arts and Sciences and Business Administration who have less than three years of high school mathematics, are required to take this course.

(This course was formerly partly covered in numbers 103 and 111.)

110. **Elementary Analytical Geometry.** Either semester; summer, first term. Three credits. Three class periods. Prerequisite: Mathematics 105, which may be taken concurrently, or the equivalent. **Departmental Staff.**

Fundamentals of plane and solid analytical geometry.

112. **Differential Calculus.** Either semester; summer, second term. Three credits. Three class periods. Prerequisite: Mathematics 110. **Departmental Staff.**

An introduction to the study of differential calculus, involving fundamental definitions and theorems, rules for differentiation of algebraic, trigonometric and logarithmic functions, and applications to problems.

203. **Integral Calculus.** Either semester; summer, first term. Three credits. Three class periods. Prerequisite: Mathematics 112. Open to sophomores. First semester: Sec. A—TTh2, T6; B—TTh2, T7; C—TTh2, T8; D—TTh2, Th6; E—TTh2, Th7; F—TTh2, F8. Second semester: TTh4, W8. **Departmental Staff.**

An introduction to the study of integral calculus, involving methods of integrating elementary functions, improper integrals, multiple integrals and applications of integration to finding areas, lengths, volumes and moments of inertia.

204. **Ordinary Differential Equations.** Either semester; summer, second term. Three credits. Three class periods. Prerequisite: Mathematics 203. Open to sophomores. First semester: TTh4, W8. Second semester: Sec. A—TTh2, T6; B—TTh2, T7; C—TTh2, T8; D—TTh2, Th6; E—TTh2, Th7; F—TTh2, F8. **Departmental Staff.**

Methods of solving ordinary differential equations of the first and second orders, and systems of differential equations with constant coefficients. Application to problems in dynamics and electricity.

208. **Calculus Applications.** First semester; summer, first term. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Mathematics 204. This course and Math. 350 may not both be taken for credit. Sec. A—TTh3, M6-7; B—TTh3, F6-7. **Mr. Nordling.**

The application of the formal theory of ordinary differential equations to problems in chemistry, physics, mechanics and electricity; determinants; approximate integration and differentiation; partial differential equations, and other topics.

209. **Selected Topics in Advanced Calculus.** Second semester; summer, second term. Three credits. Three class periods. Prerequisite: Mathematics 204. MWF2. **Mr. Sedgewick.**

Infinite series, Gamma and Beta functions, Bessel functions, partial differential equations, vector calculus and similar topics.

216. **Advanced Analytical Geometry.** Second semester. Three credits. Three class periods. Prerequisite: Mathematics 110. MWF4. **Mr. Montgomery.**

Selected topics in plane and solid analytical geometry.

217. **The Fundamental Concepts of Mathematics.** Second semester. Three credits. Three class periods. Prerequisite: Mathematics 112. Alternate years; to be given in 1943-44. MWF3. **Mr. Cheney.**

A survey of the aims, accomplishments and underlying assumptions of mathematics. This course is recommended for those planning to teach mathematics.

231. **Probability.** First semester. Three credits. Three class periods. Prerequisite: Mathematics 203. Alternate years; to be given in 1943-44. MWF4. **Mr. SEDGWICK.**
Introduction to the theory of probability. Solution of some of the probability problems encountered in scientific work.

232. Mathematics of Finance. Second semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Mathematics 107 or 110. TTh1, M6-7. Mr. Sedgwick.

Application of the compound interest laws to the various financial problems ordinarily encountered in investment and actuarial work and accounting.

246. Advanced Trigonometry. Second semester. Two credits. Two class periods. Prerequisite: Mathematics 105 or equivalent. Alternate years; to be given in 1943-44. TTh3. Mr. Cheney.

This course will deal primarily with spherical trigonometry, both theoretically and in application to navigation and astronomy.


A presentation of the operations peculiarly applicable to integers.


The solvability and solution of algebraic and transcendental equations; theory of determinants; symmetric functions.


A consideration of the various functions of a complex variable ordinarily encountered in scientific work.

300. Investigation of Special Topics. Either or both semesters; summer, either or both terms. Credits by arrangement, not to exceed three each semester. Open only with consent of instructor. Hours by arrangement. Departmental Staff.

Students who have well-defined problems for advanced reading and investigation should submit to the department their plans for work.

310. Seminar. Either or both semesters. One credit each semester. Two 1-hour discussion periods. Open only with consent of instructor. Hours by arrangement. Departmental Staff.

The treatment of special topics, primarily by individual readings and reports.

350. Advanced Mathematics for Engineers. Extension. Two credits. Two class periods. Prerequisite: Mathematics 203 and 204. This course and Mathematics 208 may not both be taken for credit. Hours by arrangement. Mr. Nordling.


Astronomy

155. Elementary Descriptive Astronomy. First semester. Three credits. Two class periods and one 2-hour laboratory period. Mr. Cheney.

This course acquaints the student with the visible celestial bodies, their arrangement and behavior. Human beliefs about these objects are traced from early mythology to modern times.

255. Elementary Astronomical Measurements. Second semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Astronomy 155. Alternate years; to be given in 1943-44. Hours by arrangement. Mr. Cheney.

Students will make simple astronomical observations and calculations based on them. Methods of making more complicated observations and calculations are briefly described.
MECHANICAL ENGINEERING


Studies in mechanical engineering begin in the junior year following the basic courses of the first two years. The field of mechanical engineering includes the conversion of energy from fuels to the production of goods. Mechanical engineers may find their work in the narrower fields of power generation, of production, of design or of research relating to these fields. Management is essential in each of these divisions and attention is directed to this phase of engineering as well as to the more purely technical aspects.

A modern laboratory is equipped for instructional use in studying fuels, steam, air and refrigeration, as well as the performance of gasoline and diesel engines and the analysis of machines and their parts. Equipment for metallurgical studies is included.

113. Engineering Drawing. Either semester; summer, both terms. Three credits. Two 3-hour laboratory periods. Mr. Moore, Mr. Stephan, Mr. Hummel.

Applied geometry, projections, pictorial drawing, lettering and sketching are taught to give the student fundamental principles and practice in drawing and in the use of instruments.

114. Engineering Drawing and Descriptive Geometry. Either semester. Three credits. Two 3-hour laboratory periods. Mr. Moore, Mr. Stephan, Mr. Hummel.

A continuation of Mechanical Engineering 113. Exercises in developments, intersections, dimensions, working drawings, projections, descriptive geometry through solid projections.


Study of the fundamentals of metal processing through machining experiments in turning, grinding, milling and planing.
(This course was formerly number 120.)

204. Fundamentals of Metallurgy. Either semester. Two credits. One class period and one 3-hour laboratory period. Prerequisite: Chemistry 121 and Mechanical Engineering 206. First semester: S4, W6-8; second semester: Sec. A—S4, T6-8; B—S4, Th6-8. Mr. Butler.

A study of the application of chemical, physical, and mechanical principles to metals and alloys. Use of equipment employed in metallurgical work for heat treatment and analysis of its effects.

206. Engineering Materials. Second semester. Three credits. Three class periods. Prerequisite: First semester Physics 110. Open to sophomores. Sec. A—MW1, M6; B—MW1, M6; C—MW3, M6; D—Th4, M6. Mr. Butler, Mr. Onuf.

The properties of the principal materials used in engineering and the fundamental theory of the crystalline structure of materials and alloys, constitutional diagrams and heat treating.

207. Mechanical Engineering Laboratory I. First semester. One credit. One 3-hour laboratory period. Mechanical Engineering 231 to be taken concurrently with this course. Sec. A—M6-8; B—W6-8; C—Th6-8; D—S2-4. Mr. Butler, Mr. Coogan.

Instruments and their applications to the testing of mechanical engineering apparatus.

208. Mechanical Engineering Laboratory II. Second semester. One credit. One 3-hour laboratory period. Prerequisite: Mechanical Engineering 207 and 232, which may be taken concurrently. Sec. A—M6-8; B—F6-8; C—F2-4. Mr. Coogan.

* On leave for war service.
A study of the application of the standard methods of testing and use of instruments in determining the properties of materials and minor apparatus used in Mechanical Engineering 209.

One 3-hour Non-ferrous Metallurgy. Semester by arrangement. Three credits. No prerequisites. Chemistry 234 or Civil Engineering 237 or Mechanical Engineering 204. Not open to students who have taken Mechanical Engineering 110. Hours by arrangement. Mr. Butler.

Ductile properties, and processing of the commercially important non-ferrous metals. A continuation of Mechanical Engineering 227 or Mechanical Engineering 204. Not open to students who have taken Mechanical Engineering 370. Hours by arrangement. Mr. Butler.

One 3-hour laboratory period. Preparatory material included in Course 370.

220. Dynamics of Machines. Second semester. Two credits. Prerequisite: Mechanical Engineering 227 or Mechanical Engineering 204. Hours by arrangement. Mr. Butler.


Mechanisms. Second semester. Two credits. Prerequisite: B—S3, TTh3-4.

Study of mechanisms. Methods of determining accelerations of various machine components. SCIENCE AND TACTICS


Design of fastenings and machine components and assemblies. Lubrication, model study, etc.

231. Engineering Thermodynamics. First semester. Three credits. Three class periods. Prerequisite: Physics 110 and Mathematics 203. Sec. A—TThS1; B—TThS1; C—TThS1; D—TThS1. Mr. Hanson, Mr. Butler, Mr. O'niu.

A study of the laws of thermodynamics, properties of gases, and cycles of heat engines.

232. Heat Engines. Second semester. Three credits. Three class periods. Prerequisite: Mechanical Engineering 231. Sec. A—MW4, S1; B—TThS1; C—TThS1; D—TThS1. Mr. Hanson, Mr. Butler, Mr. O'niu.

The application of thermodynamics and the properties of steam to prime movers.

240. Heat Engineering I. First semester. Three credits. Three class periods. Prerequisite: Mechanical Engineering 232. MWF1. Mr. Hanson, Mr. Coogan.

The various power station cycles of operation, steam turbines, and the economics of power generation.

243. Internal Combustion Engines. Second semester. Three credits. Three class periods. Prerequisite: Mechanical Engineering 232. TThS3. Mr. Hanson, Mr. Butler.

The basic principles, factors of design and performance of internal combustion engines, including diesel engines and their auxiliaries.


The principles of combustion of the various industrial fuels, the laws of heat transfer and heat exchange apparatus.


Mr. Hanson, Mr. Coogan.

Power plant apparatus, refrigeration and air conditioning.
249. **Industrial Engineering.** Second semester. Three credits. Three class periods. Prerequisite: Electrical Engineering 221 and Mechanical Engineering 232. This course and Business Administration 217 may not both be taken for credit. MWF1. 

H. W. Butler, B. R. OMF.

Studies in mechanical engineering begin in the junior year following the basic course of the first two years. The field of mechanical engineering includes the conversion of energy from fuels to the production of goods. Mechanical engineers may find work in the narrower fields of power generation, of production, of design or of research. Management is essential in each of these divisions and is directed to this phase of engineering as well as to the design of machines for economical production. A modern laboratory is equipped for instruction in the use of instruments and in the analysis of machines and their parts. Equipment for the instruction in the design of buildings and other structures is available. 

113. **Engineering Drawing.** Either semester. Two 3-hour laboratory periods. 

Mr. Metcalf. 

Applied geometry, projections, pictorial drawing, and general practice of the use of instruments to give the student fundamental principles. 

114. **Engineering Drawing and Descriptive Geometry.** Either semester. 

Mr. M. 

A continuation of Mechanical Engineering 113. 

Mr. Hanson. 

See sections, dimensions, working drawings, projections. 

Mr. Coogan. 

An advanced study of the combustion of engines. Also a mathematical study of the advanced theories of heat transmission including Fourier’s series. 

351. **Vibration I.** Semester by arrangement. Two credits. Two class periods. Prerequisite: Civil Engineering 287. Hours by arrangement. 

Mr. Stephan. 

A study of the fundamental principles of vibration theory and their application to engineering problems. Vibration of systems of one degree of freedom, energy methods of analysis, critical speed of shafts, balancing machines, applied mathematical theory. (This course was formerly partly covered in C. E. 325.) 

355. **Lubrication.** Semester by arrangement. Two credits. Two class periods. Prerequisite: Mechanical Engineering 351. Hours by arrangement. 

Mr. Stephan. 

A continuation of Vibration I. Vibration of systems of several degrees of freedom. Lagrange’s Equations, Raleigh’s Method, Vibration of elastic bodies, applied mathematical theory. (This course was formerly partly covered in C. E. 351 and 352.) 

361. **Ferrous Metallurgy.** Semester by arrangement. Three credits. Three class periods. Prerequisite: Chemistry 234 or Civil Engineering 287 or Mechanical Engineering 204. Not open to students who have taken Mechanical Engineering 361X. Hours by arrangement. 

Mr. Butler. 

Production, properties, and uses of iron and steel. Effect of composition, cold working, and heat treatment on structure and properties of ferrous alloys. 

361X. **Ferrous Metallurgy.** Extension. Two credits. Prerequisite: Chemistry 234 or Civil Engineering 287 or Mechanical Engineering 204. Not open to students who have taken Mechanical Engineering 361. Hours by arrangement. 

Mr. Butler. 

A less extensive treatment of the material included in Course 361.
365. **Ferrous Metallurgy Laboratory.** Semester by arrangement. One credit. One 3-hour laboratory period. Prerequisite: Mechanical Engineering 361, which may be taken concurrently. Hours by arrangement. **Mr. Butler.**

Metallography of iron and steel. Effect of various treatments on internal structure and properties.

370. **Non-ferrous Metallurgy.** Semester by arrangement. Three credits. Three class periods. Prerequisite: Chemistry 234 or Civil Engineering 287 or Mechanical Engineering 294. Not open to students who have taken Mechanical Engineering 370X. Hours by arrangement. **Mr. Butler.**

Production, properties, and processing of the commercially important non-ferrous metals and alloys, particularly those of copper, aluminum, magnesium, and zinc.

370X. **Non-ferrous Metallurgy.** Extension. Two credits. Prerequisite: Chemistry 234 or Civil Engineering 287 or Mechanical Engineering 294. Not open to students who have taken Mechanical Engineering 370. Hours by arrangement. **Mr.**

A less extensive treatment of the material included in Course 370.

374. **Non-ferrous Metallurgy Laboratory.** Semester by arrangement. One credit. One 3-hour laboratory period. Prerequisite: Mechanical Engineering 370, which may be taken concurrently. Hours by arrangement. **Mr. Butler.**

Metallography of non-ferrous metals and alloys. Internal structure, and properties as affected by various treatments.

**MILITARY SCIENCE AND TACTICS**

**PROFESSOR G. H. PASSMORE, LIEUTENANT COLONEL, INFANTRY, U.S.A.;**

110. **R. O. T. C. Basic Course.** Both semesters. One academic credit and one-half non-academic credit each semester. Two class periods, and one 2-hour drill period during one-half the year. **CAPTAINS LEWIS, MORTHLAND AND MAY, STAFF SERGEANT BENSON.**

The elements of military training. National defense and R.O.T.C., obligations of citizenship, military history and policy, military discipline and customs of the service, military sanitation and first aid, military organization, map reading, infantry drill, rifle and rifle marksmanship.

120. **R. O. T. C. Basic Course.** Both semesters. One academic credit and one-half non-academic credit each semester. Two class periods, and one 2-hour drill period during one-half the year. **Prerequisite:** Military Science and Tactics 110. **CAPTAINS MORTHLAND AND LEWIS, STAFF SERGEANT BENSON.**

A continuation of the elements of military training. Close and extended order drill, automatic rifle, characteristics of infantry weapons, technique of rifle fire, combat training including the tactical training of the soldier and rifle platoon.

[220. **R. O. T. C. Advanced Course.** Both semesters. Three credits each semester. Five class periods during one-half the year and three class periods and one 2-hour drill period for the remainder of the year. Prerequisite: Military Science and Tactics 120 and approval of the President of the University and the Professor of Military Science and Tactics. Not to be given in 1943-44. MWF1, M8-9. **LIEUTENANT COLONEL ALEXANDER, STAFF SERGEANT BENSON.**

Instruction and training in the duties of the junior leader. Aerial photograph reading, motor vehicles, administration, leadership, pistol, review of rifle marksmanship, heavy machine gun, caliber .50 machine gun, 81 mm. mortar, defense against chemical warfare, combat principles of the platoons of the rifle battalion.]

[270. **R. O. T. C. Advanced Course.** Both semesters. Three credits each semester. Five class periods during one-half the year and three class periods and one
2-hour drill period for the remainder of the year. Prerequisite: Military Science and Tactics 220. Not to be given in 1943-44. TTh, M8-10.

LIEUTENANT COLONELS PASSMORE AND ALEXANDER.

Instruction and training in the duties of company officers. Military history and policy, military law, property and funds, O.R.C. regulations, close and extended order drill, combat principles, rifle and heavy weapons companies, rifle regiment, supporting arms, methods of instruction.

MUSIC

ASSOCIATE PROFESSORS H. A. FRANCE, R. W. YINGLING; INSTRUCTORS M. BURTON, R. SEGAL, J. W. BROUCER*

In addition to courses of a cultural nature and courses in applied music for students who have already devoted themselves with a reasonable degree of success to the study of violin or piano, the Department of Music offers courses for those desiring to become supervisors of music. Students interested in becoming music supervisors should consult the head of the department concerning the details of a program of training which has been drawn up by the department. Such contact with the department might well be made as early as the junior year in high school in order that the last two years of high school training may be planned to the best advantage. In any event the student should contact the department very early in his college career. When they enter college prospective music supervisors should be able to perform compositions of moderate difficulty upon the piano or some major orchestral instrument. A student's decision to pursue a course of study in this field should be based upon a strong desire to live and serve in terms of music, and on the ability to make satisfactory progress.

120. Applied Music. Either or both semesters. Three credits each semester. Two 30-minute lessons and 12 hours practice each week. Open only with consent of the department head. Hours by arrangement. MR. BURTON OR MR. SEGAL.

Opportunity will be given to qualified students for work in applied music in piano, violin and voice. As a rule, music theory or music history must be taken concurrently with this course.

140. Applied Music, Brief Course. Either or both semesters. One credit each semester. One 30-minute lesson and 6 hours practice each week. Open only with consent of the department head. Hours by arrangement. MR. BURTON OR MR. SEGAL.

This course follows the plan outlined under Music 120 except in the amount of time devoted to the subject.

151. Fundamentals of Music. Both semesters. Three credits each semester. Three class periods. No previous training in music is required. MR. BURTON.

Study of notation, time, tonality, the general principles of musical interpretation, ear-training, sight-singing and rhythm.

191. Music Appreciation. Either semester. Three credits. Three class periods. No previous training in music is required. MR. FRANCE.

An approach toward intelligent listening. Lectures will be illustrated by recordings of the works discussed.


A continuation and enlargement of Music 191. A consideration of music according to different schools and periods. Lectures will be illustrated by recordings of the works discussed.

204. Development of Music Through Beethoven. Both semesters. Three credits each semester. Three class periods. No previous training in music is required. Hours by arrangement. MR. FRANCE.

The history and development of music is followed from the earliest times through polyphony and the classic forms. Lectures will be illustrated by recordings of the works discussed.

* On leave for war service.
205. **Music since Beethoven and Dramatic Music.** Both semesters. Three credits each semester. Three class periods. Prerequisite: Music 204. Hours by arrangement.

Mr. France.

A continuation of Music 204. The history and progress of music since Beethoven. Dramatic music includes both opera and oratorio.

230. **Conducting.** Second semester. Two credits. Two class periods. Hours by arrangement.

Mr. France, Mr. Yingling.

Baton technique and score reading. Practical work with choral and orchestral groups.

250. **Harmony and Harmonic Ear Training, I.** Both semesters. Three credits each semester. Three class periods. Prerequisite: Music 151 and consent of instructor. Open to sophomores. Hours by arrangement.

Mr. Burton.

An elementary course in harmony, featuring an aural approach to the study of chords and four-part writing through developing a sense of tonal imagery as the fundamental objective. The course completes the study of the consonant triads and their inversions, and the dominant group of diatonic discords.

251. **Harmony and Harmonic Ear Training, II.** Both semesters. Three credits each semester. Three class periods. Prerequisite: Music 250. Hours by arrangement.

Mr. Burton.

A continuation of Music 250. Commencing with the secondary diatonic discords, the course continues through chromatic chords, modulations, sixth chords, modal effects and modern tendencies in composition, with original related work in composing in small forms. Music of the masters is analyzed to determine its harmonic structure, and a study is made of comparative methods in presenting harmony and harmonic ear training.

260. **Theory and Practice of School Music, Elementary.** First semester. Two credits. Two class periods. Prerequisite: Music 151, satisfactory progress in applied music, and consent of instructor. Hours by arrangement.

Mr. Yingling.

A study of methods and materials for presenting music through the elementary grades.

270. **Instrumental Class Methods.** Second semester. Two credits. Two class periods. Prerequisite: Music 260. Hours by arrangement.

Mr. Yingling.

Introduction to the teaching of instruments, analysis of appropriate materials, and consideration of problems incidental to organizing and training instrumental ensembles.

300. **Investigation of Special Topics.** Either semester. Credits and hours by arrangement. Open with consent of head of department. Departmental Staff.

Open to properly qualified students who present topics worthy of investigation.


Mr. France.

Study of the range, tone qualities and characteristics of the various orchestral and band instruments. Practice in writing melodies that are characteristic of each instrument and in making arrangements for groups of instruments in simple combinations.


Mr. Yingling.

A study of methods and materials for presenting music in the intermediate grades.


Mr. Yingling.

A study of methods and materials for presenting music in the secondary school.

An integration of methods and the directed teaching experience. The course presents an opportunity to re-analyze and evaluate elements of the music curricula, procedures for presenting materials, and means of reaching objectives.


Consideration of school music from the following standpoints: Auditory and visual stimuli, individual differences, the nature of musicality, and practical classroom control. Survey of current research in the field of tests and measurements in music education.

NURSING

Professor Carolyn L. Widmer

Marion H. Douglas, R.N.


This course serves as an orientation to nursing, with special emphasis on problems of personality adjustment for the new student.


A survey of the progress of nursing from its beginning. Consideration is given to the great nursing leaders, to the historical backgrounds of the various periods and to the present status of nursing throughout the world.

120. Introduction to Health Teaching. First semester. One credit. One class period. Mrs. Widmer.

A study of health education and the best methods of presenting it to various groups.


This course deals with the background of the patient, and with the social and economic situations which may cause disease or result from it. Community agencies for dealing with these problems are considered, and field trips are taken.

236. Current Trends in Nursing. Extension. Two credits. One two-hour class period. Open only to graduate nurses. Hours by arrangement. Mrs. Widmer.

A study of recent developments in the area of nursing as revealed in reports, special studies and current literature.

240. Community Nursing I. Extension. Two credits. One two-hour class period. Open only to graduate nurses. Hours by arrangement. Miss Douglas.

The aim of this course is to introduce the student to the scope, objectives, functions and principles of public health nursing. It is intended to serve as a background for other courses in Public Health Nursing.

241. Community Nursing II. Extension. Two credits. One two-hour class period. Prerequisite: Nursing 240. Open only to graduate nurses. Hours by arrangement. Miss Douglas.

Public health nursing as it functions in the specific fields of maternal and infant care, pre-school and school nursing, adult health work in home and in industry.
PHILOLOGY

ASSOCIATE PROFESSOR R. C. BALDWIN; ASSISTANT PROFESSOR P. E. PFUETZE.

The course program in philosophy is designed to introduce the student to the significant issues which face persons interested in working towards an ultimate explanation of the world as a whole and also in its several divergent aspects. The method is both critical and constructive; the data are drawn from the relevant results of the special sciences and from the systematic conclusions of the great speculative thinkers of the past. Emphasis is laid on the centrality of the problems of value and the importance for an adequate world-view of all phases of experience.

100. Introduction to Philosophy. Either semester. Three credits. Three class periods. 

MR. BALDWIN, MR. PFUETZE.

This survey course is planned to acquaint the student with the meaning and function of philosophy, to indicate its relation to science and religion and to present an analysis of some of the main features of the methods and content of reflective thinking. It includes a preliminary survey of the basal issues and major types in philosophy and shows their source in experience, history, and representative thinkers.


MR. BALDWIN.

An elementary course in the methods, principles and problems of right thinking. The survey begins with a critical and interpretive analysis of scientific method and the inductive forms of reasoning. Then follows the study of formal deductive logic, with special attention to the rules of logical definition, valid implication, analysis of arguments and the detection of fallacies.

121. Philosophy of Religion. First semester. Three credits. Three class periods. Hours by arrangement.

MR. PFUETZE.

The branch of philosophy which inquires into the origin, nature, function and value of religion; examines the source and validity of the claims which religion makes, and studies the fundamental religious problems and concepts such as the idea of God, immortality, evil, and the nature of man.


MR. PFUETZE.

A study of the ethics of the world's living religions, including among others Hinduism, Buddhism, Confucianism, Zoroastrianism, Islam, Judaism, and Christianity. The ethical standards of these religions are surveyed first in their formative periods and in their scriptural expressions, and then in their present approach to the ethical problems of the modern world.

205. Aesthetics. Second semester. Three credits. Three class periods. Alternate years; to be given in 1943-44. MWF1.

MR. BALDWIN.

The fundamentals of aesthetics, including an analysis of the aesthetic experience and judgment, and a study of aesthetic types, such as the beautiful, tragic, comic and sublime. Recent systematic and experimental findings will be interpreted in their relation to major theories, including those of form, empathy, cultural influence, and psychological detachment.


MR. BALDWIN.

The fundamentals of ethics, including an analysis of the nature of good and evil, rights and justice, the moral ought and freedom. Crucial issues are discussed in the light of readings in the classical moralists and recent dramatists, including Ibsen, Shaw, and Galsworthy.]

221. Ancient and Medieval Philosophy. First semester. Three credits. Three class periods. MWF3.

MR. BALDWIN.

An historical introduction to philosophy. This course traces the development of European philosophy from the time of the early Greeks through the Renaissance, with special attention given to Platonic idealism.
       Mr. Baldwin.
       A study of the principal philosophical schools since the Renaissance, concluding with a general consideration of recent tendencies of thought.

225. Contemporary Thought. First semester. Three credits. Three class periods. Prerequisite: One course in philosophy other than 111. MWF1.
       Mr. Baldwin.
       Special attention is given to the literature of evolutionism, neo-idealist, pragmatism, instrumentalism and humanism. Selections are read from the works of Nietzsche, Royce, James, Dewey, Whitehead, Santayana and others. The course program is left flexible to allow for the divergent interests of the students and to permit the introduction of significant current material. Emphasis is placed upon the problem of the relation of philosophy to science and to general culture, and the contribution of the latter to the formation of a constructive philosophic viewpoint.

       Mr. Pfuetze.
       A course intended to assist more mature students to orient their thinking in religious matters and to acquire a constructive and appreciative grasp of the present-day formulation, doctrine and worship in the Western religions. The course deals chiefly with the "religions of democracy"—Judaism, Catholicism, and Protestantism—and is directed toward mutual understanding and appreciation of those movements illustrative of the Hebrew-Christian tradition. Integral to the course is an examination of the relation of religion to democracy; the challenge of modern political creeds to the Hebrew-Christian faith; and brief examination of some typical religious issues such as freedom and authority, faith and reason, and the interpretation of history.

       Mr. Pfuetze.
       The nature and basis of the Hebrew-Christian Ethic and its relevance to the social order. The course attempts an historical and interpretive survey of the social and ethical teachings of the Hebrew prophets, Jesus, and the Christian Church, and the implications of this ethical pattern for the social problems, conflicts, and institutions of contemporary life; the family, community, nation, war and peace, world order, economic life, and race prejudice. Typical secular theories of economic organization and social reconstruction are viewed from the perspective of the ethic implicit or explicit in Hebrew prophecy and the teachings of Jesus. Included is an evaluation of the ideas of representative religious thinkers such as Brunner, Maritain, the Archbishop of Canterbury, Niebuhr, Bennett, and Macmurray.

310. Seminar. Either or both semesters. One credit each semester. Open only with consent of instructor. Hours by arrangement.
       Mr. Baldwin.
       Directed readings and round table discussions of special topics in the field of philosophy.

PHYSICAL EDUCATION

ASSOCIATE PROFESSORS E. G. VAN BIBBER*, J. O. CHRISTIAN;
PROFESSOR R. J. GUYER; ASSOCIATE PROFESSOR JOSEPHINE A. ROGERS;
ASSISTANT PROFESSORS D. S. WHITE, ELSIE E. PAULSON, C. F. FISCHER,
E. G. SVENDSEN; ASSISTANT INSTRUCTOR STEPHANIE LETITIA.

DR. R. L. GILMAN.

The purpose of the 100's courses offered in the Physical Education Department is to develop the spirit of cooperative play and reasonable skills in a variety of activities. The 200's courses as organized give training that will meet the requirements of the State Board of Education for instructors of physical education. Qualified students may major in physical education or may carry the work as a field related to another major. Major work should be carried in addition to work necessary for certification in other

* On leave for war service.
fields, since in Connecticut many high school coaches and instructors in physical education teach other subjects in the school's curriculum. Students expecting to enter this field of teaching should consider the wisdom of planning their work on a five-year basis. Chemistry 260, Elementary Physiological Chemistry; Nutrition 263, Nutrition; Education 242, Education Tests and Measurements and Zoology 231, Human Physiology, will all be accepted toward a major in physical education.

101. Physical Education Activities for Men. Both semesters; summer, both terms. One non-academic credit each semester. Three 1-hour laboratory periods.

Mr. Christian, Mr. Fischer, Mr. Guyer, Mr. Svendsen, Mr. White.

The following activities will be offered: Fall—football, soccer, track and cross country; winter—basketball, volleyball, swimming and gymnastics; spring—tennis, archery, track and baseball. Any student who is unable to swim 100 yards will be required to take instruction for one semester.

For the duration of the war this course has been modified to meet the needs of a physical fitness program. It is continuously required of all male students in the institution unless specifically excused.

103. Minor Sports. Both semesters. One credit each semester. One class period and two 1-hour laboratory periods. Open to sophomore men. Mr. Guyer.

Study of the technique and rules in the following sports: Tennis, volleyball, swimming, playground ball, speed ball and gymnastics. The course is offered to provide opportunity to men desiring to go further in their development of skills and technique in games.

111. Physical Education Activities for Freshman Women. Both semesters; summer, both terms. One non-academic credit each semester. Three 1-hour laboratory periods.

Miss Rogers, Miss Paulson, Miss Letitia.

Sections A, B, C, D, first semester: Fall—hockey, swimming or speedball; winter—basketball and recreational games, or swimming. Sections A, B, C, D, second semester: Winter—dancing; spring—students may elect from archery, baseball, golf or tennis. Any student unable to pass the swimming test will be required to take swimming the first semester.

Section K: Students who are advanced in skills, who have passed the swimming test and who desire to try for the University Awards given by the Women's Athletic Association may elect the following sports: Fall—hockey or advanced tennis; winter—basketball or winter sports; spring—archery or advanced tennis.

112. Physical Education Activities for Sophomore Women. Both semesters; summer, both terms. One non-academic credit for each semester. Three 1-hour laboratory periods. Prerequisite: Physical Education 111.

Miss Rogers, Miss Paulson, Miss Letitia, Mr. Guyer.

Section A, first and second semester: Fall—archery, tennis or advanced tennis; winter—archery, advanced swimming, winter sports, or badminton, paddle tennis and recreational games; spring—archery, tennis or life-saving.

Section B: Fall—archery, golf or tennis; winter—archery or badminton, paddle tennis and recreational games; spring—archery, golf or tennis.

Section C: Fall—archery, golf or tennis; winter—modern dancing; spring—archery, golf or tennis.

Section K: Students who are advanced in the skills and who desire to try for the University Awards given by the Women's Athletic Association, may elect from the following sports: Fall—hockey or advanced tennis; winter—basketball or winter sports; spring—archery, baseball or tennis. (Awards may also be earned in badminton and swimming. Laboratory periods by arrangement.)

205. Officiating of Football and Soccer. First semester. One credit. One class period and two 1-hour laboratory periods. Open only with consent of instructor. Hours by arrangement.

Mr. White.

The theory and practice of officiating football and soccer.

206. Officiating of Baseball, Basketball, Swimming and Track. Second semester. One credit. One class period and two 1-hour laboratory periods. Open only with consent of instructor. Hours by arrangement.

Mr. White.

The theory and practice of officiating in these sports.
209. **Prevention and First Aid Treatment of Athletic Injuries.** Second semester. One credit. One class period and two 1-hour laboratory periods. Th4 and laboratory by arrangement.  
**Mr. Fischer, Dr. Gilman.**  
Students receive instruction in the theory and practice of training methods, and the prevention and first-aid treatment of common athletic injuries.

211. **Methods of Teaching Aquatics and Life Saving.** Second semester. Two credits. One class period and three 1-hour laboratory periods. Open to men and women. M6, MWF7.  
**Miss Rogers, Mr. Fischer.**  
This course includes the theory of swimming, diving, life-saving and water safety, and a comparison of teaching methods. The life-saving practice may lead to certification by the American Red Cross as a Senior Life Saver or Instructor.

225. **Introduction to Physical Education.** First semester. Three credits. Three class periods. MWF2.  
**Mr. Svedsen.**  
A study of the history, principles and biological aspects of physical education, with special reference to its place in education and the comparative value of various activities.

226. **Contemporary Principles of Physical Education.** Extension. Two credits. Two class periods. Hours by arrangement.  
**Mr. Christian.**  
An orientation to present-day practices in physical education, health education, safety education and recreation. Special attention will be given to problems in the above fields, to develop a point of view tenable for present-day needs.

240. **Health Education.** First semester. Three credits. Three class periods. Prerequisite: Zoology 111 and Physical Education 225. TThS2.  
**Mr. Fischer.**  
A course designed to bring the best practices and principles of the various health activities into a workable correlated program of health education. An elementary knowledge of physiological chemistry, bacteriology and nutrition is highly desirable.

248. **Technique of Coaching Football.** First semester. Two credits. Two class periods and at least one 2-hour laboratory period with further observation periods as necessary. Open only with consent of instructor. TTh3 and laboratory by arrangement.  
**Mr. Christian.**  

249. **Technique of Coaching Basketball.** Second semester. One credit. One class period and at least one 2-hour laboratory period with further observation periods as necessary. Open only with consent of instructor. T3 and laboratory by arrangement.  
**Mr. White.**  

251. **Technique of Coaching Baseball.** Second semester. One credit. One class period and at least one 1-hour laboratory period with further observation periods as necessary. Open only with consent of instructor. Th3 and laboratory by arrangement.  
**Mr. Christian.**  
Theory and practice in the fundamentals of baseball.

252. **Technique of Coaching Soccer.** First semester. One credit. One class period and at least one 1-hour laboratory period with further observation periods as necessary. Open only with consent of instructor. M7 and laboratory by arrangement.  
**Mr. Fischer.**  
Theory and practice in the fundamentals of soccer.

253. **Technique of Coaching Track.** Second semester. One credit. One class period and at least one 1-hour laboratory period with further observation periods as necessary. Open only with consent of instructor. T4 and laboratory by arrangement.  
**Mr. Fischer.**  
Theory and practice in the fundamentals of track and field athletics.
258. **Leadership in Sports.** First semester. Three credits. Three class periods and one 1-hour laboratory period. Open only to women. MWF4 and laboratory by arrangement. Miss Paulson.

A course to cover the organization, coaching and officiating of individual, dual and team games with their application to high school presentation. Practical work in organizing an intramural program. Play days and Sports days will be given. A certain amount of officiating in team sports will be required.

259. **Leadership Organization.** Second semester. Three credits. Three class periods and one 1-hour laboratory period. Open only to women. MWF4 and laboratory by arrangement. Miss Rogers.

A course designed to aid the student in the construction of a physical education program in the junior and senior high school, and the organization and leadership of leisure time activities on playgrounds and summer camps. A certain amount of emphasis will be given to the organization of pageants, dance recitals and folk dance festivals.


This course provides training and experience in recreational leadership for school and community activity. It includes the organization and administration of recreational activities.

261. **Coeducational Recreational Sports.** Second semester. One credit. Three class periods. Open to men and women. Hours by arrangement. Miss Rogers, Mr. Svendsen.

A study and practice of co-recreational activities, to be used in elementary and secondary school situations.

265. **The Study of Dance Forms.** First semester. Three credits. Two class periods and one 2-hour laboratory period. Open only with the consent of the instructor. TTh4 and laboratory by arrangement. Miss Rogers.

A study of the rhythmic fundamentals upon which all dancing is based; the history of dancing; and the development of various forms. Special emphasis will be placed on the study of folk dancing, American country dancing and modern creative dancing. A repertoire of dance material will be taught to meet the demands of a physical education and a leisure time program in the junior and senior high school.


Problems of organization, administration and supervision; discussion of problems in physical education activities. Discussion of the place of athletics in the program; schedule making; planning gymnasium and athletic fields; purchase and care of equipment.

300. **Independent Study.** Either or both semesters; summer, either or both terms. Credits and hours by arrangement. Open only with the consent of instructor. Mr. Christian, Miss Rogers.

301. **Research in Physical Education.** Either or both semesters. Credits and hours by arrangement. Open only with the consent of instructor. Mr. Christian, Miss Rogers.

**PHYSICS**

Professor F. A. Ferguson; Assistant Professors W. H. Kinsey, H. W. Hunter;* Instructor R. S. Larue.

Students whose major is in the physical sciences are referred to Chemistry 252 and 253.

100. **Elements of Physics.** Either or both semesters; summer, first term. Three credits. Three class periods and one 2-hour laboratory period. Mr.

A course covering general principles and fundamentals of physics with introduction to quantitative laboratory, for those who have not had secondary school physics.

* On leave for war service.
110. **General Physics for Engineers.** Both semesters; summer, both terms. Four credits each semester. Three class periods and one 3-hour laboratory period. Not open to students who have taken Physics 120. Prerequisite: Physics 100 or equivalent, and Mathematics 112.

Mr. Kinsey.

This course deals with essential and basic principles of physics which are requisite to a study of more advanced engineering subjects. Emphasis is placed on engineering applications and practical problems. The first semester treats of mechanics, heat and sound; the second, of magnetism, electricity, light and atomic physics.

120. **General Physics.** Both semesters; summer, both terms. Four credits each semester. Three class periods and one 3-hour laboratory period. Not open to students who have taken Physics 110. Prerequisite: Physics 100 and Mathematics 107.

Mr. Ferguson.

A presentation of the general principles of physics which find wide application in the several fields of science. The laboratory offers fundamental training in exact measurements.

210. **Introduction to Modern Physics.** Both semesters. Three credits each semester. Three class periods. Prerequisite: Physics 110 or 120, and Mathematics 112, which may be taken concurrently. TTh83.

Mr. ————.

A course covering the main developments in contemporary physics. Among the subjects included are kinetic theory, atomic and nuclear structure, X-rays, radioactivity, spectroscopy and astrophysics.

225. **Acoustics.** First semester. Three credits. Three class periods. Prerequisite: Physics 110 or 120. MWF4.

Mr. Ferguson.

A survey course for students in physics, music and psychology, and others interested in related fields.

240. **Mechanics and Heat.** First semester; summer, second term. Three credits. Three class periods. Prerequisite: Physics 110 or 120 and Mathematics 112. Physics 215 is recommended as a laboratory course to be taken concurrently. TTh84.

Mr. Kinsey.

An advanced course in the fundamentals of mechanics and heat.

245. **Physical Measurements.** First semester. Two credits. One class period and one 3-hour laboratory period. Prerequisite: Physics 110 or 120 and Mathematics 112. Recommended to be taken concurrently with Physics 240. Th2, Th6-8.

Mr. Ferguson.

An advanced course in the theory and practice of accurate quantitative measurements in mechanics and heat.

260. **Electricity and Magnetism.** Second semester. Three credits. Three class periods. Prerequisite: Physics 110 or 120, and Mathematics 112. Physics 265 is recommended as a laboratory course to be taken concurrently. MWF4.

Mr. Ferguson.

A foundation course in the fundamental theories of magnetism and electricity.

265. **Electrical Measurements.** Second semester. Two credits. One class period and one 3-hour laboratory period. Prerequisite: Physics 110 or 120, and Mathematics 112. Recommended as a laboratory course to be taken concurrently with Physics 260. Th2, Th6-8.

Mr. Ferguson.

An advanced course in the theory and practice of accurate quantitative measurements in electricity.

280. **Light.** Second semester. Three credits. Two class periods and one 3-hour laboratory period. Prerequisite: Physics 110 or 120, and Mathematics 112. Hours by arrangement.

Mr. Kinsey.

A course covering propagation, reflection, refraction, diffraction, interference, and polarization of light. The laboratory period offers training in the use of various optical instruments.

300. **Independent Study.** Either or both semesters; summer, either or both terms. Credits and hours by arrangement. Prerequisite: Physics 120, Mathematics 112 and consent of instructor.

Departmental Staff.
A special reading course for students who are majoring in physics or who are candidates for the degree with distinction.

320. **Theoretical Physics.** Second semester. Three credits. Three class periods. Prerequisite: Physics 210 and Mathematics 203. Hours by arrangement. **Mr._____**.

An analytical approach to the fundamental concepts of physics.

**POULTRY HUSBANDRY**

**Professor H. M. Scott; Assistant Professors T. B. Avery, L. D. Matterson; Assistant Instructor J. H. Lunn.**

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**Professors W. Landauer, E. Jungherr.**

205. **Poultry Production.** Second semester. Three credits. Two class periods and one 2-hour laboratory period. Open to sophomores. TTh1, M6-7. **Mr. Avery.**

An introductory course designed to familiarize the student with the principles of breeding, incubation, brooding, nutrition, housing, diseases and marketing.

216. **Poultry Management.** Second semester. Three credits. Two class periods and one laboratory period. Prerequisite: Poultry Husbandry 205. MW3 and laboratory by arrangement. **Mr. Avery.**

An analysis of the management practices employed on the various commercial poultry enterprises of this area such as market egg farms, hatching egg farms, broiler plants, etc. Laboratory work will consist of numerous visits to poultry farms, laboratories, egg auctions, etc.

(This course was formerly partly covered in numbers 215 and 225.)

220. **Poultry Judging and Selection.** First semester. Three credits. One class period and four 1-hour laboratory periods. F3, TThF9. **Mr. Avery.**

A consideration of the physiological and morphological characters correlated with egg production. The judging of standard bred poultry. The personnel of the poultry judging team which usually competes in the intercollegiate contest will be selected from students enrolled in this course.

230. **Poultry Marketing.** First semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Poultry Husbandry 205. Alternate years; to be given in 1944-45. MW4, W6-7. **Mr. Avery.**

Buying, grading, packing, preservation, transportation and distribution of eggs and poultry. Egg processing. Feeding station operations. Consumers' preference.

250. **Poultry Nutrition.** First semester. Three credits. Two class periods and one 2-hour laboratory period. Th1, Th6-7. **Mr. Scott.**

Special consideration will be given to the nutritive requirements for growth, egg production, hatchability and viability and to the methods employed to determine the vitamin, mineral, protein and energy needs of the fowl. The essentiality of specific nutrients for chick nutrition will be demonstrated. Students will prepare and feed these diets in the time allotted for the laboratory period.

260. **Poultry Breeding.** Second semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Genetics 210. MW2, M6-7. **Mr. Scott.**

Physiology of avian reproduction. The mode of inheritance of (1) morphological and (2) physiological characters. The role of the endocrine glands and environment on character expression. Systems of breeding.

Artificial insemination, sex identification in day-old chicks, hormone therapy, operative technics, wing banding and other operations involved in pedigree breeding will be stressed in laboratory.

265. **Incubation and Brooding.** Second semester. Three credits. Two class periods and the equivalent of one 2-hour laboratory period. Alternate years; to be given 1943-44. MW1 and laboratory by arrangement. **Mr. Avery.**
A critical analysis of the physical, environmental and physiological factors influencing fertility and hatchability. The organization of the commercial hatching industry. Hatchery management. Operation of incubators and brooders in laboratory.

(This course was formerly partly covered in number 215.)

300. Investigation of Special Topics. Either or both semesters. One to three credits. Open to qualified seniors and graduate students. Hours by arrangement.

Mr. Scott, Mr. Avery.

Students are required to pursue a special problem in one or more of the following fields: nutrition, breeding, marketing, incubation or management. Review of literature, analysis of original data and manuscript are required.

311. Poultry Seminar. Second semester. One credit. One class hour. Open to juniors. Students specializing in poultry husbandry should take this course in both the junior and senior years. F3.

Mr. Scott, Mr. Avery.

After selecting a topic on contemporary problems, the literature is reviewed, an abstract with bibliography prepared and the subject matter presented orally before the seminar.

(This course was formerly number 310.)

PSYCHOLOGY

ASSOCIATE PROFESSOR W. A. BOUSFIELD; ASSISTANT PROFESSOR F. A. MOTE, JR.*; INSTRUCTOR V. NOWLIS, MR._

ASSOCIATE PROFESSORS F. HEISER, L. H. COHEN, M.D.

The course program provides for the needs of both graduate and undergraduate students. It includes general survey, specialized and research study units. Clinical training is offered in cooperation with the Norwich State Hospital.

Prospective majors should secure a satisfactory background in the basic sciences. It is advisable to take at least one course before the junior year in each of the following: Zoology, physics, chemistry and mathematics.

131. Introductory Psychology. Either semester; summer, first term. Three credits. Two class periods and one 2-hour laboratory period. DEPARTMENTAL STAFF.

The aim of this course is to introduce the student to the facts and principles of psychology with emphasis on the methods and results of experimental investigations. The content includes lectures, discussions, and group experiments on such topics as learning, personality, control of action, sensation, perception and emotion.


Mr._

A consideration of the practical applications of psychological laws and principles in motivation, study habits, personal adjustments, vocational guidance, leadership, athletics, sensory handicaps, law and medicine. The treatment of topics stresses their immediate personal value.

235. Experimental Psychology. First semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Psychology 131. MW1, Th6-7.

Mr._

This course is designed to acquaint the student with the fundamentals of scientific method as applied to the problems of general experimental psychology. It includes a review of classic experiments in psychology as well as a program of laboratory work.

(This course was formerly number 237.)


Mr. Bousfield.

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* On leave for war service.
Detailed consideration is given to the activities and development of normal and abnormal children. The course includes a study of original nature, experimental findings in infant and child behavior, and the ways in which native equipment is altered by use. Critical evaluation of methods and interpretations is stressed.

239. **Psychology of Personality.** First semester; summer, second term. Three credits. Three class periods. Prerequisite: Psychology 131. Not open to students who have taken Psychology 239X. MWF2. Mr. Nowlis.

Consideration of the problems of motivation and individual adjustment. Special emphasis is given to the structure of personality, genesis of personality traits, basic motivations and reactions to frustration.

239X. **Psychology of Personality.** Extension. Two credits. Two class periods. Prerequisite: an elementary course in psychology. Not open to students who have taken Psychology 239. Hours by arrangement. Mr.———.

A less extensive treatment of the material included in Course 239.


An examination of the psychology of individual human behavior as it influences and is modified by the modern social environment. Emphasis is placed on the psychology of social adjustment rather than on theories of group life. Methods and results of experimental investigations are discussed.

241. **Psychology of Abnormality.** Second semester. Three credits. Three class periods. Prerequisite: Psychology 200 and 239. TTh9-10. Mr.———.

The various forms of mental disorder, their origin, treatment, prevention and social significance. Study of mental deficiency and special abilities and disabilities. Particular attention is centered in the relation between these aberrations and problems of normal human adjustment.

268. **Industrial Psychology.** Second semester. Three credits. Three class periods. Prerequisite: Psychology 131. MWF4. Mr.———.

The purpose of this course is to give the student an understanding of psychological factors in business and industry. Special attention is given to the topics of advertising, vocational selection, salesmanship, accident prevention, industrial fatigue, market research and psychological tests used in industry.

276. **Psychometric Methods.** First semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Psychology 131, Economics 260 or the equivalent, and consent of instructor. TTh2, M6-7. Mr.———.

A course designed to acquaint the student with psycho-physical and psychological methods of measurement. Special attention is given to the theory and practice involved in mental test methods.

279. **Personality Measurement.** Second semester. Two credits. Two class periods. Prerequisite: Psychology 131. TTh2. Mr.———.

Critical appraisal of the development and significance of tests used in the measurement of personality characteristics. Students receive training in the principles and techniques underlying test construction, standardization, application, and interpretation. The content includes a survey of standardized tests of attitudes, interests, values, emotionality, adjustment, and musical, artistic and vocational aptitudes.

300. **Independent Study.** Either semester; summer, either or both terms. Credits and hours by arrangement. Open only with consent of instructor. Departamental Staff.

304. **Research in Psychology.** Either semester. Credits and hours by arrangement. Open only with consent of instructor. Departamental Staff.

338. **Experimental Psychology.** Second semester. Credits and hours by arrangement. Prerequisite: Psychology 235. Mr. Bousfield.

A continuation of Psychology 235. Each student conducts an original investigation as soon as he shows a mastery of experimental techniques. The class period is devoted to critical evaluations of the students' work and of published reports of experimental findings.

Beginning with the intellectual antecedents of experimental psychology, a study is made of outstanding men and their contributions to the development of modern psychology. The modern schools of psychology receive critical treatment.


Current problems of broad systematic interest furnish the basis for discussion.


The aim of the course is to provide the student with: (1) an understanding of the common clinical symptoms; (2) skills in the use of psychological tests in measuring and diagnosing normal and abnormal mental functions.


The purpose of this course is to give the student enough familiarity with psychiatric literature, case material and methods to provide a background for the formulation of specific theoretical problems in abnormal psychology. The material is drawn from a patient population of 2,400 representing all psychiatric and etiological classifications. The class periods are devoted to lectures and the formal presentation by students of reports on specific topics. The observation periods consist of attendance at diagnostic staff conferences at which the students see the integration of medical, neurological, social and psychiatric data, and points of view, by a staff of 15 specialists led by the instructor.

SOCIOLOGY

Professors J. L. Hypes, N. L. Whetten; Associate Professors V. A. Rapport, J. H. Barnett; Assistant Professor E. G. Burrows; Instructors H. G. Stetler, W. H. Kelly, Lucretia B. Cunningham.

The primary aim of the course offerings in sociology is to give students a clear understanding of the data, the principles, and the problems of the field. Thus the courses are broadly cultural. However, a number of the courses have an important secondary vocational and utilitarian aim, in that the data and methods of sociology are focused upon a number of specialized aspects of group life. These include the family, social organization, social work, criminology and sociological research. In fact, sociology, supplemented by courses in appropriate related departments, constitutes a suitable major as a foundation for graduate and professional work in teaching, family case-work and other forms of social work, social organization in its various applied aspects, nursing, law, government service, social investigation and other applied fields. The sociology staff is equipped to render guidance to students who contemplate professional work in any of these fields, and especially in the field of social work.


A study of the culture of primitive man, including the influences of geographical environment, social institutions, economic organization and primitive religion. This course and Sociology 103 constitute an introduction to the study of sociology.

103. Introduction to Sociology. Either semester; summer, first term. Three credits. Three class periods. Mr. Barnett, Mr. Stetler.

A systematic analysis of group life, social organization, processes of interaction and means of social control. This course and Sociology 102 constitute an introduction to the study of sociology.

* On leave for war service.
215. **Contemporary Social Problems.** Either semester; summer, first term. Three credits. Three class periods. Open to sophomores. MWF3. **Mr. Steitler.**

A number of the more insistent contemporary social problems are studied, with emphasis on their origins, extent, and significance.

216. **Criminology and Penology.** First semester. Three credits. Three class periods. Prerequisite: Sociology 103. MWF1. **Mr. Barnett.**

An analysis of the data and theories of the causation of crime and juvenile delinquency. Historical and contemporary materials on criminal law and penal practice are utilized.

220. **Primitive Society.** Second semester. Three credits. Three class periods. Prerequisite: Sociology 102. TThS2. **Mr. Burrows.**

A study of the social institutions of primitive peoples including an analysis of primitive kinship and marriage, community organization, political institutions, primitive economics and the role of the individual in these institutions.

225. **Primitive Art.** First semester. Two credits. One 2-hour period. Open with consent of instructor. M6-7. **Mr. Burrows.**

This course is intended to broaden the understanding of art, including folk literature, music, and dancing, as well as graphic arts, by studying these activities in various simple cultures. Readings and reports.

240. **Minority Groups.** Second semester. Three credits. Three class periods. Prerequisite: Sociology 215, or consent of instructor. Alternate years; to be given in 1944-45. TThS1. **Mr. Steitler.**

An analysis of racial, national, and cultural minority groups in the United States with special emphasis upon problems involved in their assimilation. Added consideration is given to historical backgrounds and immigration policy.

250. **Sociology of the Family.** First semester. Three credits. Three class periods. Prerequisite: Sociology 102 or 220 (preferred). Sociology 103 recommended. TThS3. **Mr. Hypes.**

A general introduction to the study of marriage and the family. After a very brief review of historical forms and theories of family organization and membership roles, an analysis is made of the contemporary family as a primary group, noting its foundations, current trends, problems, and agencies supplementing its traditional functions.

251. **Family Organization.** Second semester. Three credits. Three class periods. Prerequisite: Sociology 102 and 103, or 220, or 250. TThS3. **Mr. Hypes.**

This course deals in a mature way with a number of the forces that play upon the modern family as a group of interacting personalities, and examines some of the more important problems of family organization and disorganization, education for parenthood, and agencies that deal with domestic problems.

255. **Population.** Second semester. Three credits. Three class periods. Prerequisite: Six credits in social science. Alternate years; to be given in 1943-44. TThS1. **Mr. Steitler.**

A study of the size, growth, composition, and distribution of the population. Emphasis is placed on the social significance of the nature and change of population.

260. **Social Organization.** First semester. Three credits. Three class periods. Prerequisite: Sociology 102 or 103. F6, W6-7. **Mr. Barnett.**

A study of the social organization of contemporary American society with special emphasis on the basic institutions of this society, such as the church, the family, selected economic institutions, and the school. An analysis is made of the interrelations of these institutions and their place in American culture. Attention is focused on both the informal and formal aspects of the organization of this society.

265. **Public Opinion.** Second semester. Two credits. One 2-hour class period. Open to juniors and seniors in the social sciences; to other upperclassmen with consent of instructor. M6-7. **Mr. Barnett.**

An analysis of the nature and sources of contemporary public opinion with special attention to types of censorship and to modern propaganda devices. Lectures, readings, and research papers.
280. The City. First semester. Three credits. Three class periods. Prerequisite: Six credits in sociology. MWF2.
A study of urbanization, its origin, rise, present importance and probable future development.

282. Introduction to Social Work. First semester. Two credits. One 2-hour class period. Open to seniors in the social sciences, and to others only with consent of instructor. Hours by arrangement. MRS. CUNNINGHAM.
Four aspects of contemporary social work are studied in this course: social case work, social group work, public welfare, and community organization. The primary aim of this approach is to aid the student contemplating a professional career in this field to select that phase of social work in which he is most interested.

A study will be made of the changing concepts underlying public assistance with emphasis upon present development of social case work in public assistance. This will include discussions of administrative relationships and case work philosophy on federal, state, and local levels. Such questions as the right of the individual to public assistance, the responsibility of the state to develop standards for a constructive program of family welfare, and special problems relating to the administration of Old Age Assistance, Aid to Dependent Children, and Aid to the Blind will be considered.

290. Rural Sociology. First semester. Three credits. Three class periods. Prerequisite: Sociology 103. MWF4. MR. WHETTEN.
A systematic study of rural society from the standpoint of its population, institutions, standards of living and relation to urban society.

300. Social Theory. Second semester. Three credits. Three class periods. Open to seniors with consent of instructor. Previous work in philosophy is advised. Hours by arrangement. MR. BARNETT.
An examination of some important problems of social theory as treated in the works of selected social philosophers and sociologists, such as Plato, Montesquieu, Tarde, Spencer, Marx, Summer, Durkheim, and others.

305. Investigation of Special Topics. Either semester; summer, first term. Credits and hours by arrangement. Open only to seniors with a major in sociology and graduate students with consent of instructor. DEPARTMENTAL STAFF.
Systematic course work, or special topical readings or investigations, according to the needs of each student.

311. Social Research. Second semester. Credits and hours by arrangement. Prerequisite: A course in statistics. Open only with consent of instructor. Alternate years; to be given in 1943-44. MR. WHETTEN.
A study of the theory and application of research methods in social investigation.

ZOOLOGY

PROFESSOR R. M. DECOURSEY; ASSOCIATE PROFESSORS J. A. MANTER, H. S. BELDING*; ASSISTANT PROFESSORS D. C. G. MACKAY, R. J. BUSHNELL; INSTRUCTORS L. R. PENNER, N. MARSHALL, M. RUNNER.

PROFESSORS L. B. CRANDALL, W. LANDAUER

The Department of Zoology offers courses designed to meet the needs of those who desire a general survey of the field of zoology as well as courses designed for the training of teachers, premedical students, entomologists and those who intend to pursue graduate work in zoology. Students planning to major in the department should complete one or more of the following courses before the end of their sophomore year: Zoology 121, 203, 204, 223, or Genetics 210. Premedical students not majoring in

* On leave for war service.
the department are advised to take two or more of the following courses: Histology (213), Vertebrate Zoology (227 and 228), Human Physiology (231), Embryology (215), Genetics (210), Parasitology (244).

111. **Human Anatomy and Physiology.** Either semester; summer, first term. Three credits. Three class periods.

*Mr. DeCoursey, Mr. Marshall, Mr. Penner, Mr. Runner.*

An introductory course, the aim of which is to present the important biological principles as they apply to man. A survey is made of the anatomy and physiology of the organ systems.

121. **Introduction to Zoology.** Either semester; summer, second term. Four credits. Three class periods and one 2-hour laboratory period.

*Mr. MacKay, Mr. Marshall.*

A survey of the main types of animals, their classification, structure and life history. Laboratory work on representative animals.

(This course was formerly number 120.)

203. **Animal Ecology.** Second semester; summer, second term. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Zoology 121. Open to sophomores. MW3, W6-7.

*Mr. MacKay.*

A survey of the relationship existing between animals and their habitats. Emphasis is given to animal distribution, animal succession, animal aggregations, field methods and economic ecology.

204. **Animal Behavior.** Second semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Zoology 111 or 121. TTh3, Th6-7.

*Mr. MacKay.*

A comparative study of animal behavior with special reference to the reactions of animals under controlled conditions. The phylogenetic viewpoint is maintained throughout.

213. **Descriptive Vertebrate Histology.** Second semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: One of the following courses: Zoology 121, Botany 110 or Bacteriology 205. Open to sophomores. TTh3, M6-7.

*Mr. Bushnell.*

This course will consist of lectures and laboratory study on the microscopical anatomy of various cells, tissues and organs of the animal body. The emphasis will be very largely on mammalian material, but tissues from other vertebrates will be included. Some reference will be made, both in the lectures and in the laboratory work, to basic methods in the preparation of slides for microscopical observation, but students who desire to acquire more specialized histological and cytological techniques are advised to take Zoology 214.

(This course was formerly partly covered in number 212.)

214. **Histological Technique.** First semester. Two credits. Two 2-hour laboratory periods. Prerequisite: Zoology 213, or consent of instructor. M6-7, S3-4.

*Mr. Bushnell.*

The purpose of this course is to acquaint the student with the various basic techniques used in the preparation of material for microscopical study. More capable students will be afforded the opportunity to learn various special methods in this field. This course is strongly recommended for students contemplating work in any of the strictly biological sciences and for prospective medical technicians; it is not necessarily a part of the basic premedical or predental program.

(This course was formerly partly covered in number 212.)

215. **Embryology.** Second semester. Four credits. Two class periods and two 2-hour laboratory periods. Prerequisite: Zoology 213. TTh2, WF6-7.

*Mr. Runner.*

A study of the early embryological development of certain representative vertebrates, including fertilization, cleavage, and the origin and establishment of the various organ systems. Special emphasis will be given the development of the chick, and some reference to experimental work will be included.
[221. **Field Zoology, Invertebrate.** Summer session. Three credits. Prerequisite: An introductory course in college zoology. (Not to be given summer 1943.) 

**Mr. DeCousey.**

Lecture, field and laboratory work devoted to studying the invertebrate animal life of various habitats in the vicinity of the University.]

[222. **Field Zoology, Vertebrate.** Summer session. Three credits. Prerequisite: An introductory course in college zoology. (Not to be given summer 1943.) 

**Mr. DeCousey.**

Lecture, field and laboratory work devoted to studying the vertebrate animal life of various habitats in the vicinity of the University.]

223. **Invertebrate Zoology.** First semester. Three credits. Three class periods. Prerequisite: Zoology 120. Open to sophomores. MWF4. 

**Mr. MacKay.**

A study of invertebrate animals, including their biological and ecological relationships, and other fundamental principles of zoology. A phylogenetic viewpoint is maintained and the taxonomy of certain groups is stressed.

224. **Invertebrate Zoology Laboratory.** First semester. Two credits. Two 2-hour laboratory periods. Zoology 223 should be taken concurrently with this course. Open to sophomores. WF8-9. 

**Mr. MacKay.**

A laboratory course concerned primarily with a morphological study of certain types representing the more important invertebrate phyla.

227. **Vertebrate Zoology.** Second semester; summer, first term. Three credits. Three class periods. Prerequisite: Zoology 111 or 121. MWF2. 

**Mr. DeCousey.**

A detailed study of vertebrate animals, including their origin, phylogenetic history, and habits. The development of the various organ systems is traced through the principal classes of vertebrates.

228. **Vertebrate Zoology Laboratory.** Second semester. Two credits. Two 2-hour laboratory periods. Zoology 227 should be taken concurrently with this course. WF8-9. 

**Mr. Marshall.**

The laboratory work is a study of the comparative morphology of vertebrates, with particular emphasis on the organ systems of the dogfish and the cat.

231. **Human Physiology.** Either semester. Four credits. Three class periods and one 3-hour laboratory period. Prerequisite: Zoology 111. First semester: Sec. A—MWF2, M6-8; B—MWF2, T6-8. Second semester: Sec. A—MWF4, M6-8; B—MWF4, T6-8. 

**Mr. Runner.**

The course considers the physico-chemical functions of the principal organ systems, neuromuscular, circulatory, respiratory, digestive, excretory and internal secretions. The laboratory provides experiments designed to give familiarity with fundamental physiological processes.

232. **Human Physiology.** Second semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Zoology 231 and consent of instructor. Chemistry 240 recommended. TTh4, Th6-7. 

**Mr. Runner.**

Designed to supplement Zoology 231, this course offers a detailed consideration of the glands of internal secretion, reproduction, temperature regulation, and the special senses. If time permits, cell respiration and exercise metabolism will be considered. Reading of original papers in the important physiological journals will be required.

235. **Ornithology.** Second semester. Two credits. Two class periods. TTh1. 

**Mr. Manter.**

An introduction to the study of birds, including their habits, adaptations and biological importance. The classification and identification of local Connecticut birds will receive attention. A knowledge of bird life should be of use to biologists in general and of cultural value to many others as an avocation. Field observations and early morning field trips will be required during the spring migration.

250. **General Entomology.** First semester. Three credits. Three class periods. Not open to students who have had Entomology 152. If after passing this course
students wish to elect other courses in entomology or to major in the subject, they should take the laboratory and field work of Entomology 152. Open to sophomores. MWF1.  

Mr. Manter.

This course offers an opportunity for students in Arts and Sciences to gain a biological view of the field of entomology and to broaden their general knowledge of animal biology. The reasons why insects have been so successful in competition with other members of the animal kingdom will be discussed. The fundamentals of structure, development and habits are studied to understand better the relationships of the insects to other forms of life and their possibilities for usefulness or destructiveness.

[285. Biological Theory. Summer session. Three credits. Open only with consent of instructor. (Not to be given summer 1943.) Departmental Staff.

This course surveys certain major theories of biology and, in particular, the theory of the origin of species by organic evolution. The history and development of this latter theory is utilized as an example of the evolution of biological thought from its beginnings to the present. Various modern theories of biology and their application to current biological problems will also be considered.]

300. Independent Study. Either or both semesters; summer, either or both terms. One credit each semester. Hours by arrangement. Departmental Staff.

A reading course of advanced character for those wishing to pursue special work in zoology. It may also be elected by students preparing to be candidates for degrees with distinction.

303. Research in Zoology. Either or both semesters; summer. Credits and hours by arrangement. Open only with consent of instructor. Departmental Staff.

Conferences and laboratory work covering selected fields of zoology.


The seminar offers an opportunity for study and discussion of biological research, book reviews and current periodicals.

Genetics

210. Introduction to Genetics. Either semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Botany 110 or Zoology 121. Open to sophomores. Th4, F6-7. Mr. Bushnell.

This course deals with the laws of variation and inheritance, the basis for the practical breeding of animals and plants. Attention is also briefly directed to human heredity and to eugenics.

241. Advanced Genetics. Second semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Genetics 210 and consent of instructor. Hours by arrangement. Mr. Bushnell.

A consideration of certain advanced topics with special reference to the results of recent investigations. Laboratory work will be devoted to drosophila breeding and to those phases of cytology most directly concerned with genetics.

301. Research in Genetics. Either or both semesters. Credits and hours by arrangement. Prerequisite: Genetics 241 and consent of instructor. Mr. Bushnell.

Parasitology

244. Introduction to Animal Parasitology. First semester. Four credits. Prerequisite: Zoology 121. Two class periods, and two 2-hour laboratory periods or one 4-hour laboratory period. Sec. A—TTh1, TTh3-4; B—TTh1, S1-4. Mr. Penner.

This course deals with the protozoan and metazoan parasites of man and other animals. Emphasis is placed on the widespread occurrence of parasites, their current economic importance in health and disease of man and other animals, methods of
diagnosis and control in the living host, life histories, host-parasite relationships, and study of prepared and living illustrative material.

308. **Research in Parasitology.** Either or both semesters. Credits and hours by arrangement. Conferences and laboratory work. Open only with consent of instructor. **Mr. Penner.**

**Entomology**

This branch of zoology provides elementary courses for students wishing an introduction to the subject, courses in economic entomology for students of agriculture, horticulture and forestry, and advanced courses for those intending to enter the profession of entomology or graduate study. Students who plan to select entomology as their major should complete Course 152 by the end of their sophomore year and take 254, 257 and either 253 or 269 during their junior year. Majors in entomology should obtain a strong foundation in the basic sciences during their early college years.

152. **Elementary Entomology.** Second semester. Three credits. Two class periods and one 2-hour laboratory period. MW1, F6-7. **Mr. Manter.**

The elements of insect structure, physiology, development and classification, to prepare for a better understanding of the life histories of injurious insects and the control methods to be used against them. The course presents to the student some of the broader aspects of the economic relation of insects to human welfare. Field trips are taken to observe insects at work and a collection is made by each student. This course is prerequisite to advanced courses in entomology.

252. **Forest Entomology.** First semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Entomology 152. Alternate years; to be given in 1944-45. TTh2, F6-7. **Mr. Manter.**

A study of the insect problems of the forest. The ecological and other factors which regulate insect abundance in forested areas receive special emphasis. The purpose of the course is to enable the student to gain knowledge of some fundamental economic problems in forestry for which insects are responsible. This course is especially designed for students in forestry, but may be taken by others.

253. **Economic Entomology.** First semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Entomology 152. Alternate years; to be given in 1943-44. TTh2, F6-7. **Mr. Manter.**

The most important insect pests, especially of the orchard, garden, field and greenhouse will be studied. The life histories and habits will be discussed in detail in an effort to gain a better appreciation of the control methods recommended. The laboratory and field work are planned to train the student to detect injury and to identify the insect responsible.

254. **Insect Morphology and Physiology.** First semester. Four credits. Two class periods and two 2-hour laboratory periods. Prerequisite: Entomology 152. Hours by arrangement. **Mr. Manter.**

An advanced course in which the student is expected to gain a more thorough knowledge of insect structures and their functions. The laboratory requires individual research upon structures that have comparative morphological value, developing the student’s ability in dissection, illustration and technique. Knowledge of insect morphology is basic to both systematic and advanced economic entomology.

257. **Systematic Entomology.** Second semester. Four credits. Two class periods and two 2-hour laboratory periods. Prerequisite: Entomology 254. Hours by arrangement. **Mr. DeCoursey.**

A continuation of Entomology 254. The purpose of the course is to furnish the student with a general and useful knowledge of scientific nomenclature in entomology and to give necessary taxonomic technique. It includes a general survey of the classification and biology of important insect groups. The laboratory work includes the identification of insects and practice in care and management of insect collections. A properly arranged and classified collection of insects is made by each student during the spring. Extra credit may be earned by summer collecting.
268. **Advanced Economic Entomology.** Both semesters. Five credits each semester. Three class periods and two 2-hour laboratory periods. Prerequisite: Entomology 253, which may be taken concurrently, and 257, and consent of the instructor. Hours by arrangement. **Mr. Manter.**

This course is intended for those who wish to give special study to this subject in preparation for future entomological work. Among the subjects considered are the history and literature of entomology, insect behavior, ecology, photography, the preparation of material for publication, and insect control. Each student will select a special problem so that he may have practice in the methods used in experiment and investigation. This work includes a study of the life history of living insects. Trips are made to entomological laboratories.

[269. **Biological Control of Insects.** Second semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Entomology 257, which may be taken concurrently. Alternate years; to be given in 1944-45. Hours by arrangement. **Mr. Manter.**

This course consists of a study of birds, disease organisms and predacious and parasitic insects that reduce the number of injurious insects. A study will be made of investigational control methods used by federal and state entomologists against such insects as the cottony cushion scale, gipsy moth, European corn borer and Japanese beetle. The purpose of the course is to give the student an understanding of the competition of living forms in its relation to insect abundance.]

305. **Research in Entomology.** Either or both semesters. Credits and hours by arrangement. Conferences and investigation. Open only with consent of instructor. **Mr. Manter.**

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**Apiculture**

201. **Beekeeping.** First semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Entomology 152. Hours by arrangement. **Mr. Crandall.**

A practical and scientific study of the beekeeping industry, including fall and winter management and the interrelation and interdependence of plants and insects.

202. **Beekeeping.** Second semester. Three credits. Two class periods and one 2-hour laboratory period. Prerequisite: Entomology 152. Hours by arrangement. **Mr. Crandall.**

The study of spring and summer problems in beekeeping, including swarming, management of bees for orchard pollination, commercial honey production and queen-rearing for the honey producer.

221. **Queen-rearing.** Second semester. One and one-half credits. Two class periods. Prerequisite: Apiculture 201 and 202. Hours by arrangement. **Mr. Crandall.**

The scientific principles by which commercial queen production has been developed. The successful completion of this course will enable the student to qualify as assistant to a queen breeder or to pursue advanced courses in beekeeping.
RELIGIOUS EDUCATION

Non-Credit Courses

REVEREND JAMES J. O'BRIEN, A.B., M.A., Counselor in Religion
REVEREND J. GARLAND WAGGONER, A.B., B.D., Counselor in Religion and University Chaplain
RABBI MAURICE L. ZIGMOND, PH.D., Counselor in Religion

The following courses in the history and articles of belief of the three major western faiths are given by the respective Counselors in Religion or others designated by the churches represented. They are independent of University supervision and control although the facilities of the University are available for other courses. Students register for these courses at the regular registration period and may do so in addition to a normal semester load.

103. Introduction to the English Bible. Second semester. One class period. Alternate years; to be given in 1943-44. Hours by arrangement. Mr.——.

The history, authorship and compilation of the Bible. Principles of biblical interpretation. Appreciation of the essential content and permanent significance of the Bible.


This course is designed to give a factual, objective presentation of the Catholic way of life—what a Catholic is expected to believe and to do in order to live up to the Catholic ideal. Such topics as the idea of religion, the existence and providence of God, the human soul, the Mass and the Sacraments, will be treated in full detail.

(This course was number 227 in 1942-43.)

206. The Message of the Old Testament Prophets. Second semester. One class period. Open to sophomores. Alternate years; to be given 1943-44. Hours by arrangement. Mr.——.

The rise and enrichment of the prophetic movement in Israel. The literary and religious values of the writings of the prophets. Special reference to their social teachings with application to modern conditions.

[210. The Life and Teaching of Jesus. Second semester. One class period. Open to sophomores. Alternate years; to be given in 1944-45. Hours by arrangement. Mr.——.

The formative events in the life of Jesus in their historical setting. A systematic presentation of the teachings of Jesus which relate to the religious development of the individual and to social welfare.]


A survey course which traces the history of the Jewish people from the beginning of the Biblical era to the end of the Second Commonwealth (70 C.E.).


A continuation of Course 215. The period covered is from the year 70 to modern times.


A discussion course concerned with current Jewish events with emphasis upon social and philanthropic movements.

Contemporary Jewish Scene. Both semesters. One class period. Hours by arrangement. Rabbi Zigmond.
223. **Elementary Hebrew.** Both semesters. One class period. Hours by arrangement. 
RABBI ZIGMOND.

This course is designed for those having no previous knowledge of the Hebrew language. After facility in reading is achieved, basic vocabularies and grammar will lead to the translation of simpler portions of the Biblical text.

233. **Christ and the Christian.** Both semesters. Two class periods. Open to sophomores and juniors.
REV. J. J. O'BRIEN.

The purpose of this course is to make a detailed study of the life of Christ on earth both in itself and in its application to the daily lives of Christians. The method to be followed will include a study of the gospel narrative, an explanation of the principle implied in the narrative, and finally an application of this principle to our life of today.

238. **Life's Problems.** Both semesters. Two class periods. Open to seniors.
REV. J. J. O'BRIEN.

This course is designed to give the Catholic answer to the problems of the day. Needs of the students will determine the content of the course. Students will present their own problems and the Catholic answer will be given. Classes will be conducted in the form of round-table discussions. Such problems as courtship and marriage, war and peace, capital and labor, democracy and totalitarianism will be discussed thoroughly as well as the problems which the students themselves present.

(This course was number 228 in 1942-43.)
RATCLIFFE HICKS SCHOOL OF AGRICULTURE
DIRECTORY OF COURSES
(Non-Degree Courses)

AGRICULTURAL ECONOMICS

21. Agricultural Marketing and Cooperation. Second semester. Three credits. Two class periods and one 2-hour discussion period. Mr. Perregaux. The efficient marketing of farm products and the organization and operation of cooperatives.

83. Farm Management. First semester. Three credits. Two class periods and one 2-hour laboratory period. Mr. Putnam. Principles and problems of farm management and their application on individual farms.

88. Agricultural Planning. Second semester. Two credits. One class period and one 2-hour laboratory and discussion period. Departmental Staff. The federal, state, and local planning agencies; their needs, aims and accomplishments.

AGRICULTURAL ENGINEERING

2. Farm Power and Machinery. Second semester. Three credits. One class period and two 2-hour laboratory periods. Mr.——. A laboratory study of the use, operation, care, and repair of gas engines, tractors, motors, power transmissions and power machinery.

3. Farm Shop. First semester. Two credits. Two 2-hour laboratory periods. Mr. Crandall. A laboratory course on the general repair of farm equipment, using such materials as iron, wood, concrete, paint, solder, rope, etc.

21. Farm Structures. Second semester. Two credits. Two 2-hour laboratory periods. Mr.——. A laboratory course on planning, designing, insulating, and ventilating farm buildings including choice, use, and costs of materials.

25. Dairy Mechanics. Second semester. Three credits. One class period, two 2-hour laboratory periods. Mr.——. A study of mechanical refrigeration, pumps, pipe fittings, boiler accessories, electric motors, insulation, etc.

AGRONOMY

22. Soils and Fertilizers. Second semester. Three credits. Two class periods and one 2-hour laboratory period. Mr. Dorsey. The characteristics of soil, the principles of tillage, fertilization, crop rotation, the effect of different fertilizers on soils and on crops and means of maintaining soil fertility.

27. Pasture Improvement. Second semester. Two credits. One class period and one 2-hour laboratory period. Mr. Dorsey. The basic principles of establishing and improving pastures, both temporary and permanent, including costs, fitting pastures to needs, and better land utilization.

50. Farm Crops. Second semester. Four credits. Three class periods and one 2-hour laboratory period. Mr. Dorsey. Practical consideration of crops and their sequence in crop rotations. Major emphasis on legumes and grasses for pasture, hay and silage.
ANIMAL DISEASES

24. **Non-Infectious Diseases.** First semester. Two credits. One 2-hour class-
laboratory period.

An introductory course on common non-infectious diseases of farm animals and
first aid.

25. **Infectious Diseases.** Second semester. Two credits. One 2-hour class-
laboratory period.

Parasitic and infectious diseases more commonly found in farm livestock.

ANIMAL GENETICS

10. **Animal Breeding.** Second semester. Three credits. Two class periods
and one 2-hour laboratory period.

The principles of breeding as applied to farm animals.

ANIMAL HUSBANDRY

3. **Market Classes and Breeds of Livestock.** First semester. Four credits.
Two class periods and two 2-hour laboratory periods.

Market classes and market requirements; adaptability and characteristics of
various breeds of livestock for commercial and purebred production.

8. **Livestock Management.** Second semester. Four credits. Three class
periods and one 2-hour laboratory period.

The selecting, breeding, feeding and care of horses, beef cattle, sheep and swine;
the fitting, showing and judging of livestock.

9. **Livestock Practices.** Second semester. Four credits. Four 2-hour labora-
tory periods.

A laboratory study of the feeding, care, fitting, management, and showing of live-
stock.

24. **Farm Meats.** First semester. Two credits. One class period and one 3-
hour laboratory period.

Methods of slaughtering, cutting, curing and storing of meat for farm use. Also
a study of the nutritive value, selection, and economical utilization of meats.

ANIMAL NUTRITION

75. **Feeding Farm Animals.** First semester. Three credits. Two class periods
and one 2-hour laboratory period.

Livestock feeding, including ingredients of feeds, principles of feeding, feeding
standards and rations.

DAIRY INDUSTRY

11. **Milk Products Analysis.** First semester. Three credits. One class period
and two 2-hour laboratory periods.

A course to familiarize the student with standard quality milk and dairy products.
Training in sampling, testing and analysis.

12. **Dairy Farming.** First semester. Four credits. Three class periods and
one 2-hour laboratory period.

Methods to be followed in establishing and developing a herd of dairy cattle for
efficient and quality milk production, including selection, breeding, management, feed-
ing, disease control, and the showing of dairy cattle.
21. **Dairy Technology.** First semester. Three credits. One class period and two 2-hour laboratory periods. 

Dairy plant control work with emphasis on the cause of common defects of dairy products. 

**Mr. Dowd.**

22. **Advanced Dairy Testing.** Second semester. Three credits. One class period and two 2-hour laboratory periods. 

Technical training in sampling and testing of milk and milk products for quality and adulteration; standardization of dairy products and analysis of detergents and disinfectants. 

**Mr. Dowd.**

23. **Dairy By-Products.** Second semester. Four credits. Two class periods and one 4-hour laboratory period. 

Training in the manufacture of cottage cheese, buttermilk, sour cream, butter and other dairy products. 

**Mr. Hkinson.**

25. **Ice Cream Making.** First semester. Four credits. Two class periods and one 4-hour laboratory period. 

Designed to teach the student how to manufacture ice cream and frozen desserts. 

**Mr. Dowd.**

34. **Dairy Plant Operation.** First semester. Two credits. Hours by arrangement. 

Working in and operating a milk plant. 

**Mr. Dowd.**


Dairy plant operation with special reference to the problems of a small milk plant. 

**Mr. Dowd.**

64. **Market Milk.** Second semester. Four credits. Two class periods and one 4-hour laboratory period. 

Handling milk on the farm, milk grades and inspection, processing of milk in the milk plant and methods of distribution. 

**Mr. Anderson.**

82. **Dairy Herd Management I.** First semester. Four credits. Two class periods and two 2-hour laboratory periods. 

Breed development, type judging and selection, herd records and breeding programs, feeding of the dairy herd, and Dairy Herd Improvement Association testing and record keeping. 

**Mr. Graf.**

83. **Dairy Herd Management II.** Second semester. Four credits. Two class periods and two 2-hour laboratory periods. 

Reproduction problems, disease control, milk secretion, quality production, and fitting and showing of dairy cattle. 

**Mr. Graf.**

84. **Dairy Herd Practice I.** First semester. Three credits. One 2-hour laboratory period and one 4-hour laboratory period. 

This course provides an opportunity for experience and the development of skills in handling a dairy herd. 

**Mr. Graf.**

85. **Dairy Herd Practice II.** Second semester. Three credits. One 2-hour laboratory period and one 4-hour laboratory period. 

A continuation of Dairy Industry 84. 

**ENGLISH**

10. **Business English.** First semester. Two credits. Two one-hour class periods. 

The writing of business letters, reports, advertising and news articles. Fundamentals of grammar and composition will be reviewed. 

**Mr. Stemmons.**

53. **Public Speaking.** Second semester. Two credits. One 2-hour class period. 

Public speaking taught through practice and the presentation of original speeches.
FORESTRY AND WILDLIFE MANAGEMENT

2. Farm Forest Land. Second semester. Three credits. Two class periods and one 3-hour laboratory period.

Uses of farm land not in active agriculture—woodlot management, management for game, fur and fish.

GOVERNMENT

10. Citizenship. Both semesters. Two credits each semester. One 2-hour period or two 1-hour periods.

The privileges, civil and political rights, and the duties of the individual in local, state and national governments. The functions and relationships of town, state and federal agencies.

HORTICULTURE

2. Vegetable and Fruit Production. First semester. Four credits. Two class periods and two 2-hour laboratory periods.

An introductory course giving the student a broad view of the field; location, soils, climate, varieties, fertilizers, common disease and insect control, cultural practices, harvesting and storage of both fruit and vegetables.

17. Vegetable Market Gardening. First semester. Four credits. Two class periods and two 2-hour laboratory periods.

A general course dealing with the fundamentals of vegetable gardening from the standpoint of market gardeners.

18. Vegetable Truck Farming. Second semester. Four credits. Two class periods and two 2-hour laboratory periods.

A continuation of Horticulture 17. An intensive study of growing, harvesting, storing, and marketing of the important vegetable crops.

41. Fruit Culture. First semester. Four credits. Two class periods and two 2-hour laboratory periods.

An introductory course in practical fruit production. Topics studied are climate, geography, soils, locations, orchard layouts, followed by a more or less detailed study of the several kinds of fruits grown in Connecticut.

42. Orchard Management and Fruit Growing. Second semester. Four credits. Two class periods and two 2-hour laboratory periods.

A continuation of Horticulture 41, emphasizing actual seasonal orchard operations such as harvesting, storage problems, securing supplies, and spray practices.


Greenhouse construction, heating, plant propagation, watering, ventilation, control of temperature and pests. The laboratory exercises will give the student greenhouse experience.

53. Commercial Floriculture. Second semester. Four credits. Two class periods and two 2-hour laboratory periods.

A continuation of Horticulture 51, with emphasis on the growing of such crops as roses, carnations and sweet peas, and the pot plants including cyclamen, cinerarias, calceolarias, ferns, crotons and diacaenas.


A general course giving the fundamentals of landscaping home grounds. Selection of suitable varieties of plants (shrubs, trees and flowers) and planning, planting, pruning, spraying, fertilizing, propagating and general maintenance of trees, shrubs and lawns.
16. **Management of Poultry.** Second semester. Four credits. Two class periods and two 2-hour laboratory periods.

   An analysis of the management practices employed by commercial producers of this area. Visits to farms will be required.

   **Mr. Avery.**

22. **Poultry Breeds and Judging.** First semester. Three credits. One class period and two 2-hour laboratory periods.

   Principles and practice of production and exhibition judging.

   **Mr. Avery.**

23. **Marketing Eggs and Poultry.** First semester. Three credits. One class period and two 2-hour laboratory periods.

   Specifications for grades of eggs and poultry. Practice in grading.

   **Mr. Avery.**

25. **Poultry Production.** First semester. Four credits. Two class periods and two 2-hour laboratory periods.

   Practical poultry husbandry including breeding, incubation, brooding, feeding, disease control and the preparation and marketing of products. Laboratory work in judging, culling, caponizing and autopsy.

   **Mr. Lunn.**

27. **Turkey Management.** Second semester. Three credits. Two class periods and one 2-hour laboratory period.

   The complete cycle of operation: selection of breeders, hatching, confinement brooding in relation to disease control, developing and marketing.

   **Mr. Avery.**

50. **Poultry Feeding.** First semester. Three credits. Three class periods.

   The requirements for growth, egg production and hatchability will be related to the specific nutrient.

   **Mr. Scott.**

65. **Poultry Practice.** Second semester. Three credits. One class period and two 2-hour laboratory periods.

   The student will be required to assume the responsibility for specific but varied duties associated with the daily operation of the poultry plant.

   **Mr. Lunn.**

**PHYSICAL EDUCATION**

See Physical Education 101 in University Directory of Courses.
DIVISION OF UNIVERSITY EXTENSION, SUMMER SESSION
AND EDUCATION BY RADIO

SAMUEL WILLARD PRICE, PH.D., DIRECTOR AND ASSISTANT TO THE PRESIDENT

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SCIENCE AND MANAGEMENT WAR TRAINING PROGRAM

UNIVERSITY EXTENSION

FACULTY, 1942-43

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DONALD L. BRUSH, B.A., PLANNING SUPERVISOR, CONNECTICUT GENERAL LIFE INSURANCE CO.,
HARTFORD

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HOWARD W. BUTLER, B.S., INSTRUCTOR IN MECHANICAL ENGINEERING

HARRISON B. CAMPEL, HULL AND SHEET METAL CONSTRUCTOR, ELECTRIC BOAT CO., GROTON

ALBERT H. CARR, CHIEF ENGINEER, WHTHT, HARTFORD

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JOHN A. CAULKINS, M.A.I., REALTOR, HARTFORD

(MRS.) I. M. CERNEY, HEAD OF ENGLISH DEPARTMENT, NEW LONDON JUNIOR COLLEGE

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Charles A. Clauss, M.A., Methods Engineer, Peck, Stowe and Wilcox, Southington
George Collins, A.B., Production Engineer, Corbin Screw Corp., New Britain
Charles H. Coogan, Jr., M.S., Assistant Professor of Mechanical Engineering
Erben Cook, Jr., M. S., Instructor in Mathematics
Fred Cousey, Ph.D., Associate Professor of Education
Linton B. Crandall, B.S., Professor of Apiculture
Ralph J. Crosby, M.E., Safety Engineer, Marsh and McLellan Co., New York
Stephen H. Cross, M.C.S., Head of Cost Department, Stanley Electric Tool Division, The Stanley Works, New Britain
Arsène Croteau, M.A., Professor of Foreign Languages
Fred C. Davis, B.A., Teacher, Hartford Public High School
Paul J. Desjardins, Chief Engineer, Small Tools Div., Pratt & Whitney Div., Niles-Bement-Pond, West Hartford
Albert M. Dexter, Jr., Assistant Chief Engineer, Gage Dept., Pratt & Whitney Div., Niles-Bement-Pond, West Hartford
John A. Dillon, B.S., Teacher, Leavenworth High School, Waterbury
Joseph Dillon, B.S., Supervisor of Rate Setting and Estimating, Pratt & Whitney Div., Niles-Bement-Pond, West Hartford
Marion Douglas, R.N., B.S., C.P.H., Director, Hartford Visiting Nurse Association
Walter T. Dowling, Assistant Chief Tool Designer, United Aircraft Corp., East Hartford
Leon J. Dunn, Chief Industrial Engineer, Veeder-Root Co., Hartford
William B. Elwell, B.A., Vice-Principal, Crosby High School, Waterbury
John Eriksson, Tool Engineer, Pratt & Whitney Div., Niles-Bement-Pond, West Hartford
Raymond A. Farrell, B.S., in E.E., Electrical Engineer, Electric Boat Co., Groton
Leonard W. Ferguson, M.A., Assistant Professor of Psychology
John Fischer, Supervisor of Tool Design, Underwood-Elliott-Fischer Co., Hartford
Kenneth G. Fuller, A. M., Associate Professor of Mathematics, Teachers College of Connecticut, New Britain
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Albert Gattiker, Assistant Supervisor of Mill, New London Fabrics Corp.
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Clyde Gleason, Ph.D., Occupational Technician, U.S. Employment Service
John J. Glennon, M.A., Principal, Naylor School, Hartford
Herman Goodstone, B.S.E.E., Engineer, WNBC, Hartford
George Grammer, Technical Editor, QST, American Radio Relay League, West Hartford
Dwight H. Grant, M.S., Teacher, Northeast Junior High School, Hartford
George R. Grantham, M.S., Instructor in Civil Engineering
James B. Griffin, Traffic Manager, Scoville Manufacturing Co., Waterbury
Albert H. Griswold, B.S., Instructor in Engineering
William T. Gruhn, Ph.D., Assistant Professor of Education
Frank M. Ham, M.A., Head of Science Dept., Bassick High School, Bridgeport
Ludwig Hansen, B.S., Methods Engineer, United Aircraft Corp., East Hartford
Thomas S. Hargreaves, M.S., Instructor in Mechanical Engineering
L. W. Hatry, Co-owner, Hatry and Young, Hartford
Harry Hauck, Chief Engineer, Goss and De Leeuw Co., New Britain
Helen Haugh, B.A., Head of Social Studies Dept., Crosby High School, Waterbury
Harry R. Hazard, Jr., A.M., Instructor in Mathematics and Physics, New London Junior College
James H. Healey, B.S., Assistant Instructor in Business Administration
Carl Hewitt, M.E., Chief Metallurgist, Pabst Bearing Co., New Britain
George F. Howe, M.A., Dean of Men, Teachers College of Connecticut, New Britain
Roland L. Hummel, B.S., Instructor in Civil Engineering
Harry Hyman, B.A., In-Service Training Agent, Federal Security Agency
Henry C. Jackson, Director of Industrial Relations, Corbin Screw Corp., New Britain
Richard H. Jaquith, M.S., Instructor in Chemistry
Agnes E. Jennings, A.B., Teacher, Bristol High School
Eino A. Johnson, Ph.D., Teacher, Bulkeley High School, Hartford
Harold S. Johnson, Radio Service Manager, Hatry and Young, Hartford
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G. Wesley Ketcham, M.A., Teacher, Norwalk High School
Ellery C. Kilbourn, M.A., Head of Mathematics Dept., Leavenworth High School, Waterbury
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Wendell H. Kinsey, M.A., Associate Professor of Physics
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Leo Kresser, Diplomengenieur
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George Leitch, Executive Assistant to the Vice-President, Waterbury Tool Co.
Edwin Z. Lesh, Manufacturer of Drawing Instruments
William Levering, Assistant Supervisor, Sheet Metal Dept., Electric Boat Co., Groton
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Lena Logan, Ph.D., Instructor in History
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Manuel A. London
James Longacre, B.S., Superintendent Industrial Service Dept., Stanley Tools, New Britain
James Luckman, B.S. in E.E., M.A., Assistant Production Supervisor, Pratt & Whitney Div., Niles-Bement-Pond, West Hartford
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Ambrose P. McGowan, Supervising Interviewer, United States Employment Bureau
Samuel C. McMillan, M.B.A., Assistant Professor of Marketing

Eva B. MacMillan, B.A., Instructor in Mathematics
Mary L. Martin, B.A., Teacher, Wilby High School, Waterbury
John C. Mertz, Ph.D., Metallurgist, United Aircraft Corp., East Hartford
Edmund A. Moore, Ph.D., Professor of History
Joseph Motycka, M.E., Labor Standards Chief, United Aircraft Corp., East Hartford
Eileen A. Murphy, A.B., Teacher, Rockville High School
Paul H. Nelson, M.A., Assistant Professor of Electrical Engineering
I. Laird Newell, M.S., Research Chemist, Henry Souther Engineering Laboratory
Carl G. A. Nordling, Ph.D., Instructor in Mathematics
Bronis R. Onuf, B.S.E., Instructor in Mechanical Engineering
Ernest F. Osterling, P.T.X. Department, Hartford Trade School
Clarence B. Perkins, Personnel Director, Pratt & Whitney Div., Niles-Bement-Pond, West Hartford
Wilfred E. Perry, B.S.E.E., Supervisor of Inspection, Purchased Parts, United Aircraft Corp., East Hartford
Wilson V. Pink, M.S., Instructor in Mechanical Engineering
Martha Potgieter, Ph.D., Associate Professor of Home Economics
S. Willard Price, Ph.D., Professor of Education

C. K. Roberts, Foreman of Purchased Parts Inspection, United Aircraft Corp., East Hartford
Chester L. Robinson, B.S., Vice-Principal, Manchester High School
Maurice J. Ross, B.S., Assistant Professor of Education
Raymond A. Ross, M.A., Assistant Professor of Accounting
George Sander, M.S., Engineer, Babcock & Wilcox Printing Press Corp., New London
Andrew H. Santorjian, B.S., Electro-Chemist, Underwood Elliott Fisher Research Laboratory, Hartford
Harold S. Schwenk, M.S., Associate Professor of Chemistry
Frederick Senf, M.A., Assistant Personnel Director, Fafnir Bearing Co., New Britain
Hilmar Siek, B.E.E., Principal Supervisor, Bureau of Engineering, U. S. Navy
William K. Simpson, M.E., Consulting Engineer
E. D. Slater, Welding Inspector and Supervisor, Hartford Steam Boiler Co.
Edwin W. Smith, D.D., Head of Africa Dept., Kennedy School of Missions, Hartford Seminary Foundation
Richard Smith, Chief Tool Engineer, Pratt & Whitney Div., Niles-Bement-Pond, West Hartford
Walter Smith, Instructor, New London Junior College
A. Earle Smithies, B.E.E., Teacher, Leavenworth High School, Waterbury
Harry Sohon, Ph.D., Assistant Professor of Electrical Engineering
William J. Spence, Jr., M.E., Foreman of Tool Engineering, United Aircraft Corp., East Hartford
Richard J. Stanly, M.A., Teacher, William Hall High School, West Hartford
William A. Steen, Specialist and Inspector of Sheet Metal Work, Electric Boat Co., Groton
Frank J. Steeves, B.S., Teacher, Hartford Public Schools
Martin L. Stevens, B.S., Production Checker, United Aircraft Corp., East Hartford
Gordon Streeter, A.B., Group Annuity Dept., Aetna Life Insurance Co., Hartford
John Swift, S.M., Chief Metallurgist, Billings and Spencer Co., Hartford
Clarence L. Tappin, B.A., Head of Dept. of Modern Languages, Crosby High School, Waterbury
Arthur F. Tencelient, Engineering Dept. and Production Dept. Coordinator, Pratt & Whitney Div., Niles-Bement-Pond, West Hartford
William H. Thompson, B.S., Teacher, Bulkeley High School, Hartford
Andromache Tsongas, S.B., Nutritionist, Hartford Visiting Nurse Association
Horace B. VanDorn, B.S., Assistant Chief of Inspection Div., Fafnir Bearing Co., New Britain
Edward R. VanDriest, Ph.D., Associate Professor of Civil Engineering
Gerald VanSteenburgh, Industrial Safety Engineer, Travelers Insurance Co., Hartford
Howard F. Vultee, Assistant Secretary, Connecticut Mutual Insurance Co., Hartford
Arthur P. R. Wadlund, Ph.D., Associate Professor of Physics, Trinity College, Hartford
Elbert C. Weaver, M.E., Chairman Science Dept., Bulkeley High School, Hartford
Nicholas A. Welch, M.E., Plant Engineer, Russell and Irwin and Corbin Screw Div., American Hardware Corp., New Britain
Barret L. Weston, B.S., Assistant Production Engineer, Pratt & Whitney Div., Niles-Bement-Pond, West Hartford
Archibald Williams, B.S., General Manager, Haydon Manufacturing Co.
Draper Williams, Engineer, Consultant in Sales and Operation for Connecticut, General Electric X-Ray Corp.
James Williamson, Educational Director, Corbin Screw Corp., New Britain
James W. Yates, M.S., Assistant Professor of Chemistry
Walton R. Yerger, B.S., Metallurgist, United Aircraft Corp., East Hartford

Because of limited dormitory facilities on the campus and in response to numerous demands from youth and adult groups in the state, in 1939 the University organized a program of university extension work. A separate bulletin on this program is published each spring.

The instructional program has been self-supporting. To make it so, it has been necessary for the local communities or local agencies to cooperate by providing housing, meals, and student fees.

All University standards for admission, level of instruction, course requirements and student achievement apply to credit courses in university extension. Non-credit courses are designed to increase the vocational competency of industrial workers and state employees, and are planned to meet the specific needs of these groups.

Credit Courses

The following courses were offered in 1942-43. For description, see the Directory of Courses in this catalog.
The University Freshman-Sophomore Programs

Hartford

Bus. Ad. 131 Accounting. Mr. Ash
Chem. 120 General Chemistry. Mr. Jaquith
Chem. 121 General Chemistry. Mr. Jaquith
C.E. 211 Applied Mechanics I. Mr. Pink
C.E. 212 Applied Mechanics II. Mr. Pink
Econ. 101 American Economic History. Mr. Stanley
Eng. 105 English Composition. Mr. Brown
Eng. 108 English Composition. Mr. Brown
Eng. 151 Fundamentals of Speech. Mr. Brown
Eng. 200 Survey of English Literature. Mr. Brown
Govt. 131 Introduction to Government. Mr. Linnevol
Hist. 110 Western Civilization to the Reformation. Miss Logan
Hist. 112 Western Civilization from the Reformation. Mr. Davis
Math. 110 Elementary Analytical Geometry. Mr. Cook
Math. 203 Integral Calculus. Mr. Cook
Math. 204 Ordinary Differential Equations. Mr. Cook
M. E. 113 Engineering Drawing. Mr. Pink
Phil. 111 The Fundamentals of Logic. Mr. Baldwin
Psych. 200 Applied Psychology. Mr. Ferguson
Soc. 102 Introduction to Anthropology. Mr. Smith
Span. 121 First Course. Mr. Arjona
Span. 122 Second Course. Mr. Arjona

Waterbury

Chem. 101 Elementary Chemistry. Miss Battle
Eng. 105 English Composition. Mrs. Mabey
Eng. 106 Introduction to Literature. Mrs. Mabey
Geog. 101 Foundations of Geography. Miss Haugh
Math. 108 Trigonometry and Elementary Analytical Geometry. Mr. Ross
Math. 112 Differential Calculus. Mr. Ross
M. E. 113 Engineering Drawing. Mr. Dillon; Mr. Kilbourn
M. E. 114 Engineering Drawing and Descriptive Geometry. Mr. Dillon
Physics 120 General Physics. Mr. Smithies
Psych. 131 Introductory Psychology. Mr. Ricciuti
Soc. 103 Introduction to Sociology. Mr. Ricciuti
Span. 121 First Course. Mr. Croteau
Span. 121 First Course (first and second half). Miss Jennings

Rockville

Span. 121 First Course (first half). Miss Murphy

Engineering Technician Program

Waterbury

The following courses were offered as the first year's work of a part-time four-year engineering technician program, instituted in September, 1942. This program aims to prepare young men for positions in industry as engineering technicians. During the four-year training period
they will be able to work full time in industry and attend classes in the late afternoons and evenings. A certificate will be awarded upon the satisfactory completion of this Program.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor(s)</th>
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<tbody>
<tr>
<td>Math. 108</td>
<td>Trigonometry and Analytical Geometry</td>
<td>Mr. Ross</td>
</tr>
<tr>
<td>Math. 112</td>
<td>Differential Calculus</td>
<td>Mr. Ross</td>
</tr>
<tr>
<td>M.E. 113</td>
<td>Engineering Drawing</td>
<td>Mr. Dillon; Mr. Kilbourn</td>
</tr>
<tr>
<td>M.E. 114</td>
<td>Engineering Drawing and Descriptive Geometry</td>
<td>Mr. Dillon</td>
</tr>
<tr>
<td>Phys. 120</td>
<td>General Physics</td>
<td>Mr. Smithies</td>
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**Courses for Advanced and Graduate Students**

**Bridgeport**

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<tr>
<th>Course</th>
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<th>Instructor(s)</th>
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<tbody>
<tr>
<td>Educ. 353</td>
<td>Materials and Methods of Teaching, Pre-Flight Training</td>
<td>Mr. Ham</td>
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**East Hartford**

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<thead>
<tr>
<th>Course</th>
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<th>Instructor(s)</th>
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<tbody>
<tr>
<td>Educ. 326</td>
<td>Curriculum Laboratory</td>
<td>Mr. Couey</td>
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**Hartford**

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<tr>
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<tbody>
<tr>
<td>Educ. 353</td>
<td>Materials and Methods of Teaching, Pre-Flight Training</td>
<td>Mr. Thompson</td>
</tr>
<tr>
<td>Educ. 398</td>
<td>Institutional Interpretation</td>
<td>Mr. Knoblauch</td>
</tr>
<tr>
<td>Nurs. 240</td>
<td>Community Nursing I</td>
<td>Miss Douglas</td>
</tr>
<tr>
<td>Nurs. 268</td>
<td>Supervised Field Experience in Public Health</td>
<td>Miss Douglas</td>
</tr>
<tr>
<td>Nutr. 260</td>
<td>Nutrition as a Factor in Public Health</td>
<td>Miss Potgieter, Miss Tsongas</td>
</tr>
<tr>
<td>Span. 327</td>
<td>Problems in Spanish Civilization</td>
<td>Mr. Arjona</td>
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**Middletown**

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor(s)</th>
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</thead>
<tbody>
<tr>
<td>Educ. 323</td>
<td>Guidance in the School</td>
<td>Mr. Gruhn</td>
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</tbody>
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**Norwich**

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<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor(s)</th>
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<tbody>
<tr>
<td>Educ. 382</td>
<td>Public School Administration</td>
<td>Mr. Knoblauch</td>
</tr>
<tr>
<td>Educ. 390</td>
<td>Public School Supervision</td>
<td>Mr. Knoblauch</td>
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**Storrs**

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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>Educ. 325</td>
<td>Principles of Curriculum Construction</td>
<td>Mr. Couey</td>
</tr>
<tr>
<td>Educ. 353</td>
<td>Materials and Methods of Teaching, Pre-Flight Training</td>
<td>Mr. Robinson</td>
</tr>
<tr>
<td>Educ. 365</td>
<td>Seminar in Business Education</td>
<td>Mr. Ash</td>
</tr>
<tr>
<td>Educ. 396</td>
<td>Personnel Problems of the Teaching Staff</td>
<td>Mr. Knoblauch</td>
</tr>
<tr>
<td>Educ. 397</td>
<td>The Legal Basis of a Public School System</td>
<td>Mr. Knoblauch</td>
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**Uncasville**

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<tr>
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<tbody>
<tr>
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**Waterbury**

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<tr>
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<tbody>
<tr>
<td>Educ. 390</td>
<td>Public School Supervision</td>
<td>Mr. Price</td>
</tr>
<tr>
<td>Educ. 396</td>
<td>Personnel Problems of the Teaching Staff</td>
<td>Mr. Price</td>
</tr>
</tbody>
</table>
PROGRAM FOR THE PERSONNEL OF THE INSTITUTE OF LIVING

During 1942-43 arrangements were made for a cooperative educational program with the Neuro-Psychiatric Institute of the Hartford Retreat, now the Institute of Living, for its employees. A beginning was made in the second semester with the following course:

Psyc. 239X Psychology of Personality. Miss McConaughy

ADVANCED INDUSTRIAL MANAGEMENT PROGRAM

The University offers a program in advanced industrial management which is open to any properly qualified graduates of engineering or business administration colleges. These courses are taken primarily by employees of the United Aircraft Corporation of East Hartford. The program for each student is designed to fit his business needs. Students who are eligible for admission to the Graduate School may include these courses as part of a graduate program leading to the Master of Science degree. (See The Graduate School.)

The following courses were offered in 1942-43. For description, see the Directory of Courses in this catalog.

Bus. Ad. 222X Industrial Purchasing. Mr. Lomax, Mr. McMillan
Bus. Ad. 310 Seminar in Selected Personnel Problems. Mr. Ackerman
Bus. Ad. 310 Seminar in Industrial Marketing. Mr. McMillan

ADVANCED ENGINEERING PROGRAM

Since 1939 a program of graduate study has been offered for part-time students in engineering who are regularly employed in industrial concerns and who wish to work for the Master’s degree on a part-time basis. Many employees of the United Aircraft Corporation of East Hartford have enrolled in this program.

Students must satisfy the general requirements of the Graduate School (see The Graduate School). Each candidate should consult the Dean of the School of Engineering concerning selection of a graduate adviser.

Selection of courses depends on the student’s previous education, experience and interest. The following courses, among others, are offered periodically. For description, see the Directory of Courses.

C.E. 342 Advanced Engineering Mechanics II
C.E. 386 Advanced Strength of Materials and Applied Elasticity II
C.E. 394 Advanced Fluid Mechanics I
C.E. 395 Advanced Fluid Mechanics II
E.E. 322 Electric Power Transmission
E.E. 323 Electrical Transients
E.E. 345 Ultra-High Frequency Techniques
Math. 300 Investigation of Special Topics (given in 1942-43). Mr. Nordling
Math. 350 Advanced Mathematics for Engineers (given in 1942-43). Mr. Nordling
M.E. 336 Advanced Theromodynamics
M.E. 345 Advanced Heat Generation and Transmission
M.E. 351 Vibration I
M.E. 352 Vibration II
M.E. 361X Ferrous Metallurgy
M.E. 370X Non-Ferrous Metallurgy (given in 1942-43). Mr. Mertz

In-Service Education
Non-Credit Courses

The University has organized a number of courses designed to promote the vocational and educational competency of persons employed in industry or the professions. These courses have been organized at the request of employers and employees and are financed jointly by them. They are non-credit courses in that they cannot be applied toward a degree.

Program for Life Underwriters Given in Cooperation with the Connecticut State Association of Life Underwriters and the Hartford Life Underwriters Association

Hartford

The program includes courses which meet the needs of life underwriters who expect to take the examinations of the American College of Life Underwriters, an independent institution sponsored by the National Association of Life Underwriters. These examinations lead to the certificate of Chartered Life Underwriter which is awarded by the American College of Life Underwriters. Examinations are open to students twenty-one years of age or over; the certificate is awarded to those who pass the examinations and have three years' satisfactory life underwriting experience.

Advisory Committee

Wilbur W. Hartshorn, Manager, Metropolitan Life Insurance Company
Howard V. Krick, General Agent, Penn Mutual Life Insurance Company
Franklin F. Pierce, Supervisor, Connecticut Mutual Life Insurance Company
Herbert G. Behan, President, Connecticut State Association of Life Underwriters, member ex officio
Edward C. Wilkins, President, Hartford Chapter, Chartered Life Underwriters, member ex officio
Frank B. Alberts, President, Hartford Life Underwriters Association, member ex officio

Life Insurance Fundamentals. Mr.  
A study of the life insurance structure, its economic and social relationships. Life insurance principles and practices are discussed.

General Education. Mr.  
Background material essential for an understanding of economic, political and social developments, including a study of principles and problems in elementary economics, American government, and sociology.

Law, Trust, and Taxes (given in 1942-43). Mr. Ackerman  
Study of (a) general commercial law, including the law of life insurance; (b) wills, trusts, and estates; and (c) taxation and business insurance.
Finance (given in 1942–43). Mr. Ackerman, Mr. Carter, Mr. Vultee

Study of the financial organization of our economic system. A discussion of principles and problems in corporation finance, banking and credit, and investments.

Life Underwriting (Comprehensive). Mr. ———

Study of the principles and psychology of life insurance salesmanship, designed to develop the ability to use knowledge acquired in previous courses to solve advanced underwriting problems, and to apply the principles of salesmanship in conjunction with this knowledge to particular sales situations.

Program for Property Insurance Agents, given in cooperation with the Connecticut State Association of Insurance Agents

This program is designed to bring to insurance agents the latest practices in agency operations, contract analyses, and sales procedures. Courses are offered in such centers as Bridgeport, Greenwich, Hartford and New Haven.

Accident and Health Insurance. Sixteen class hours. (Given in the spring of 1943.) Mr. Ackerman and Lecturers

A description of accident and health contracts, rating methods, and modern techniques of sales presentations.

Agency Management. Twenty class hours. (Given in the spring of 1942.) Mr. Ackerman and Lecturers

An up-to-the-minute presentation of the latest practices in agency management.

Program for Life Insurance Employees given in cooperation with the Life Office Management Association, the Life Insurance Companies of Hartford, and the General Agents and Managers Association of Hartford

Hartford

The program is designed to prepare insurance employees to qualify for managerial and supervisory duties. It is planned primarily for home office, branch office, and general agency employees, and is intended to prepare them for the examinations conducted by the Life Office Management Association Institute.

Principles of Life Insurance (given in 1942-43).

Life Insurance A. Prepares the student for the first and second examinations. Mr. Streeter.

Historical background of present day life insurance; fraternal, assessment and old line insurance; company organization; plans; social and economic values; interest and discount; the mortality table; premium rates; the reserve; non-forfeiture values; dividends; settlement options.

Life Insurance B. Prepares the student for the third and fourth examinations. Mr. Brush.

Policy contracts; selection of risks; special forms; investments; new life insurance company and home office organization; reinsurance; governmental supervision and taxation; legal phases of life insurance; the annual statement.
Program for Real Estate Appraisers given in cooperation with the New England Chapter, American Institute of Real Estate Appraisers, the Connecticut Association of Real Estate Boards, and the Hartford Real Estate Board

Hartford

The program is open to appraisers, and also to brokers, managers, builders, mortgage men and other business men. It aims to impart a knowledge of real estate values and an understanding of sound methods of valuation. Credit in the course will count toward membership in the American Institute of Real Estate Appraisers.

Real Estate Appraisal I. Fundamental Principles and Practice. (Given in 1942–43.) Mr. Caulkins and lecturers

Valuation principles; the data program; city, neighborhood, site and building analyses; market data approach; depreciation theory; cost approach; income approach; correlation and final estimate of value. Actual case studies are made.

Course in Consumer Buying

Hartford

This course was designed to promote intelligent buying of consumer goods. It was a series of lectures given by various specialists in the field, from the University and from business.

Program of Pre-Flight Training given in cooperation with the Civil Aeronautics Administration of the U.S. Department of Commerce

During the year four courses were offered, in Bristol, Danbury, New Haven, and Torrington. This program was financed by the federal government on a scholarship basis. The course was designed to prepare qualified teachers to teach pre-flight courses in the secondary schools.

Pre-Flight Training. 64 class hours. Mr. Brooks, Mr. Ketcham, Mr. Knoblauch

Introduction to pre-flight training, general servicing and operation of aircraft, meteorology, navigation, civil air regulations, and pre-flight training in the secondary schools.

Program given in cooperation with the Waterbury Y. M. C. A.

Waterbury

This is a continuation of the program of adult education which has been offered by the Waterbury Y. M. C. A. over a period of years. The courses were selected to meet the needs and interests of the students.

Current Literature. Mr. Elwell

The course is planned to increase pleasure in reading good literature. It will emphasize the fundamentals of good writing, in order to increase the student’s ability to read critically and appreciatively.

Effective Speaking. Miss Martin

A course in public speaking, including selection and organization of material and effective oral presentation.
Basic Metallurgy. Mr. Kirby
A study of copper and associated metals, the production of metals for fabrication, the fabrication of castings into desired shapes, alloys, testing and mill control.

Elementary Spanish. Mr. Tappin
This course includes simple fundamentals, introduction of common forms and principles, and training of ear and tongue in sounds of the language.

Vocabulary Building. Mr. Gilmartin
This course aims to strengthen the student’s speaking vocabulary. Stress is laid also on correct pronunciation, spelling, use of synonyms, and correct usage.

Traffic Management. Mr. Griffin
The study of shipping methods: rail, motor truck, air and water routes; the application of state and federal laws governing commerce; interpretation and application of freight rates, express and air line schedules; classification of goods; claims and procedure before the state utilities and interstate commerce commission.

Program for Apprentices Given in Cooperation with Pratt and Whitney Aircraft
East Hartford and Storrs

This program was inaugurated in January, 1938, and since the second semester of 1940-41 has been given in cooperation with the War Training Program of the Federal Government. Students take two terms of work a year in the following sequence. The work is repeated twice a year to accommodate entering groups. Classes are held at the University Extension Center, the Camp School, Hartford.

First Term

Eng. 12 Composition. 36 class hours. Mr. Brown
A study of the principles of correct and effective expression by means of lectures, recitations, weekly themes, analysis and discussion of typical prose selections, collateral reading. (This course was formerly English 11 and 13.)

Math. 11. Elementary Analytical Geometry. 36 class hours. Mrs. Macmillan
Fundamentals of plane and solid analytical geometry.

M. E. 13. Mechanical Drawing I. 18 2-hour laboratory periods. Mr. Griswold
Essentials of projection theory, the alphabet of lines, rules of dimensioning, idioms of drawing to enable students to read and interpret blueprints and to provide a basic foundation in drawing.

Physics 11. Fundamentals of Physics I. 36 class hours. Mr. Johnson
A survey of important elementary principles of mechanics, heat, and sound. Laboratory work accompanying class assignments.

Second Term

Govt. 11. Introduction to Government. 36 class hours. Mr. Linnevold, Mr. Moore
A study of national, state and local government, with special reference to the practical problems of democracy.

Math. 13. Differential Calculus. 36 class hours. Mr. Cook, Mrs. Macmillan
An introduction to the study of differential calculus, involving fundamental definitions and theorems, rules for differentiation of algebraic, trigonometric and logarithmic function, and applications to problems.
M. E. 14. **Mechanical Drawing II.** 18 2-hour laboratory periods. **Mr. Griswold**
A continuation of Mechanical Drawing I.

Physics 13. **Fundamentals of Physics II.** 36 class hours. **Mr. Johnson**
A continuation of Physics 11, covering principles of magnetism and electricity, light, and modern physics, with accompanying laboratory work.

**Third Term**

Chem. 11. **Chemistry of the Metals I.** 18 2-hour laboratory periods. **Mr. Jaquith**
The scheme for qualitative analysis of the metals. Ions of the first three groups and magnesium are studied, and unknowns analyzed. There are assigned readings for reviewing inorganic chemistry, informal discussions on general topics and individual help on special problems.

C. E. 11. **Applied Mechanics I.** 36 class hours. **Mr. Griswold, Mr. Hummel**
Elements of statics, resolution and composition of forces, equilibrium of force systems, centroids, moments of inertia, friction.

Math. 15. **Integral Calculus.** 36 class hours. **Mr. Cook, Mrs. MacMillan**
An introduction to the study of integral calculus, involving methods of integrating elementary functions, improper integrals, multiple integrals, and applications of integration to finding areas, lengths, volumes and moments of inertia.

**Fourth Term**

Chem. 13. **Chemistry of the Metals II.** 18 2-hour laboratory periods. **Mr. Jaquith**
A continuation of Chemistry 11 with special emphasis on the qualitative analysis of alloys.

C. E. 13. **Applied Mechanics II.** 36 class hours. **Mr. Griswold**
Rectilinear and curvilinear motion, translation and rotation of bodies, work, energy, power.

M. E. 24. **Mechanisms.** 36 class hours. **Mr. Coogan**
Analysis of forces on simple structures and mechanisms by components, moments, and by the force triangle; center of gravity; friction; rectilinear motion; simple harmonic motion; analysis of inertia forces of reciprocating parts of engines; rotational motion; moment of inertia; inertia forces in rotation; centrifugal force; work, energy and power; engine horsepower and dynamometers; impulse and momentum.

M. E. 33. **Thermodynamics I.** 36 class hours. **Mr. Pink**
A study of the thermodynamic properties, processes and cycles of ideal gasses. Theory supplemented with problems, both actual and ideal.

**Fifth Term**

Ind. 12. **Foundations of Business.** 36 class hours. **Mr. MacMillan**
A general survey of the foundation of modern business enterprises. Emphasis is placed upon the nature of risk, its economic significance and its relation to profits; the corporation and other legal forms of business units; the factors affecting the location of industries. (This course was formerly Ind. 11.)

C. E. 15. **Strength of Materials.** 36 class hours. **Mr. Grantham**

M. E. 34. **Thermodynamics II and Heat.** **Mr. Pink**
Properties and applications of steam to heating and power development. Combustion and transmission of heat.
Sixth Term

E. E. 20. Industrial Electricity I. 36 class hours. Mr. Sohon

Economics of power transmission and utilization, transmission systems, use and types of insulation, electrical equipment, circuit breakers, transformers.

Ind. 13. Internal Management. 36 class hours. Mr. Healey, Mr. Lomax

The principles underlying the operation of an industrial plant are examined. Special attention is given to the provision of physical facilities, the establishment of standards of production and the setting of wage rates.

M. E. 35. Dynamics of Machines. 36 class hours. Mr. Kresser, Mr. Pink

Application of applied mechanics to simple machines. Governors, balancing, reciprocating engines, power transmission.

M. E. 36. Machine Design I. 36 class hours. Mr. Kresser, Mr. Pink

Design of machine elements, including lubrication, bearings, clutches, brakes, shafts, fits, fastenings, gearing, belts, springs and flywheels.

Seventh Term

E. E. 21. Industrial Electricity II. 36 class hours. Mr. Sohon

A continuation of Industrial Electricity I.

Ind. 15. Control of Operations through Accounting. 36 class hours. Mr. Ross

A course stressing the use of information made available by accounting with only incidental attention given to bookkeeping procedure. The content includes double entry technique for both financial and cost accounting systems, principles of valuation, preparation and analysis of statements, functions and limitations of cost accounting.

M. E. 38. Fluid Mechanics. 36 class hours. Mr. Kresser, Mr. Pink

A general study of the principles of the statics and dynamics of fluids with application to technical problems, such as construction and calibration of pressure gages, measurements of fluid flows, manometers, viscosity, flow through pipes, pumps.

M. E. 39. Machine Design II. 36 class hours. Mr. Stephan

Machine design drawing room problems. Problems to be selected from some of the following designs: flanged shaft coupling, bearing cap, punching machine, reducing gears and housing, flywheel, industrial brake, car puller, plunger pump, jib crane, balancing, and combination punch and shear.

Program of War Training

In addition to the program for apprentices, the following courses were offered under the Engineering, Science, and Management War Training Program of the U. S. Office of Education, which was initiated in February, 1941. These are in most instances "refresher" courses but some tend beyond work done previously by the student. They are designed to give short and intensive training in certain fields where a shortage of skilled workers exists.

The following courses were given in the summer of 1942 and during the year 1942-43.

Hartford
Walter Camp School

Advanced Drafting, In-service. Summer; 48 class hours. First semester, repeated in second semester; 60 class hours per semester. Prerequisite: High school graduation, or educational equivalent and two years high school mathematics. Mr. Butler, Mr. Stevens

Drafting room procedure, planning, dimensioning, lettering, notes, tolerances, descriptive geometry, mathematical problems, detailing from layout, arrangement of views.
Aircraft Engine Design. Second semester. 60 class hours. Prerequisite: High school graduation with two years of mathematics including trigonometry and the completion of a satisfactory advanced drafting course, or the equivalent drafting room experience.

Mr. Stevens

Crank chain analysis, bearing loads, vibration and balancing, cranks and reduction gearing, cylinders, current trends.

Applications of Advanced Engineering Mathematics. Summer. 40 class hours. Prerequisite: Two years of engineering college work or equivalent.

Mr. Andrews, Mr. Cheney

Polynomial and trigonometric functions, exponential phases and integration by substitution, area under curve, volumes of solids with rectangular or circular cross section, center of gravity of areas and double and triple integration.

Applied Engineering Mathematics. Summer. 40 class hours. First semester; repeated in second semester. 60 class hours each semester. Prerequisite: Two years of college engineering work or equivalent.

Mr. Cook

Hyperbolic, circular, and exponential differential functions; trigonometric and logarithmic differential functions; parametric and polar functions; Rolle’s theorem; mean value theorem; power series.

Applied Mechanics, In-service. Summer. 40 class hours. Prerequisite: High school graduation with two years of mathematics and one of science. Mr. Gant

Fundamental concepts, coplanar concurrent forces, parallel forces and moments, friction, concurrent non-coplanar forces, non-concurrent coplanar forces, framed structures, trusses, stability and center of gravity, moments of inertia.

Basic Drafting and Blueprint Interpretation. Summer, 48 class hours. First semester, repeated in second semester; 60 class hours per semester. Prerequisite: High school graduation with two years of mathematics.

Mr. Glennon, Mr. Griswold, Mr. Simpson, Mr. Steeves

Projection theory; sketch drawing desk; triangles scale, pencil sharpening lines; details of drawing desk; assembly; machine detail, check and correct; machine detail section theory; machine detail projection customs; comprehensive part including tolerance; details and assembly covering fits, extra view, section, etc.

Check and Layout Drafting. First semester; 90 class hours. Second semester; 60 class hours. Prerequisite: High school graduation with two years mathematics and mechanical drawing or equivalent drafting room experience. Mr. Ketcham

Detail drawings, dimensioning, fits and tolerances, gears and splines, checking fundamentals, design theory, shop theory, layouts.

Cost Accounting. Second semester. 60 class hours. Prerequisite: High school graduation with college training in business or equivalent. Mr. Ross

A course designed to develop principles and procedures applicable in factory accounting, including a study of process and job cost methods and standard cost systems.

Engineering Drawing and Analysis. Summer. 120 class hours. Prerequisite: High school graduation with two years of mathematics or equivalent and employment in a defense industry.

Mr. Gant, Mr. Grant, Mr. Steeves

Fundamental training in the principles and practices of industrial drafting, including mechanical engineering drawing, and the mathematics, metallurgy and shop processes involved in problems encountered in drawing work.

Engineering Mathematics, In-service. Summer; 40 class hours. First semester, repeated in second semester; 60 class hours per semester. Prerequisite: High School graduation with two years of mathematics or equivalent.

Mr. Cheney, Mr. Cook, Mr. Kresser, Mr. London, Mrs. Macmillan

Arithmetic and algebra, trigonometry, exponents and logarithms, slide rule, practical problems, equations, gear and pulley calculation, use of engineering formulas.

Engineering Physics, I, In-service. First semester; 90 class hours. Prerequisite: High school graduation with two years mathematics or equivalent.

Mr. Kinsey, Mr. Weaver
Fundamentals of kinematics and dynamics; machines, energy, power, friction, elasticity. Principles of heat; thermometry, measurement, transmission, and heat engines.

**Engineering Physics II, In-service.** Second semester. 60 class hours. Pre-requisite: High school graduation with two years mathematics and one year high school physics or equivalent.  
Mr. KINSEY


**Fundamental Metallurgical Chemistry I, In-service.** Summer. 120 class hours. Pre-requisite: High school graduation with one year of chemistry.  
Mr. GALASSO, Mr. SCHWENK

Fundamental concepts, procedures, chemical equations, systems of measurements, specific properties of ferrous and non-ferrous metals and alloys, and solubility products. Theory of laboratory processes, such as electro-analytical procedures, colorimetric processes, separation of metals into analytical groups, preparation of metals and alloys for analysis.

**Fundamental Metallurgical Chemistry II, In-service.** Summer. 160 class hours. Pre-requisite: High school graduation with two years mathematics and one year high school chemistry.  
Mr. SCHWENK, Mr. YATES

Study of the fundamental principles involved in metallurgical chemistry and practical laboratory work in the procedures in everyday use in the metallurgical chemistry laboratory.

**Industrial Accident Control.** Second semester. 50 class hours. Pre-requisite: High school graduation or equivalent with five years industrial experience. Mr. CROSBY

Control of employee behavior; plant and equipment safeguards; administration of safety programs.

**Industrial Chemistry, In-service.** Summer. 48 class hours. Pre-requisite: High school graduation, including one year of general chemistry.  
Mr. YATES

A survey of the important chemical industries emphasizing in particular the part played by chemistry in the development of the industry. The laboratory work consists of demonstrations of simple industrial processes by the instructor and participation by the group whenever feasible.

**Industrial Inspection.** Summer. 80 class hours. Pre-requisite: High school graduation with two years mathematics and one year of science, or equivalent.  
Mr. ANDREWS, Mr. GLENNON, Mr. GRANT

Introductory training for inspectors in fundamental principles of blueprint reading; machine processes; measurements and instruments used in inspection laboratories, and mathematics involved in their use.

**Industrial Personnel Office Operation.** Second semester. 45 class hours. Pre-requisite: High school graduation with office experience.  
Mr. PERKINS

Labor turnover and supply, job analysis, methods of selection, tests and training.

**Industrial Supervision.** Second semester. 30 class hours. Pre-requisite: High school graduation or equivalent.  
Mr. CLARK

Industrial organization and supervision; methods of planning, control, recording; employer-employee relationships; labor relations.

**Intensified Engineering Drafting (for Layout Men and Checkers).** Summer. 480 class hours. Pre-requisite: Two years of college or equivalent, with mathematics, physics, and mechanical drawing.  
Mr. BOURN, Mr. BUTLER, Mr. COOK, Mr. DALY, Mr. HARGREAVES, Mr. PINK

(a) Advanced mechanical engineering drawing: fundamentals of drawing; plane geometry of drafting; freehand sketching; detail drawing for milling operations and sheet metal work; plumbing; gears; special details and drawing revisions; springs; tolerances, fits, screw threads, finishes; details from layouts; checking layouts.
(b) Mechanics and strength of materials: fundamentals of statics; center of gravity; moment of inertia, friction; motion, force and motion, rotation; simple stress, torsion, flexure and deflection; mechanisms and determination of displacements; determination of velocities and accelerations of various machine parts.

(c) Engineering mathematics: trigonometry; exponents and logarithms; slide rule; gear and spline calculations; equations; use of Monroe calculating machine.

(d) Metallurgy: basic metals; basic alloy steels; properties and characteristics of various metals; heat treatment; annealing; hardening; processing; welding; brazing.

(e) Related shop theory: turning, milling, grinding, lapping and honing operations; forging, pattern making and castings; brazing and processing; heat treating, annealing and tempering; anodizing and finishing processes; gears, broaches and assembly operations; limits and tolerances; types of surfaces.

Intensified Engineering Drafting (for Detail Draftsmen). A continuous course starting every ten weeks. 480 class hours. Prerequisite: High school graduation, including algebra and drawing. Mr. Butler, Mr. Cheney, Mr. Mertz, Mr. Pink

(a) Mechanical engineering drawing: fundamentals of drawing; plane geometry of drafting; detail drawing of milling operations and sheet metal work; gears and plumbing; springs; sectional views; auxiliary views; tolerance, fits, screw threads; details from layouts.

(b) Engineering mathematics: arithmetic and algebra; trigonometry; exponents and logarithms; slide rule; gear and spline calculations and structure calculations; equations; use of Monroe calculating machine.

(c) Metallurgy: basic metals; basic alloy steels; properties and characteristics of various metals; heat treatment; annealing; hardening; processing; welding; brazing.

(d) Related shop theory: turning, milling, grinding, capping and honing operations; forging, pattern making and castings; metallurgical laboratory test methods; welding, brazing and processing; assembly operations; heat treatment, annealing, tempering, anodizing and finishing processes; gears and broaches, sheet metal work and riveting.

Intensified Fundamental Metallography and Materials Testing I, In-service, Summer. 160 class hours. Prerequisite: High school graduation with two years of mathematics and one year of high school chemistry. Mr. Mertz

Production and fabrication of ferrous and non-ferrous metals; alloy diagrams; metallography and heat treatment of non-ferrous alloys, iron and steel; macroscopic and microscopic examination of metals; heat treatment and pyrometric equipment; testing and inspection.

Intensive Radio Technician Training I. Summer. 144 class hours. Prerequisite: High school graduation with two years of mathematics and one year of physics. Mr. Albert, Mr. Dexter, Mr. Goodstine, Mr. Grammer, Mr. Nelson

Basic radio training for laymen, to assist them to qualify for elementary positions in communications work and to qualify them for more advanced radio communication training. This course follows the outline prescribed by the National Association of Broadcasters.

Intensive Radio Technician Training II. Summer; repeated in second semester; 144 class hours. Prerequisite: Intensive Radio Technician Training I. Mr. Carr, Mr. Goodstine, Mr. Grammer, Mr. Hatry, Mr. Johnson

More advanced radio training for students who have completed Course I or the equivalent. This course follows the outline prescribed by the National Association of Broadcasters.

Jig and Fixture Design. First semester; 60 class hours. Second semester; 52½ class hours. Prerequisite: High school graduation with one year of mathematics and physics. Mr. Dowling

Jigs and fixtures in industrial production; operation planning, evaluation of operations, feeds and speeds; general jigs, drill jigs, general fixtures, milling fixtures; faults in design, revision of tooling.
Job Analysis, Evaluation and Wage Administration. Second semester. 60 class hours. Prerequisite: Two years college training in engineering or business administration and industrial experience. Mr. Dunn

Wage systems and policies; methods of job analysis and evaluation; wage adjustment policies.

Metallurgical Chemistry. First semester; repeated in second semester; 90 class hours each semester. Prerequisite: High school graduation with one year of high school chemistry or equivalent. Mr. Jaquith

An intensive study of the important metals used in war industries, including the history, metallurgy and chemical methods used in the analysis of these metals and their alloys. The laboratory work consists of actual analysis of outstanding strategic metals and alloys.

Motion Economy, In-service. First semester. 60 class hours. Prerequisite: High school graduation with two years of mathematics or equivalent and employment in supervisory position in war industry. Mr. Hansen

Motion analysis of industrial production processes; use of therbligs; charts and chart analyses; hand motions; making and analyzing motion films; developments of economical processing problems in the laboratory.

Operation Sheet Writing. Summer. 40 class hours. Prerequisite: High school graduation, two years of mathematics, two years of machine shop training or five years experience in machine tool production. Mr. Spence

Breakdown of operation; special purpose vs. standard machines; standardization procedures in policy, equipment, parts, operations, and supplies; elements of sheet writing; case projects in operation planning.

Ordnance Inspection. A continuous course starting every nine weeks. 360 class hours. Open only to selected Army Ordnance employees. Mr. Bradley, Mr. Cheney, Mr. Crandall, Mr. Hargreaves, Mr. Lesh, Mr. London, Mr. Osterling, Mr. Perry, Mr. Roberts, Mr. Simpson, Mr. Yerger

A review of mathematics, followed by intensive study in blueprint reading and sketching, materials of industry, manufacturing processes, and inspection practice and specifications.

Principles of Metallurgy. Summer; 40 class hours. First semester, repeated in second semester; 60 class hours per semester. Prerequisite: High school graduation with two years of mathematics and one year of chemistry. Mr. Butler, Mr. Hargreaves, Mr. Mertz

Theory and laboratory practice in the production properties and engineering applications of metals and alloys; the relation of structure to properties and their modification by heat treatment and work; the effects of principal alloying elements and of differences in production processes.

Production Control. Second semester. 60 class hours. Prerequisite: High school graduation or equivalent, including two years of mathematics. Mr. Onuf

Functions of management; factory organization; personnel management; production engineering; engineering economics; job evaluation; means of cost and production control.

Time and Motion Study. Summer; 40 class hours. First semester, repeated in second semester; 60 class hours per semester. Prerequisite: High school graduation with two years of mathematics or equivalent, and employment in supervisory position in war industry. Mr. Hansen, Mr. Lupien, Mr. Motyczka

Fundamental motions and movements; laws of motion; human engineering; job analysis; man-machine charts; lecture and problems on tools; time study; motion study; plant layout; methods of estimating; quality engineering; production control. Actual case studies are made.
Applied Mathematics, In-service. First semester; 90 class hours. Prerequisite: High school graduation with at least one year of high school mathematics. 

Mr. Luckman

Review algebra, essential theorems in plane and solid geometry, trigonometric functions and the right triangle, shop problems.

Bases of Industrial Inspection. First semester; 120 class hours. Second semester; 90 class hours. Prerequisite: High school graduation or industrial experience. 

Mr. Siek, Mr. Swift, Mr. Tencelent, Mr. Weston

Elementary metallurgy, measurements and testing, orthographic projection and blue print analysis, review mathematics.

Basic Principles in Personnel Management. Second semester; 45 class hours. Prerequisite: High school graduation and experience in personnel work. Mr. Senf

Organization and techniques of personnel management in representative organizations; selection and induction of workers; job analysis; incentive systems; training of new workers; upgrading; employment of women; labor unions; management-labor cooperation; labor legislation; industrial service functions of personnel department.

Cutting Tool Design. Second semester; 45 class hours. Prerequisite: High school graduation or equivalent and desirable industrial status. Mr. Desjardins

Machinability of metals; theory, design, and use of turning and forming tools; principles of design of drill, reamers, and taps; principles of design of milling cutters, both conventional and special; production milling and die thread cutting design; principles of design and uses of roll; threading dies.

Drafting Room Practice. Summer; 90 class hours. Prerequisite: High school graduation and acceptable industrial status. Mr. Collins, Mr. Luckman

Theory of projections; working drawings; assemblies; detailing; descriptive geometry.

Electro-Plating Principles and Techniques. Summer; 90 class hours. Prerequisite: High school graduation with chemistry plus experience. Mr. Santorjian

Base metals and their mechanical preparation for finishing; chemical and electrical preparation for plating; equipment and lay-out of plants; principles of electro-chemistry; study of plating baths; post-plating procedures; special finishes; plant visits.

Heat Treatment of Steel. Summer; repeated in second semester; 45 class hours. Prerequisite: High school graduation with completion of a course in metallurgy or equivalent experience. Mr. Hewitt, Mr. Swift

Principles of hardening and transformation; hardenability, grain size, and iron carbon diagram; normalizing and annealing; hardening, case hardening, tempering; commercial and industrial plant operation and visits.

Industrial Chemistry. Second semester. 120 class hours. Prerequisite: High school graduation with courses in chemistry, or employment in chemical laboratory. Mr. Newell

Fundamental principles, volumetric analysis, gravimetric analysis, combustion analysis, electrolytic analysis, special methods.

Industrial Foremanship. First semester; 45 class hours. Second semester; 51 class hours. Prerequisite: High school graduation.

Mr. Leitch, Mr. Longacre, Mr. Perkins, Mr. Williamson

Industrial organization; industrial psychology; development of morale; nature of supervision; fatigue and its relationship to production; apprenticeship systems; wage and incentive systems; rating and upgrading of employees; removal of occupational hazards; prevention of waste; job training; trade unions and labor relations; handling of grievances.

Industrial Management. First semester, repeated in second semester; 45 class hours each semester. Prerequisite: High school graduation and industrial experience. Mr. Williams
Historical background of management; fundamental considerations in industrial management; the plant as a tool of management; the product; personnel relations; wage systems; control and operation.

**Industrial Metallurgy.** First semester; 45 class hours. Second semester; 60 class hours. Prerequisite: High school graduation and acceptable industrial status.

Mr. Hewitt, Mr. Swift

Basic theory, copper and its alloys, aluminum and its alloys, manufacturing of steel, steel metallurgy.

**Seminar in Current Problems of Industrial Personnel Management.** First semester; 60 class hours. Prerequisite: High school graduation and experience in management.

Mr. Brill, Mr. Gleason, Mr. Hyman, Mr. Longacre, Mr. McDonough, Mr. Senf, Mr. Williams

Labor legislation and labor problems; industrial psychology and morale; shift practices and wage policies; job evaluation; women in industry; training of workers; plant protection.

**Industrial Radiography.** First semester. 45 class hours. Prerequisite: High school graduation and employment in the field of X-ray inspection.

Mr. Wadlund, Mr. Williams

Physics of X-rays and radioactivity, high-voltage circuits, operation of X-ray generators, biological effects and protection, photography for radiography, techniques and set-up, interpretation of negatives.

**Industrial Relations.** Second semester. 45 class hours. Admission limited to those who hold policy-making functions in personnel departments and to members in upper management in industry.

Mr. Jackson

Negotiating union contracts and labor-management disputes; shift problems and relation to output; recruiting policies and training of labor; public training facilities; industrial service for the personnel department; training of executives and foremen in human relations; morale and public relations development; employee health and recreation.

**Industrial Safety Engineering.** First semester; 96 class hours. Prerequisite: High school graduation with industrial experience.

Mr. Behley, Mr. Van Steenburgh, and Lecturers

Introduction to industrial safety; the human side of safety; plant and equipment safeguards; the administration of safety program.

**Industrial Safety for Foremen.** Second semester; 50 class hours. Prerequisite: Employment in a supervisory capacity in war industry.

Mr. Behley

Safety organization; sources and causes of injury; accident investigation; worker safety education; maintaining safety consciousness among employees; plant layout for safety; plant and departmental inspection; plant housekeeping; machine safeguarding; hand tools; prevention of falls; health requirements; common industrial health hazards; plant ventilation; industrial dermatitis; protection equipment; fire prevention.

**Industrial Time and Motion Analysis.** First semester; 90 class hours. Second semester; 60 class hours. Prerequisite: High school graduation and employment in some level of time study, cost analysis, production supervision, or management.

Mr. Clausius

Work incentive systems; analysis of piece work study; development of standards; motion economy and production; time study techniques; man machine charts, simo charts, flow charts and their relation to departmental set-ups.

**Jig and Fixture Design.** First semester; repeated in second semester; 45 class hours. Prerequisite: High school graduation and experience in industry.

Mr. Eriksson

Jig and fixtures in modern machine production; welding practices in jig and fixture design and construction; drill jig and fixture design; machine jaw and vise design; milling machine fixtures; grinding arbor and fixture design.
Mechanical Engineering Drawing, Elementary. First semester; 90 class hours. Second semester; 60 class hours. Prerequisite: High school graduation, including two years of mathematics with industrial experience.

Orthographic representation and sketching; use of instruments and lettering; geometrical constructions; orthographic drawing; isometric projection; sectional representation; auxiliary projection; threads, screw, etc.; gears and cams.

Mechanical Engineering Drawing (Intermediate). Second semester; 60 class hours. Prerequisite: High school graduation with two years of mathematics and completion of elementary course in engineering drawing, or employment in drafting room.

Orthographic projection—review of principles; isometric projection; auxiliary projection; revolutions; intersections and development of surfaces; threads, screws, etc.; gears, cams; detailing.

Metals Protection. Summer; 45 class hours. Prerequisite: High school graduation with physics and chemistry.

Chemistry of corrosion; process and adaptability of bonderizing, sheardizing, anodizing, ihrizing; electro-plated finishes; paints, varnishes, lacquers, and enamels; oils, greases and slushing compounds; packaging methods to prevent deterioration and corrosion.

Operations Planning, Procedures and Techniques. Second semester; 60 class hours. Prerequisite: High school graduation and a basic course in production control, or experience.

Production machinery and its uses; operations planning; selection of material; selection of machines and tools on basis of greatest production; use of flow charts in internal transportation.

Production Control. Summer; 45 class hours. Prerequisite: High school graduation and connection with productive work in industry.

Internal organization of modern production plants; methods of production control as applied to typical industries; operations analyses; standardization; inspection control; quality vs. quantity.

Production Supervision. First semester; 45 class hours. Second semester; 60 class hours. Prerequisite: High school graduation including two years of mathematics or employment in field of production.

Internal organization of modern production plants; methods of production control as applied to typical industries; operations analysis; standardization; inspection and quality control.

Punch and Die Design. Summer; 45 class hours. Prerequisite: High school graduation and experience in design or drafting rooms.

Punch and die elements; progressive die design; deep drawing processes.

Qualifying Mathematics for Engineering Courses. Second semester; 60 class hours. Prerequisite: High school graduation with one year of mathematics.

A refresher course covering algebra and geometry, with more than half of the time devoted to trigonometry.

Tool Engineering. Summer; repeated in first semester; 45 class hours each semester. Prerequisite: High school graduation and drafting, design, or tool making experience, or equivalent.

Operations analyses, machine tool selection, jig and fixture design, cutting tool selection, gauge selection and design.

Tool Engineering for Automatic Single and Multiple Spindle Machines. Second semester; 45 class hours. Prerequisite: High school graduation and course in elementary tool engineering, drafting room design experience, or experience as tool set-up man or supervisor in automatic machine departments.

Engineering and tool design for single spindle turret lathes, single and multiple spindle; vertical turret lathes, single and multiple spindle; screw machines; multiple spindle chucking machines.
Welding: Theory, Inspection, and Supervision. Second semester; 51 class hours. Prerequisite: High school graduation and welding or design experience. Mr. Slater
Layout symbols, definitions; welding metallurgy; design of welding jigs and fixtures; designing of joints and seams; shop organization; design of welded fabricated parts and machines; X-ray in defect detection; testing and inspection of welded parts and machines.

Work Simplification. Second semester; 60 class hours. Prerequisite: High school graduation or equivalent and acceptable industrial status. Mr. Williams
Introduction to work simplification; process flow chart; man-machine chart; operator chart; principles of motion economy; micro-motion analysis; synthesis of improved methods; micro-motion photography; operator training; organizing supervisory program.

New Britain

Cost Accounting. Second semester; 60 class hours. Prerequisite: High school graduation and college training in business, or equivalent. Mr. Cross
See description under “Hartford.”

Engineering Drawing, In-service. Second semester; 60 class hours. Prerequisite: High school graduation and industrial experience. Mr. Welch
Orthographic representation and sketching; use of instruments and lettering; geometrical constructions; orthographic drawing; isometric projection; sectional representation; auxiliary projection; threads, screw, etc.; gears and cams.

Engineering Mathematics, In-service. Second semester; 60 class hours. Prerequisite: High school graduation with two years of mathematics or equivalent.
See description under “Hartford.”

Industrial Supervision. Second semester; 60 class hours. Prerequisite: High school graduation, or equivalent, plus supervisory experience. Mr. Williamson
Industrial organization and supervision; methods of planning, control, recording; employer-employee relationships; labor relations.

Personnel Management. Second semester; 64 class hours. Prerequisite: High school graduation and some industrial experience. Mr. Howe, Mr. Senf
Labor relations, labor laws; selection and placement of personnel, function of personnel department; identification systems, plant protection; shift practice; women in industry; absenteeism; employee publications and handbooks; medical and health program; job evaluation; training; personnel records; employee rating; employee suggestion systems; the selective service.

Production Control, In-service. Second semester; 64 class hours. Prerequisite: High school graduation, or equivalent, including two years of mathematics, and employment in production work in war industry. Mr. Atwater
Internal plant organization; the product—its design and standardization; physical facilities; planning; procurement; routing; scheduling; dispatching; follow-up; quality control; inventory control; shipping and traffic.

Quality Control. Second semester; 60 class hours. Prerequisite: Two years of business administration training or industrial engineering or its equivalent, and employment in supervisory work in a war industry. Mr. Van Dorn
Methods and sources for determining the quality of industrial goods and means of control through inspection and testing.

New London

Electricity III. Second semester; 80 class hours. Prerequisite: High school graduation with five years experience in electrical work or a minimum of two years in an electrical engineering school. Mr. Farrell
Alternating current and direct current control; marine power installations; stationary power generation; batteries; switchboard and power distribution; industrial electronic control.
Engineering Drawing. First semester; 80 class hours. Second semester; 60 class hours. Prerequisite: High school graduation and one year of industrial shop experience.

Freehand lettering; use of drafting instruments; geometric construction; projection; freehand sketching; development of surfaces; standard fastenings; elements of gears; dimensioning; tracing; assembly and detail plans.

Engineering Mathematics, In-service. First semester; 48 class hours. Second semester; 60 class hours. Prerequisite: High school graduation with two years of mathematics, or equivalent industrial experience.

Angles, rectangular coordinates, trigonometric functions of all angles; the right triangle; fundamental algebraic operations; special products and factoring; fractions; simple linear equations; exponents, radicals, logs, powers of 10 notation; functions and graphs; quadratic equations of the second degree; ratio and proportion; oblique triangles; law of sines, law of cosines.

Engineering Physics I, In-service. Second semester; 60 class hours. Prerequisite: High school graduation with two years mathematics, or equivalent.

See description under “Hartford.”

Foremanship and Supervision. Summer, repeated in first semester; 30 class hours. Prerequisite: High school graduation or equivalent industrial experience.

MRS. CEBNEY, MR. GATTIKER, MR. LACHMAN, MR. McGOWAN AND LECTURERS

The foreman, a job-development of his responsibilities and duties; accident prevention and control; job shop production; production planning; job analysis; unions and labor relations, effective speaking and report writing.

Industrial Electricity and Electrical Instruments and Testing. First semester; 80 class hours. Second semester; 60 class hours. Prerequisite: High school graduation with physics, algebra and trigonometry, or equivalent industrial experience.

MR. McCLARREN

Ohms law in series and parallel circuits; discussion and problems of electrical and mechanical power; electromagnetization; design of magnetic circuits; D.C. motors and generators, characteristics, design, etc.

Industrial Electricity, Electrical Instruments and Testing (Advanced). First semester; 40 class hours. Second semester; 45 class hours. Prerequisite: High school graduation and completion of the basic course in this field, or equivalent industrial experience.

MR. FARRELL, MR. McCLARREN

Theory, design and control of D-C motors, A-C circuits and motors, alternators and transformers.

Industrial Supervision. Second semester; 45 class hours. Prerequisite: High school graduation or equivalent industrial experience.

MR. GATTIKER

Industrial organization; industrial psychology; development of morale; nature of supervision; fatigue and its relation to production; apprenticeship systems; wage and incentive systems; rating and upgrading of employees; removal of occupational hazards; prevention of waste; job training; trade unions and labor relations.

Intensified Sheet Metal Drafting. Summer; 60 class hours. First semester; 80 class hours. Second semester; 60 class hours. Prerequisite: High school graduation with two years of mathematics, or equivalent industrial experience.

MR. CAMPBELL, MR. GAGNON, MR. LEVERING, MR. STEEN

Basic mathematics; drafting practice, including a complete course in applied geometry and some descriptive geometry; development by parallel line; radial line and triangulation methods; materials and processes.

Intensified Sheet Metal Drafting (Advanced). First semester; 80 class hours. Second semester; 60 class hours. Prerequisite: High school graduation with two years of mathematics or equivalent industrial experience, and completion of the elementary course.

MR. LEVERING

Review of fundamental methods of sheet metal development; method of design including complicated transitions, complicated branches of all types, duct work, hoppers,
forks, etc., with the mathematical calculations necessary to measure correct carrying capacity, flow, etc.

Radio and Electronics. Second semester; 60 class hours. Prerequisite: High school graduation with college algebra and physics.  
Mr. Vollkommer

Electron theory, magnets, Ohm’s law, resistance and power calculations, alternating current, series and parallel circuits, transformers, resonant and coupled circuits, vacuum tubes, power supplies, receivers and transmitters.

Scientific Bases of Welding and Welding Supervision. First semester; 64 class hours. Second semester; 60 class hours. Prerequisite: High school graduation with good science and mathematics background, or equivalent industrial experience.  
Mr. Battles, Mr. Kinch

Welding metallurgy, metallic arc, carbon arc, gas welding, other welding processes, weldability of metals, welding design, welding stresses, repair welding, qualification of welders, brazing and allied processes.

Storrs

Ultra-High Frequency Techniques. Second semester; 112 class hours. Prerequisite: Three years of college engineering work with courses in electrical measurements and electronics.  
Mr. Burke, Mr. Nelson

Theoretical and experimental study of ultra-high frequency radio waves, antennas, transmission lines, UHF generators and wave guides.
SUMMER SESSION
Faculty, 1943

Newton Wellington Alexander, Lieutenant Colonel Infantry, U.S.A., Assistant Professor of Military Science and Tactics
Homero Arjona, Ph.D., Associate Professor of Foreign Languages
Frank Howard Ash, M.A., Associate Professor of Business Education and Secretarial Studies
Franklin Benson, Staff Sergeant Infantry (D.E.M.L.) R.O.T.C., Assistant to the Professor of Military Science and Tactics
Evalyn Sophia Bergstrand, M.S., Professor of Home Economics
Ruth Bosworth, M.A., Instructor in Secretarial Studies
Weston Ashmore Bousfield, Ph.D., Associate Professor of Psychology
Paris Roy Brammall, Ph.D., Professor of Education
Joseph Brown, Jr., A.M., Assistant Professor of Foreign Languages
John Oliver Burke, Jr., B.E., Instructor in Electrical Engineering
Howard Wallace Butler, B.S., Instructor in Mechanical Engineering
Eric Walter Carlson, M.A., Instructor in English
Francis Lee Castleman, Jr., D.Sc., Professor of Civil Engineering
William Fitch Cheney, Jr., Ph.D., Professor of Mathematics
Joseph Orlean Christian, B.S., Associate Professor of Physical Education
William Ross Clark, A.M., Instructor in English
Charles Henry Coogan, Jr., M.S., M.E., Assistant Professor of Mechanical Engineering
Fred Couey, Ph.D., Associate Professor of Education
Arsène Croteau, M.A., Professor of Foreign Languages
Russell Myles DeCoursey, Ph.D., Professor of Zoology
Frank Alexander Ferguson, M.A., Professor of Physics
Carl Frederick Fischer, M.A., Associate Professor of Physical Education
Edward Victor Gant, M.S., Assistant Professor of Civil Engineering
Nellie Ataline Gard, A.M., Associate Professor of Home Economics
Charles Burt Gentry, M.S. in Agr., Professor of Education
Joseph Raymond Gerberich, Ph.D., Associate Professor of Education
Sophie Giannini, B.A., Assistant Instructor in Foreign Languages
George Richard Grantham, M.S., Instructor in Civil Engineering
William Theodore Gruhn, Ph.D., Assistant Professor of Education
Roy Jones Guyer, A.B., M.P.E., Professor of Physical Education
William James Haggerty, M.A., Assistant Professor of Education
Karl Peter Hanson, B.S., Associate Professor of Mechanical Engineering
Jean Holdridge, B.S., Assistant Instructor in Home Economics
Neil Wemore Hosley, Ph.D., Associate Professor of Forestry and Wildlife Management
Roland Luther Hummel, B.S., Instructor in Civil Engineering
Walter David Jackson, Staff Sergeant Infantry, (D.E.M.L.) R.O.T.C., Assistant to the Professor of Military Science and Tactics
Charles Albert Kind, Ph.D., Instructor in Chemistry
Wendell Homer Kinsey, M.A., Associate Professor of Physics
Ernest Ray Kline, Ph.D., Associate Professor of Chemistry
Arthur Lewis Knoblauch, Ed.D., Associate Professor of Education
Walter Leroy Kulp, Ph.D., Professor of Bacteriology
John Harold Lampe, D.Engr., Professor of Electrical Engineering
Hollis Clinton Lewis, Captain Infantry, U.S.A., Assistant Professor of Military Science and Tactics
Bernhard Olaf Johan Linnévold, Ph.D., Instructor in Government
Donald Copeland Gibson MacKay, Ph.D., Assistant Professor of Zoology
Samuel Charles McMillan, M.D.A., Assistant Professor of Marketing
James Andrew Scarborough McPeek, Ph.D., Associate Professor of English
Joe Coleman May, Captain Infantry, U.S.A., Assistant Professor of Military Science and Tactics
John Cochran Montgomery, Ph.D., Instructor in Mathematics
Earl Russell Moore, B.S., Instructor in Mechanical Engineering
Edmund Arthur Moore, Ph.D., Professor of History
Rex J. Northland, Captain Infantry, U.S.A., Assistant Professor of Military Science and Tactics
Paul Harry Nelson, B.S., in E.E., A.M., Assistant Professor of Electrical Engineering
Howard Douglas Newton, Ph.D., Professor of Chemistry
Carl Gustaf Allan Nordling, Ph.D., Instructor in Mathematics
Vincent Nowlis, Ph.D., Instructor in Psychology
Bronis Robert Omu, B.S.E., Instructor in Mechanical Engineering
George Hunter Passmore, Lieutenant Colonel Infantry, U.S.A., Professor of Military Science and Tactics
Elsie Eleanor Paulson, M.A., Assistant Professor of Physical Education
Martha Potgieter, Ph.D., Associate Professor of Home Economics
Samuel Willard Price, Ph.D., Professor of Education
Josephine Ana Rogers, M.A., Associate Professor of Physical Education
Raymund Alexander Ross, M.A., Assistant Professor of Accounting
George Brandon Saul, Ph.D., Professor of English
Harold Spencer Schwenk, M.S., Associate Professor of Chemistry
Howard Arnold Seckerson, M.A., Professor of English
Charles Hill Wallace Sedgewick, Ph.D., Associate Professor of Mathematics
Theodor Karl Siegel, Ph.D., Associate Professor of Foreign Languages
Harry Sohon, Ph.D., Assistant Professor of Electrical Engineering
Erich Richard Stephan, M.S., Assistant Professor of Mechanical Engineering
Henry Gruber Stettler, M.A., Instructor in Sociology
Earl Gilbert Svendsen, M.Ed., Assistant Professor of Physical Education
Paul Nason Taylor, A.M., Instructor in Economics
William H. Thompson, B.S., Teacher, Bulkeley High School, Hartford
Gregory Stephen Timoshenko, Ph.D., Associate Professor of Electrical Engineering
George Safford Torrey, A.M., Professor of Botany
Edward Reginald Van Driest, Ph.D., Associate Professor of Civil Engineering
Robert Warnock, Jr., Ph.D., Associate Professor of English
Stanley Wedberg, Ph.D., Instructor in Bacteriology
Donald Sigsbee White, B.S., Assistant Professor of Physical Education
Vinton Esten White, A.B., Instructor in Bacteriology
James William Yates, M.S., Assistant Professor of Chemistry

Purpose of the Summer Session. The Summer Session at the University of Connecticut is provided for qualified youths and adults who wish to spend a pleasant and profitable summer in study.

Groups Served. The summer offering has been planned to meet the needs of both undergraduate and graduate groups.

For high school graduates who wish to begin their college work in the summer, a substantial part of the regular freshman program is included.

For underclassmen the number of courses offered has been greatly increased. With these expanded offerings practically any student in the University will find it possible to accelerate his program.

For persons wishing to return to the teaching profession after an extended absence, several courses provided will convey recent trends in method and content in the various subject matter areas. For those wishing to enter the teaching profession from other fields, there are courses designed to meet certification requirements. A marked shortage of teachers now exists because of service enlistments and the exodus of teachers to industry.

For college graduates who wish professional work in order to qualify for teaching, a fifth year of professional work is made available.

For college graduates who wish an advanced degree in professional or academic fields, an adequate program is devised. The University is
especially desirous of providing a well-rounded program of graduate work through the Summer Session and Extension for groups which heretofore have been forced to go outside the state.

For teachers, supervisors, and administrators who wish to take work without reference to a degree, courses emphasizing modern trends in both methods and materials are offered.

All courses are open on a non-credit basis to adults, 21 years and over, who can profit by them.

LENGTH OF TERM. The Summer Session will be divided into two six-week terms. Each term will run five days a week. A full semester’s work of fifteen weeks in civil, electrical, and mechanical engineering is planned for second, third, and fourth year engineers. Students from other institutions who wish to avail themselves of this opportunity may do so, provided they meet admission standards.

STANDARDS. Standards for admission, level of instruction, course requirements and student achievement are the same for summer work as for work done during the school year. All courses offered in the Summer Session may be counted toward the requirements for degrees, provided other scholastic requirements are met.

CREDITS AND LOAD. Courses in the Summer Session are evaluated in terms of semester hour credits. The average number of credits per course is three, and the normal load for each term is six credits, or two courses. The maximum load which may be carried without special permission is seven credits per term, or fourteen for the two summer terms.

COURSES OFFERED. The following courses will be offered in the summer of 1943. For description, see the Directory of Courses in this catalog.

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<td>*Chem. 120</td>
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<td>Chem. 233</td>
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<td>Chem. 304</td>
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<td>Chem. 305</td>
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<td>Materials Testing Laboratory. Mr. —</td>
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<td>Design of Steel Structures. Mr. —</td>
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<td>Reinforced Concrete Design. Mr. —</td>
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<td>Route Surveying. Mr. —</td>
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<td>Water Supply Engineering. Mr. —</td>
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<td>Strength of Materials. Mr. —</td>
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<td>Educ. 202</td>
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<td>Introduction to Education. Mr. Brammell</td>
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<td>Educ. 214</td>
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<td>High School Teaching. Mr. Gruhn</td>
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<td>1 and 2</td>
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<td>The Evaluation of Educational Research. Mr. Couey</td>
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<td>Materials and Methods of Teaching, Physical Education. Mr. Christian</td>
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<td>Materials and Methods of Teaching, Pre-flight Training. Mr. Thompson</td>
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<td>Seminar in Business Education. Mr. Ash</td>
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<td>Educ. 390</td>
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<td>Public School Supervision. Mr. Price</td>
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<td>E. E. 220</td>
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<td>Electrical Engineering Principles I. Mr. —</td>
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<td>E. E. 222</td>
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<td>Electrical Engineering Principles III. Mr. —</td>
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<td>E. E. 235</td>
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<td>Illumination Engineering. Mr. —</td>
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<td>E. E. 241</td>
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<td>Telecommunication Engineering. Mr. —</td>
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* Open to entering freshmen.
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<td>E. E. 274</td>
<td>† Electronics Laboratory. Mr. ————</td>
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<td>*Eng. 105</td>
<td>1 and 2 English Composition. Mr. Clark, Mr. McPeek</td>
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<td>*Eng. 106</td>
<td>2 Introduction to Literature. Mr. McPeek</td>
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<td>*Eng. 108</td>
<td>2 English Composition. Mr. Carlson</td>
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<td>Eng. 112</td>
<td>1 World Literature to Dante. Mr. Warnock</td>
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<td>Eng. 200X</td>
<td>1 Survey of English Literature. Mr. Clark</td>
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<td>1 The Eighteenth Century. Mr. Warnock</td>
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<td>Eng. 209X</td>
<td>1 Victorian Literature. Mr. Seeckerson</td>
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<td>Eng. 236</td>
<td>1 Recent English and American Drama. Mr. Seeckerson</td>
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<td>Eng. 310</td>
<td>1 Seminar in Leading American Poets. Mr. Saul</td>
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<td>Eng. 310</td>
<td>1 Seminar in Major Contemporary Writers. Mr. Saul</td>
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<td>Fr. 307</td>
<td>1 Problems in French Civilization. Mr. Brown</td>
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<td>Fr. 358</td>
<td>1 French Drama from the Theatre Libre to the Present Day. Mr. Brown</td>
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<td>Fr. 359</td>
<td>1 Old French: Language and Literature. Mr. Brown</td>
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<td>Germ. 317</td>
<td>1 and 2 Problems in German Civilization. Mr. Siegel</td>
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<td>*Span. 121</td>
<td>1 and 2 First Course. Mr. Croteau, Mr. Arjona</td>
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<td>*Span. 122</td>
<td>1 and 2 Second Course. Mr. Croteau, Mr. Arjona</td>
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<td>*Span. 224</td>
<td>1 Classical Spanish Literature (first half). Mr. Arjona</td>
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<td>*Span. 226</td>
<td>1 A Survey of Spanish Literature and Civilization. Mr. Arjona</td>
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<td>Span. 228</td>
<td>1 Spanish Conversation and Composition. Mr. Arjona</td>
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<td>Span. 327</td>
<td>1 and 2 Problems in Spanish Civilization. Mr. Arjona</td>
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<td>For. 246X</td>
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<td>*Math. 112</td>
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* Open to entering freshmen.
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<td>Dynamics of Machines. Mr. ———</td>
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<td>Heat Engineering I. Mr. ———</td>
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<td>Internal Combustion Engines. Mr. ———</td>
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<td>Physical Education Activities for Men. Departmental Staff</td>
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<td>Elements of Physics. Mr. Kinsey</td>
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<td>Physics 110</td>
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<td>General Physics for Engineers (first half). Mr. ———</td>
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<td>Psychology of Personality. Mr. Nowlis</td>
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<td>Principles of Sociology. Mr. Stetler</td>
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<td>Soc. 215</td>
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<td>Introduction to Zoology. Mr. MacKay</td>
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<td>1 and 2</td>
<td>Independent Study. Staff</td>
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</table>

**Application and Registration**

Application for summer enrollment, and registration for summer courses, should be made through the Admissions Office. Inquiries preliminary to application and registration should be addressed to the Director of the Summer Session.

**Special Features of the Summer Session**

*Education Seminar.* A seminar on important educational problems in Connecticut. In 1948 emphasis will be placed on the impact of the war upon schools. Members of the summer session staff and eight leading authorities will participate. For description of the course see Education 310 in the Directory of Courses.

*Educational Tests and Measurements Laboratory.* Designed for teachers, administrators, research directors, and supervisors seeking solutions of measurement and evaluation problems in their schools.

*Curriculum Laboratory.* For teachers, supervisors and administrators seeking practical solutions of curriculum problems in their schools.

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Dents making individual studies of their specific problems and group studies of problems of common interest.

_Seminar in the Teaching of the Social Studies._ For social studies teachers and supervisors who are seeking solutions of practical problems in their schools.

_Seminar in the Teaching of Natural Sciences._ For science teachers and supervisors who are seeking solutions of practical problems in their schools.

_French and Spanish Quarters._ Special arrangements are made for living quarters for students of French and Spanish, to encourage informal conversation in the course of everyday living. Frequent soirees are given to which other summer session students are invited.

**SUMMER PROGRAM OF WAR TRAINING COURSES**

During the summer of 1942 twenty-eight courses were held in Hartford at the University Extension Centers—the Walter Camp School and the Niles Street School, and two were held in New London. These courses, which were taught by a staff of forty-seven instructors from the University and from industry, were offered under the Engineering, Science, and Management War Training Program of the Federal Government. For detailed information on these courses see the Engineering, Science, and Management War Training Program in the Division of University Extension.

This Program will be continued in the summer of 1943.

**SUMMER SHORT COURSES**

During the summer of 1942 two special schools were conducted at Storrs, one for insurance executives and one for insurance agents. Similar schools will probably be conducted in 1943.

_School in Agency Management._ Two weeks.

The Eastern School of the Life Insurance Sales Research Bureau, regularly operated in three areas in the United States. The other schools in 1942 were held in Toronto, Canada, and in Chicago. Selection of students and instructors was made by the Life Insurance Sales Research Bureau. The University furnished the facilities for the group.

_Institute of Life Underwriting._ One week.

This Institute was conducted in cooperation with the Connecticut State Association of Life Underwriters. It was devoted primarily to the principles of advanced life underwriting such as business insurance, taxation, trusts, and estate settlements. Instructors were drawn from home offices, agencies, and from professions such as law and accounting.

**EDUCATION BY RADIO**

The University, from time to time, uses the facilities of Connecticut broadcasting companies. In addition to numerous staff members and students, state and regional leaders have taken part in the University sponsored programs. Staff members, from time to time, take part in programs sponsored by state civic groups.

Numerous cultural and vocational benefits should accrue to the citizens of Connecticut from this modern method of education as the program expands.
DIVISION OF STUDENT PERSONNEL

WILLIAM JAMES HAGGERTY, M.A., Director of Student Personnel

Advisory Committee: Messrs. Torrey (chairman), Castleman, Couey, Dowd, Miss Rogers, and Director of Student Personnel (ex officio)

SUMNER ALVORD DOLE, M.A., Dean of Men
MILDRED PEARL FRENCH, A.M., Director of Housing
JOSEPH RAYMOND GERBERICH, Ph.D., Director of Testing
WALDEMAR HAGEN, M.A., Director of Vocational Counseling and Placement
FRED COUEY, Ph.D., Acting Director of Vocational Counseling and Placement

MARJORIE WARREN SMITH, A.B., Registrar
FRANCES SHEPPARD, M.A., Counselor for Social Activities

Resident Counselors

Faculty members serving part-time in men’s residence halls:

JAMES HENRY HEALEY, B.S., Assistant Instructor in Business Administration and Resident Counselor in Storrs Hall

DONALD WHITTREDGE, B.S., Graduate Assistant in Psychology and Resident Counselor in Hall Dormitory

DAVID E. STROM, Director of Audio-Visual Aids Center and Resident Counselor in Wood Hall

CLARENCE JOHN MILLER, M.S., Instructor in Agricultural Economics and Resident Counselor in Koons Hall

Full-time staff members in women’s residence halls:

ALICE S. DAVIS, A.B., Resident Counselor in Holcomb Hall

MIRIAM McREYNOLDS, A.B., Resident Counselor in Manchester Hall

FRANCES SHEPPARD, M.A., Resident Counselor in Sprague Hall

MARIAN W. WASHBURN, Resident Counselor in Whitney Hall

The Division of Student Personnel is charged with integrating and coordinating the many activities which affect the student’s adjustment to university life. The Division has responsibility for the administration of:

1) Admissions, (2) scholastic standards and regulations, (3) educational, personal, and vocational counseling, (4) freshman week and orientation activities, (5) student activities and organizations, (6) student housing, (7) student discipline, (8) pre-admission, orientation and counseling testing programs, (9) student aid such as scholarships, loans, and part-time employment, (10) placement of graduates, (11) student records and reg-

1 On leave for war service.
2 Resigned first semester, 1942-43.
istration, (12) articulation of the University with the secondary schools of Connecticut, and (13) research designed to improve the student personnel activities.

The fundamental aim in personnel work in the University is service to the student as an individual, and the entire organization of the work centers around this aim. The personnel work of the University permeates every department of the institution. It enters into the student's selection of courses, his relations with individual instructors and fellow students, the choice of his life work, and other problems affecting his success in college such as his emotional and social adjustments and physical condition.

DIVISION OF UNIVERSITY LIBRARY

Paul Alcorn, B.A., University Librarian

Advisory Committee: Messrs. Plastridge (chairman), J. Brown, Doubleday, McMillan, Montgomery, and the University Librarian (ex officio).

Elsie Gray Marsh, Reference Librarian
Helen Eleanor Honey, M.A., Cataloguer
Katherine Collamore, B.A., Order Librarian
Mary Frances Stanton, A.B., Circulation
Ruth Waterhouse Maples, A.B., Circulation
Sophie Safin, A.B., Assistant Cataloguer
Avis Elizabeth Wiley, A.B., B.L.S., Assistant Cataloguer

Edwina Whitney, Ph.B., Litt.M., Librarian Emeritus

The University Library is the sine qua non of scholarship both academic and professional. To be interesting, virile and commanding, teaching depends upon the complete supplementing of its activities by a live and growing library properly selected, classified and administered. The library of the University has six major functions. These are:

(1) To aid directly in the instruction of students both graduate and undergraduate by supplying reading material and suitable facilities for its use; (2) to provide for and aid research by making available the necessary source material; (3) to collect, circulate and exhibit pictures, films, slides and rare books and manuscripts; (4) to make possible and to encourage general reading by faculty and students; (5) to aid faculty and students in familiarizing themselves with current developments in their fields; and (6) to aid in extending the service of the institution by supplying printed material and information to persons beyond the campus.
DIVISION OF HEALTH SERVICE

RALPH LAWRENCE GILMAN, M.D., F.A.C.P., University Physician

Advisory Committee: Messrs. Kulp (chairman), Anderson, DeCoursey, Fischer, Penner, and Dr. Gilman (ex officio)

HILDA MAY WILLIAMS, R.N., University Infirmary Nurse
HELEN ANN DOWLING, R.N., University Infirmary Nurse

The Health Service is centered at the University Infirmary and is under the direction of the University Physician. The Infirmary, with its fourteen beds and the office of the Physician, has two nurses and a housekeeper in residence. Dispensary service and bed care are provided throughout the year for all but major illnesses or injuries. Each year, the new students have their chests X-rayed during Freshman Week. Care of athletic injuries and supervision of the general sanitary condition of the campus are under the Health Service.

DIVISION OF PHYSICAL EDUCATION AND ATHLETICS

EDWARD GEORGE VAN BIBBER, M.P.E., Director, Head of the Department of Physical Education for Men, and Associate Professor of Physical Education

JOSEPH ORLEAN CHRISTIAN, B.S., Acting Director, Head of Department of Intercollegiate Athletics, and Associate Professor of Physical Education

ROY JONES GUYER, A.B., M.P.E., Head of the Department of Intramural Sports and Professor of Physical Education

JOSEPHINE ALA ROGERS, M.A., Head of the Department of Physical Education for Women and Associate Professor of Physical Education

DONALD SIGSBEE WHITE, B.S., Assistant Professor of Physical Education

CARL FREDERICK FISCHER, M.A., Assistant Professor of Physical Education

EARL GILBERT SVENDSEN, M.Ed., Assistant Professor of Physical Education

ELSIE ELEANOR PAULSON, M.A., Assistant Professor of Physical Education

STEPHANIE THEODORA LETITIA, B.S., Assistant Instructor in Physical Education

Advisory Committee on Athletics: Messrs. Kinsey (chairman), Hollister, Stemmons, Van Bibber Young, and Christian (ex officio).

The Division of Physical Education and Athletics consists of the Departments of Intercollegiate Athletics, Physical Education for Men, Physical Education for Women, and Intramural Sports. A committee of five men selected from the faculties of the University advises with the Division on matters pertaining to intercollegiate athletics.

1 On leave for war service.
Courses in physical education are organized as a part of the work of the College of Arts and Sciences. Students who expect to teach physical education should enroll in the School of Education.

Intercollegiate athletic competition is offered in football, basketball, baseball, track, cross country, soccer, swimming, marksmanship, and tennis.

An extensive program of intramural sports for men has been developed. Intramural sports for women are conducted through a Sports League organized by the Department of Physical Education for Women.

An intensive program to promote physical fitness of all male students is in operation.

DIVISION OF MILITARY SCIENCE AND TACTICS

George Hunter Passmore, Lieutenant Colonel Infantry, U. S. A., Professor of Military Science and Tactics


Newton Wellington Alexander, Lieutenant Colonel Infantry, U. S. A., Assistant Professor of Military Science and Tactics

Hollis Clinton Lewis, Captain Infantry, U. S. A., Assistant Professor of Military Science and Tactics

Rex J. Morthland, Captain Infantry, U. S. A., Assistant Professor of Military Science and Tactics

Joe Coleman May, Captain Infantry, U. S. A., Assistant Professor of Military Science and Tactics

Walter David Jackson, Staff Sergeant Infantry, (D.E.M.L.) R.O.T.C., Assistant to the Professor of Military Science and Tactics

Franklin George Benson, Staff Sergeant Infantry (D.E.M.L.) R. O. T. C., Assistant to the Professor of Military Science and Tactics

Under the authority of the act of Congress of June 3, 1916, and upon the application of this institution to the War Department, an Infantry Unit of the Senior Division of the Reserve Officers’ Training Corps is maintained at the University of Connecticut.

A four-year course is offered with a view to giving the student a broad, practical military education with the least possible interference with his civil career. (During the present war emergency some modification of this program is necessary.) The object of this course is to qualify students, by systematic and standard methods, to perform intelligently the duties of leaders in the military forces of the United States in time of national emergency.
The aim of this training is to develop qualities of character, leadership and group effort which fit men physically, mentally and morally for pursuits of peace as well as pursuits of war.

All work is under the direct supervision of officers detailed by the War Department. The instruction is divided into the Basic Course and the Advanced Course, each covering two years. The former is required of all physically fit male students between the ages of fourteen and twenty-six who are citizens of the United States. In enrolling for the Basic Course the student assumes no obligation to serve in the armed forces of the United States. Students who show by their proficiency that they are especially qualified for advanced work may, with the approval of the President and the Professor of Military Science and Tactics, elect to continue their military education until graduation. The exact number of students authorized to enroll in the Advanced Course is determined from year to year by the War Department. Those who complete the Advanced Course and attend an R.O.T.C. summer camp not exceeding six weeks in duration and maintained by the Government without expense to the students, are eligible, upon graduation, for commissions as Second Lieutenants in the Officers' Reserve Corps.

For the purpose of drill and instruction in leadership, Basic and Advanced Course students report for practical instruction together. They are organized as an R.O.T.C. Regiment, which at present is composed of two battalions and a band. Seniors are appointed Student Officers; juniors are appointed Junior Officers and First Sergeants; sophomores act as Sergeants and Corporals. The band is composed of students in the Basic Course who receive individual and group instruction in instrumental music and instrumentation under the supervision of the Director of Music.

An inspection of the R.O.T.C. Regiment is made annually by the Commanding General, First Corps Area, or by an officer detailed by him.
DIVISION OF PUBLICATIONS

WALTER STEMMONS, B.S., Director and Editor of University Publications
FRANK FAY ATWOOD, B.S., Assistant Editor
JOHN T. MERRILL, A.B., Assistant Editor
ESTHER DODGE BARNETT, M.A., Assistant Editor

Advisory Committee: Messrs. Clapp (chairman), Price, Riccio, Rockel, Slate and Stemmons (ex officio)

It is the function of the Division of Publications:

To edit all official publications of the University.

To act as news and public relations agent for the University, keeping the State and general public informed concerning policy, development, program, activities, personnel, and other matters contributing to a full knowledge, interpretation, and appreciation of the University.

To edit all radio programs sponsored by the University.

To distribute through a central mailing room and for the entire University all bulletins, announcements and other materials published or distributed by the University.

Publications include: University of Connecticut Bulletins, issued six times a year. The catalog is the only fixed annual number in this series. The biennial report is published in alternate years. The Summer Session catalog and similar announcements fill in the other numbers, depending upon convenience. The bulletins are mailed under the second class mailing laws.

All bulletins of the Storrs Agricultural Experiment Station. These bulletins have no regularity of issue. They represent reports of progress or completion of research projects in agriculture. They are sent free to residents of the state who request them. They are mailed under the United States Government frank.

All bulletins of the Extension Service. These bulletins also have no regularity of issue but are published in popular form for farmers, farm women and members of the Boys’ and Girls’ Clubs in agriculture and home economics. They are mailed under Government frank authorized by the Smith-Lever Act.

In addition to these official publications authorized by Federal and State laws, the University publishes a large number of printed or mimeographed publications, circular letters and announcements. Such publications issued by the Extension Service are mailed under the Smith-Lever frank. Other publications are mailed as third class matter.

1 On leave for war service.
DEGREES AND DIPLOMAS

Class of 1942

Commencement Day, May 17, 1942

BACHELORS OF SCIENCE

College of Agriculture

Kaye Andrus
Henry Daniel Bentley
Erling Blackwell
Lincoln Hartshorn Brown, Jr.
Gerard James Brunquell
Malcolm Wilford Coulter
Thomas Francis Dowling, Jr.
Ralph Hawkins Gardner
Leonard Goldberg
Robert Goldman
Richard Burton Hamilton
Edward John Hanley
Gordon Standish Hart
Winchester Loomis Hubbard
John Richard Huyler

Edward Theodore Intravia
Leon Katz
Henry Aaron Kinne
John Nicholas Kowalchyk
Henry Albert Krebser
John Thomas Linehan
Richard Emerson Marland
Leonard Irving Metelits
Herman Louis Neiditz
Theodore Townley Palmer
Stanley Papanos
Harold Edgar Pettit
Samuel Silverstein
Louis Patricia Terricciano
Wilton Hobart Thorp

With Distinction

Marshall Jerome Cederbaum, in Agricultural Economics
William Weaver Herold, Jr., in Animal Husbandry
Murray Leon Steinman, in Forestry
Corinne Wadhams, in Horticulture

With High Distinction

Isadore Ehrlichman, in Agricultural Economics
Morris William Fuhr, in Agricultural Economics
Irving Allen Hart, in Forestry

College of Arts and Sciences

Albert Sterling Atwood
John Edward Borowy
James Lawrence Callahan
Levon Francis Charlson
Howard Clark Davies, Jr.
Albert DiLaurenzio
Albert Edwin Erickson
Herbert Ratenburg Gilman
Bradford Allerton Griswold
Earl Kenwood Hawley
John Edward Hawley
Doris Veronica Jassen
Carl Wentworth Johnson
David Frederick Kahn
James Karo
Oliver Wilhelm Kaufmann
John Bransfield Keiser
Andrew Thomas Kusmer
Lois Delight Lackman
Warren Newton Levick
Richard Raymond Lieberman
Donald Clark Loomis

Robert James Lynch
Helen Jane McDowell
Michael Joseph Mallia
William Lee Mariner
John Frederick Miller
Philip Porter Mueller
Edward Louis Munson
Paul Pincus Posin
Robert Arthur Richmond
Charles Atkins Robbins, Jr.
Charles Francis Rohde
Elliott Rutstein
Helen Samuels
Ralph Edward Schachat
Donald Bernard Seeley
Harry Wilbur Seeley, Jr.
Irving Shapiro
Dorothy Yale Shepard
Grace Prescott Shepard
Ralph Dempster Simpson, Jr.
Dwight Skinner, Jr.
Marshall Louis Spector
Mary Josephine Suchecki
William Henry Tribou, Jr.
Ove Tage Tykson
Charles Francis Wagner

Mae Elwood Welch
Alvan Abraham Yules
Henry Thomas Zelechovsky
Edward Leonard Zielinski

With Distinction
Marcia Peace Abrams, in Sociology
Myron Lewis Baldwin, Jr., in Economics
Jean Gertrude Baum, in Zoology
Muriel Jeannette Carlson, in Sociology
Eli Gold, in Bacteriology
Samuel Alexander Pratt, in Sociology

School of Home Economics

Jean Elizabeth Barnes
Barbara Amelia Bradway
Muriel Minnie Chodos
Helen May Fox
Marie Ursula Gabriel
Natalie Judith Gittelson
Mary Virginia Graves
Marjorie Jean Griswold
Marie Gertrude Hartman
Pauline Root Lanzer

Rivian Miller
Mary-Elizabeth Anne Murphy
Ruth Evelyn Parcells
Barbara Jeanne Peschko
Enid May Elizabeth Ryan
Beatrice Anne Stedman
Ruth Sudarsky
Winifred Hedvig Wedel
Ella May Wibberly

With Distinction
Beverly Rebecca Fein, in Home Economics

School of Education

Robert Lee Baeder
Daniel Basile
Shirley Brander
Eleanor Frances Costello
Francis John DiVesta
Ethel Ann Field
Lillian May Griffing
Ruth Thompson Hatheway
Carl Isakson
Francis Warren Latham

Evelyn Tiffany Moore
Helen Marie Morse
Jeanette Adelaide Pitkin
Edith Lorraine Siegrist
Jerry Skopec
Edwin Richardson Smith
Janet Drennan Spiers
Ruth Gladys Tennstedt
Nicholas Verbillo

With Distinction
Alice Lillian Gunther, in Home Economics
Alice Isbell Kinsley, in Home Economics
Barbara Foerch Palmer, in Home Economics
Louise Frances Stone, in Home Economics

With High Distinction
Margaret Josephine Dykstra, in Home Economics
Judith Bass Liebman, in Home Economics

School of Business Administration

Arthur Ray Beeman, Jr.
Carlson Eldridge Crane
Chester Andrews Frohock
Robert Frederick Goodwin

Samuel Jaskilka
Clara Virginia Kaiser
Howard Elliott Mohr

With Distinction
Irma Louise Philipp, in Business Administration

With High Distinction
James Henry Healey, in Business Administration
DEGREES AND DIPLOMAS

BACHELORS OF ARTS

College of Arts and Sciences

Salvatore Alibrio
Raymond Rich Andrews
Erwin Appell
Theodora Newcomb Bartley
Neva Mildred Bernier
Phyllis Mary Bradley
David Brannon Calhoun
Grace Frances Chapman
Jane Constance Clifford
Anthony Patrick Coburn
John Michael Dunne
George Martin Eckle, III
Shirley Elizabeth Eggleston
Benjamin William Esposito
Richard Joseph Feffer
Harriett Eleanor Fryer
Robert William Henderson
Hamilton
Jane Carol Hancox
Albert Hyman
Margaret Claire Landry
Shepard Lee Lenchek
Hugh Gordon MacKay
Louis William Masse
Barbara Esther Menard
Selmer Daniels Metcalf
Alfred Ernest Miller
Carolyn Elise Moe
Joseph Neiman
Dorothy Elizabeth Perkins
Richard Hall Peterson
Edwin Zigmunt Przybylski
Harry Warren Reid
Robert Ross Reid
Zelma Carol Schwartzman
Ida Shapiro
Solon Bernard Silverstein
Jane Spencer
Anthony Joseph Sterlinski
William Hopkin Sumby
Edward Abraham Temkin
Amalia Marie Toro
Valery Hewit Webb
Muriel Ethel Weissman
William Harry Wilcox
Felix John Zaniewski

With Distinction

Eleanor Louise Fraser, in Sociology
Doris Groher, in History
June Lorraine Hoffman, in Sociology
Milton William Horowitz, in Psychology
Alvin Pudlin, in Government
Howard Augustine Sullivan, Jr., in English

With Highest Distinction

Marjorie Mills Robinson, in Sociology

School of Education

Margaret Jane Griffith
Theresa Wamester Krause
Fedele Ronald Mugavero

With Distinction

Marian Kamins Russell, in English

BACHELORS OF SCIENCE IN ENGINEERING

School of Engineering

Malcom George Andrews
Albert Anthony Biretta
John Collins Campbell, Jr.
John Elton Coolidge
Harry Ewaskio
Leon Ernest Forsyth
William James Glynn
Albert Homewood Griswold
Stewart DeWitt Hawkins
Harold Richard Jansen
Valentine Henry Kohl
Stewart Elmer McKinney
Arnold Holmes Medbury
Walter Joseph Miller
Stanley Anthony Ross
Patrick Joseph Scinto
Harold Sokolov
William Edwin Threscher

With Distinction

Charles Alfred Ewaskio, in Electrical Engineering
Edward Joseph Robb, in Electrical Engineering
BACHELORS OF SCIENCE IN PHARMACY

College of Pharmacy

Martin K. A. Aroian
Philip Balletto
Leslie Carlyle Blakeslee
Jacob Jack Blodinger
Henry Joseph Bohn
Nicholas Francis Carpinella
Abe Jack Cohen
Thomas Cohen
Elizabeth Ann Colgan
Eugene Ernest Coppola
Violette Ann Coppola
Edward Francis Cornell, Jr.
Alfonse Criscuolo
Ralph Lawrence DeLucia
Nicholas W. Fenney
Pasquale T. Gullotta
Ameen Louis Haddad

Benjamin Hyman
Nathan Lavitsky
Cyril Levine
Hugh McCrory
William Melnick
Joseph Alphonse Nasti
Albert Nosal
Robert Rasmussen Oertel
Gerald Rafkin
Milton E. Scofield
Theodore M. Shore
Arthur Thomas Smithwick
Joseph John Tulinski
Marvin Weinstein
John Frank White
Walter R. Williams

With Honors
Harold Stuart Hersh
John Sigurd Rosengren

MASTERS OF SCIENCE

Maurice Myron Alexander, in Wildlife Management
David Andrew Clarke, Jr., in Agricultural Economics
Jack Meyer Ehrlichman, in Agricultural Economics
Frank Francis Ferrigno, in Dairy Industry
William E. Gillis, in Education
Wesley Joyce Hansen, in Agricultural Economics
William Frederick Henry, in Agricultural Economics
Hubert Mack Hill, in Chemistry
Cloy Bernard Knodt, in Dairy Industry
Clarence John Miller, in Agricultural Economics
Ross Carlton Powell, Jr., in Dairy Industry
John Frederick Rowson, in Dairy Industry
James Joseph Sanderson, in Chemistry
Stanley Kilbourne Seaver, in Agricultural Economics
Allen Gordon Smith, in Wildlife Management

MASTERS OF ARTS

Frank James Harris, in Psychology
Arthur Raymond Mahan, in Education
Paul Raymond Nichols, in Economics
Richard Jackson Stanley, in Education
HONORS AND PRIZES AWARDED IN 1942

Honors of the First Grade

Raymond Rich Andrews
Jack Louis Bailin
John Havens Birdseye
Jean Louise Blair
John Joseph Brennan
Marshall Jerome Cederbaum
Louise Amelia Chambers
Eleanor Frances Costello
Marvin Lewis Curland
James Edward Donahue
Mildred Marie Euele
Grace Florence FitzPatrick
Amy Myrel Golding
Doris Groher
Walter Elmer Gustafson
Irving Allen Hart
Ruth Kellogg Hayden
James Henry Healey
Charles Lannman Hubbard
Shirley Ann Israelite
Irma Zelda Janoff
Joseph Kagan
Theresa Wamester Krause
Margaret Claire Landry
Harold Liebman
Robert James Lynch
Marshall Mandell
Rita Evelyn Maza
Adeline Helen Morson
Fedele Ronald Mugavero
Bernice Betty Myers
Samuel Joseph Nemetz
Marilyn Grace Norton
Stata Elaine Norton
Anita Jacquelin Rabinowitz
Marjorie Mills Robinson
Marian Kamins Russian
Helen Louise Savage
Edith Lorraine Siegrist
Anita Lenore Slavin
Bernard Sorokin
Howard Augustine Sullivan, Jr.
Gordon Wilson Tasker
George Donald Tibbets
Marianne Dorrit Willner
Ann Terry Winchester
Dexter Vail Wright
John Harvey Yeomans
Charles Arthur Zuccardy

Honors of the Second Grade

Marcia Peace Abrams
Malcolm George Andrews
Albert Sterling Atwood
Pauline Marie Barbieri
Bernard Barnett
Jean Gertrude Baum
Theodora Newcomb Bartley
Jean Chrysostome Baudreau
Irving Harold Beck
Louis Frederick Boly
John Edward Borowy
William Franklin Brill
Paul Jean Butler
Phyllis Mildred Calhoun
Muriel Jeanne Carlson
Emanuel Chasnof
Ruth Ellen Cole
Richard Henry Cote
Serafino Mario DeCorso
Raymond James Dixon
Virginia Eastwood Dolliver
George Arthur Ecker
Muriel Stowe Eddy
William Howard Edgerton
Isadore Ehrlichman
Charles Alfred Ewaskio
Beverly Rebecca Fein
Isaac Martin Fierberg
Robert Hutchinson Foote
Nathan Matthew Franklin
Eleanor Louise Fraser
Harriet Eleanor Fryer
Ethel Jane Galinat
William Gibbons, 3rd
Julius Glater
Morris Harry Goldberg
Allan Granoff
Alice Lillian Gunther
Richard Lee Gustafson
Betty Goodspeed Hall
Gordon Standish Hart
Stanton Harrington Hirsch
June Lorraine Hoffman
Milton William Horowitz
Olive Jane Irwin
Edmund Michael Jaskiewicz
Doris Veronica Jassen
Robert Joseph Jeffries
Lois Gertrude Johnson
Nancy Elizabeth Kimball
Henry Aaron Kinne
Robert Warren Kirk
Harriet Levine
Isaac Levine
Judith Bass Liebman
Stewart Elmore McKinney
Barbara Esther Magill
Julian Mandell
Shirley Frances Meyer
William August Peter Meyer
Ann Mikulich
Bernice Moskowitz
James Vincent Muthig
Barbara Burnham Perkins
Irma Louise Philipp
Anthony Piekarz
Samuel Alexander Pratt
Dorothy Ruth Preusse
Mildred Elizabeth Puska
Edward Joseph Robb
Ellias Bon Ami Rosenthal
Vivian Gertrude Rowzee
Ethel Martha Rueinstein
Ruth Elaine Rudof
Elliott Rutstein
Ralph Edward Schachat
Daniel Harry Shapiro
Estelle Mabel Shapiro
Natalie Shuran
Edwin Richardson Smith

Olive Sonnichsen
Anthony Joseph Sterlinski
Doris Irene Stevenson
Louise Frances Stone
Ruth Gladys Tennstedt
Richard Thurston
Harold David Toubman
George Bartram Towle
Donald Mansfield Tufts
Marjorie Tuller
John Paul Wagner
Helen Agnes Wand
Anni Weissman
Harold Griswold Williams
Betty May Willsey
Barbara Jane Wilsberg
William Zanowiak

Senior Honors
A book prize established by the Faculty in recognition of those who have the highest standing in scholarship for four years.
Isadore Ehrlichman
Marjorie Mills Robinson
Edith Lorraine Siegrist

The William Duran Holman Prize in Animal Husbandry
Founded by bequest in memory of William Duran Holman, for many years treasurer of the University. Income awarded annually to the senior and the junior having the highest standing in Animal Husbandry.
Richard Burton Hamilton, of the class of 1942
Edgar Almon Wilcox, of the class of 1943

E. Stevens Henry Scholarship
Established by the bequest of the late Hon. E. Stevens Henry, for many years a trustee of the University. The income is awarded annually to the sophomore who had the highest scholastic rank as a freshman.
Mildred Marie Euerle, of the class of 1944

Ratcliffé Hicks Prize in English Composition
Founded by the late Ratcliffé Hicks of Tolland, to be awarded annually for excellence in English composition as displayed in original essays. The contest this year was judged by Professor Theodore Baird of Amherst College, Amherst, Massachusetts.
Jewell Carolyn Lieberman, of the class of 1945

Fannie Hatheway Boss Prizes
Established by gift of Mrs. Fannie Hatheway Boss of Willimantic, to be awarded annually for excellence in French.
Fedele Ronald Mugavero, of the class of 1942
Margaret Claire Landry, of the class of 1942
Theresa Wamester Krause, of the class of 1942

Lehn and Fink Medal
A gold medal, properly inscribed, awarded each year to the member of the graduating class of the College of Pharmacy who has the highest general average for the four years.
John Sigurd Rosengren, of the class of 1942
OFFICERS RESERVE CORPS COMMISSIONS

1942

Appointments as Second Lieutenants in the Officers' Reserve Corps, United States Army, by the President of the United States on recommendation of the Professor of Military Science and Tactics and the President of the University.

Albert Sterling Atwood, Inf.-Res.
Daniel Basile, QM-Res.
Albert Anthony Biretta, Air Corps-Res. (non-rated)
Lincoln Hartshorn Brown, QM-Res.
John Collins Campbell, Jr., Air Corps-Res. (non-rated)
George Martin Eckle, III, Air Corps-Res. (non-rated)
Harry Ewaskio, Sig.-Res.
Leon Ernest Forsyth, Air Corps-Res. (non-rated)
Herbert Ratenberg Gilman, Inf.-Res.
Albert Homewood Griswold, QM-Res.
Stewart DeWitt Hawkins, Air Corps-Res. (non-rated)
Earl Kenwood Hawley, QM-Res.
John Ned Hines, Sig.-Res.
Albert Hyman, QM-Res.
Edward Theodore Intravia, Inf.-Res.
Valentine Henry Kohl, Sig.-Res.
Warren Newton Levick, QM-Res.
John Thomas Linehan, Inf.-Res.
Stewart Elmore McKinney, Sig.-Res.
Philip Porter Mueller, Inf.-Res.
Theodore Townley Palmer, Inf.-Res.
Murray Leon Steinman, Inf.-Res.
Edward Abraham Temkin, Inf.-Res.
William Henry Tribou, Jr., Inf.-Res.
Felix John Zaniewski, Inf.-Res.

Commissioned Second Lieutenant Infantry, Regular Army, from Honor Graduates R.O.T.C., First Service Command, as a result of competitive examination

Robert James Lynch

MILITARY APPOINTMENTS

1942-43

Cadet Colonel
David LeRoy Field

Cadet Majors
James Vincent Cuddy
Francis Gregory Brennan

Cadet Captain, Regimental Adjutant
Francis Phillip Dellafera

Cadet Captains
Richard Alan Aubrey
Granville Pierce Brundage
Thaddeus Henry Burak
Charles Harry Cass
Charles Richard French
John Thomas Mullaney
Donald Leverett O'Brien
Norman Magnus Olson
Vasco Tiziani
Charles Arthur Zuccardy

Cadet First Lieutenants
Allan William Comrie
Warren Emile Dion
Louis Theodore Doerr, Jr.
Willard Hamilton Fish
Robert Hutchinson Foote
Jonathan Hutchinson
Robert Frank Kahan
Daniel Milan Krajcik
David Leibgrab
Arthur Peter Martini
John Carleton Moriarty
Russell Stanley Solorow
Cadet Second Lieutenants

Robert Matthews Anderson
Henry Gray Bartley
Jack Bass
Ralph Dudley Briggs, Jr.
Howard Melvin Buchanan
Spencer Godwin Campbell
Norman Arthur Clarke
Howard Irving Comstock
John Hugh Dowd, Jr.
William Dale Dripchak
Milton Dropo
Bruce Charles Eaton
Walter Bertil Erickson
Ernest Eschert, Jr.
Nathan Matthew Franklin
Victor Frank Galgowski
Attilio John Gianini
Richard Malcolm Grant
Frederick Grasemyer, Jr.
John Alland Greenwood
Hayden Leavenworth Griswold
Donald Gilbert Hoyt, Jr.
Joseph Intravia, Jr.
Sydney Jaffe
Joseph Kagan
Harold Merton Lamb
George Gilbert Merrell
Italo Peter Miglietti
Benjamin Joseph Miskavec
Charles Bolan Molloy, Jr.
James Vincent Morgia
James Vincent Muthig
Mardy Myers
Stewart Judson Petrie
Allen Hardy Pike, Jr.
Frank Anthony Pinto
Albert Charles Pleskus
Michael Paul Prisloe
David John Sheehan, Jr.
Albert Carrington Sherwood
Gordon Wilson Tasker
Stanley Michael Wajnowski
Edward John Washer
John Harvey Yeamans

HONORARY RECOGNITION

FOR LEADERS IN AGRICULTURE AND RURAL LIFE

In 1924 the Faculty and Trustees instituted the custom of giving Honorary Recognition to leaders in agriculture and rural life. The purpose of the award is not to single out "best" farmers. Rather, it is to give recognition to men and women who have made real contributions to the rural welfare of Connecticut regardless of whether their influence has been felt in local communities or throughout the state. The significance of unselfish service and the dignity and fundamental importance of farming in Connecticut are brought to the attention of the people of Connecticut, urban as well as rural, through such recognition publicly bestowed.

Since 1924 fifty men and women of Connecticut have had Honorary Recognition certificates conferred upon them at the annual Farm and Home Week. Because of travel restrictions Farm and Home Week was omitted in 1942. No certificates were awarded.
LIST OF STUDENTS

1942-43

GRADUATE STUDENTS*

Abbott, Samuel L.
B.S., Middlebury College
Reedory School, Pomfret

Adler, Rita
B.Ed., Teachers College of Connecticut
75 Airdmore Rd., West Hartford

Ahern, Marion
A.B., Georgian Court College
12 Wetmore Place, Middletown

Andersen, Hannah Camilla
A.B., Connecticut College
Harrisons Landing, Waterford

Andrews, Raymond Rich
B.A., University of Connecticut
474 Main St., Norwich

Bair, Carl Morris, Jr.
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Agriculture; A, College of Arts and Sciences, curriculum in Arts; B, School of Business Administration; Ed, School of Education; Eq, School of Engineering; H, School of Home Economics; N, School of Nursing; P, College of Pharmacy; S, College of Arts and Sciences, curriculum in Science; SA, School of Agriculture; 1, freshman; 2, sophomore; 3, junior; 4, senior.

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Aitner, Thomas Michael 2S  
21 Jay St., New London

Albert, David 129 Sylvan Ave., New Haven

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71 Ash St., Bridgeport

Alderman, Norman Edward 3S  
186 Goffe Terrace, New Haven
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<tr>
<th>Name</th>
<th>Building/Address</th>
<th>Telephone</th>
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<td>15 Griswold St., Meriden</td>
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<td>Antonini, Nicholas Edwin</td>
<td>2A 65 Ferry Place, Bridgeport</td>
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<td>Antokol, Frances Lillian</td>
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<td>1A 145 Center St., Manchester</td>
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<td>Auray, Jeanne Anne</td>
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<td>Austin, R. Alton</td>
<td>4Ph 171 Broadway, Milford</td>
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<td>Ayer, Richard Kelloog</td>
<td>2Ag R. D. No. 1, Unionville</td>
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<td>Aziz, Ann Ruth</td>
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<td>Bacon, Raymond Eugene</td>
<td>2B 9 Maple Ave., Willimantic</td>
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<td>Bahner, Charles Francis</td>
<td>1Eg 1655 North Ave., Bridgeport</td>
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<td>Bailey, Rockwell Dick</td>
<td>1Eg 3 Goshen St., Hartford</td>
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<td>Ballin, Jack Louis</td>
<td>4S 499 Wood Ave., Bridgeport</td>
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<td>Baker, Allen</td>
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<td>Bales, Clayton Leeman</td>
<td>1S 25 Vermont Ter., Southport</td>
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<td>Baldwin, Charles Herbert</td>
<td>1Eg 101 So. Main St., Branford</td>
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<td>Baldwin, David Harrison</td>
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<td>Baldwin, David Rowson</td>
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<td>Baldwin, Howard Griswold</td>
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<td>Bamforth, Bernice LaVida</td>
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<td>Barbero, Russell Louis</td>
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<td>Barbieri, Pauline Marie</td>
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<td>Barbuto, Paul Richard</td>
<td>2Eg 76 Church St., Wallingford</td>
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<td>Barlow, Clement Stevens</td>
<td>3S Eastford</td>
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<td>Barlow, James Nelson</td>
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<td>Barnes, Frederick Ames</td>
<td>1SA Mystic</td>
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<td>Barnes, Howard Edward</td>
<td>3Eg 960 So. Main St., Plantsville</td>
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<td>Barnett, Bernard</td>
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<td>Barney, Harold Vincent</td>
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<td>Baron, Rheta Sylvia Esse</td>
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<td>Barrett, Robert Edward</td>
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<td>Barrows, Marion Esther</td>
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<td>Barr, Dorothy Janie</td>
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<td>Barrow, Ruth Joan</td>
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<td>Batt, Eli David</td>
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<td>Batt, Harold</td>
<td>3S 1595 Boulevard, New Haven</td>
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<td>Bauer, Mary Joanne</td>
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<td>Bayreuther, Christian</td>
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<td>Bazarian, Helen Jean</td>
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<td>Beadle, Richard</td>
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<td>Beaumont, Doris Ellen</td>
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<td>Beaver, John Warner, Jr.</td>
<td>2A Pentacost St., Short Beach</td>
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<td>3S 41 Elm St., Rocky Hill</td>
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<td>Beck, Irving Harold</td>
<td>4S 97 Irving St., Hartford</td>
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<td>Becker, Gordon Murray</td>
<td>1S 415 Charles St., Bridgeport</td>
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<td>Bradovchak, John Elias</td>
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<td>Branower, Alice Betty</td>
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Chamoff, Emanuel 3A 922 Howard Ave., New Haven
Chatfield, John Edward 2Eg 171 Church St., West Haven
Chausky, Elaine Natalie 2A 80 Clearview Ave., Springfield
Chevallier, Mary Edith 2A 2960 Main St., Glastonbury
Chippirini, Italo 1Ag Pleasant Valley Rd., Groton
Chotkowski, Anna Maria 1S Box 97, Colchester
Christianson, Keith 2S 189 Park Way, New London
Christie, Joan Helen 4Ed 29 Longview Ave., Fairfield
Christino, Robert Victor 1A 244 Branford St., Hartford
Ciarlo, Rocco A. 3Ph 890 North Main St., Waterbury
Cieri, Lucille 1S 80 Sterling St., Hartford
Civillo, James Francis 1Eg 164 South Main St., Manchester
Claps, Gladys A. 2A 25 Gerard Ave., Bucks Hill, Waterbury
Clark, Charles Augustus, Jr. 2Eg 45 Osborn St., Norwalk
Clark, Dudley Woodman, Jr. 2S R. D. No. 1, Somers
Clark, Jane Elizabeth 1H Main St., Ivoryton
Clark, John Raymond 1Eg 2 Culter Ct., Naugatuck
Clark, John Warren 1S 9 Wilford Ave., Branford
Clark, Katherine Anne 4S 250 Park Rd., Waterbury
Clark, William Kendall 1S 192 Washington Ave., Hamden
Clarke, Jean Parish 4A 273 West Broad and Avery St., Westerly, R. I.
Clarke, Jean Russell 4S 15 South Main St., Manchester
Clarke, Norman Arthur 3S 29 Gordon St., Waterbury
Clemenson, Natalie Ann 4A R. D., New Preston
Cleveland, Robert Linsted, Jr. 2Eg 171 Rockland Rd., Bridgeport
Clifford, Lee Hadden 2Eg 36 Myra Rd., Hamden
Clinton, Marcey Mary 2Eg 873 Tower Ave., Hartford
Codd, William Schuyler 1Eg 25 Tinker Ct., New London
Coderre, Marc Reginald 3A Church St., North Groton-Nordale
Cog, Malcolm Donald 2A 79 North St., New Haven
Coe, Robert Roy 1S 53 Hemingway Ave., East Haven
Coen, Alice Louise 3Ed R. D. No. 2, Southbury
Coffey, Catherine Agnes 4Ed Church St., Plainfield
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Coggeshall, John L. 2A R. D. No. 2, Norwich
Coggins, Nancy Claire 4B 824 Park Ave., Richmond, Va.
Cohen, David Solomon 1Ag 106 Farmore St., Hartford
Cohen, Dolores Stambul 1A 148 Westminster St., Hartford
Cohen, Edward 3S 450 Blue Hills Ave., Hartford
Cohen, Martin Stephen 1B Chestnut Hill Ave., Norwalk
Cohen, Morton Bernard 1Eg 101 Davis St., Westville, New Haven
Cohen, Priscilla Esther 3S 1827 Asylum Ave., West Hartford
Cohen, Raymond 1Eg 151 Gilbert Ave., New Haven
Cohen, Sidney Robert 1Eg 21 Orchard St., New Haven
Cohen, Solomon 3S 203 Slate St., Meriden
Cole, Ruth Ellen 2A 41 Orange St., Bridgeport
Collamore, Eileen Gordon 2H 35 Prospect St., Essex
Collins, Porter Allen Wapping
Collins, Leo 4Ph 10 Feasteve Ave., Cromwell
Cot, Barbara Mae 2H 144 Hinsdale Ave., Winsted
Comrie, Allan William 4A R. D. No. 49, Thompsonville
Comstock, Howard Irving, Jr. 3A 265 Washington Ave., Bridgeport
Condon, Joseph Moakley 4Eg 880 Elm St., New Haven
Condon, William James 1Eg 177 Sisson Ave., Hartford
Condren, Francis Edward 1Eg 29 Watery Ave., Portland
Cone, Hope Lamprey 2B
Confrey, Patricia Gertrude 3Ed 13 South Main St., Jewett City
Conley, William Patrick 4B 207 Winthrop Ave., New Haven
Converse, Jane 1A 6 Phelps Rd., Manchester
Coogan, Clarence Agustus, Jr. 2A 96 Greenmavnle Ave., Mystic
Cooke, William Raymond 3Eg 37 West Broad St., Plainville
Cookridge, Kathleen Lynch 1A Main St., Waterbury
Coons, Carolyn Elaine 3B 1706 Union St., Schenectady, N. Y.
Corbin, Edward 4Ph 1052 Campbell Ave., West Haven
Corcoran, Nelson Charles, Jr. 1S 174 Ball Farm Rd., Okejville
Cornish, William Baker, Jr. 1Ag 36 Field St., Stamford
Cosenza, Joseph Francis 1Ag 362 Goodrich St., Hamden
Costa, Sadie Patricia 4Ed 2137 North Ave., Bridgeport
Costello, Albert J. 3Ph Uncasville
Cote, Richard Henry 2S 94 Sterling Rd., East Hartford
Coulombe, Harry Joseph 4B 299 Columbus Ave., New Haven
Courrier, Robert John 1S 49 Chestnut St., South Norwalk
Coutts, Arthur James 1Ag 70 Brookline Ave., Hartford
Cowles, Caroline Miller 3B 98 Clinton Ave., Stratford
Cowles, Jean Doris 1S 22 Standish St., Bridgeport
Cowles, Raymond Isbell, Jr. 1Ag Racebrook Rd., Woodbridge
Craig, Jessie 1S 148 Field Point Rd., Greenwich
Crane, Charles Howard 1B 25 Atwood St., Newington
Crane, Dora Bella 1A 22 Monroe St., Hartford
Crane, Robert Chalmers 2B 25 Atwood St., Newington
Creesy, Gai 1A Box 95, Storrs
Croog, George Philip 1S 396 Sherman Ave., New Haven
Crosby, Edwin Andrew 1S West View Park, Riverside
Crosthwaite, John Searce, Jrs. 1Eg 83 Beecher St., Bridgeport
Crotta, Daniel Paul 1Eg 24 Lincoln St., West Haven
Crowther, Bruce Robert 3B 366 Elm St., West Haven
Cuddy, James Vincent 4S 130 Cherry St., Naugatuck
Culherson, Katharine 1SA Mansfield Center
Cummins, Barbara Elizabeth 1H 50 North Bergen Pl., Freeport, N. Y.
Cumminske, Rita Cecelia 3A 16 Allen St., Lynbrook, N. Y.
Cunningham, Andrew Corbett 1B 116 Poquonnock Ave., Windsor
Cutinan, Robert Thomas 1B New St., Sharon
Cuprak, Lucian John 4S Harland Rd., Norwich
Curkin, Lloyd Harold 2S 326 South Main St., Middlehaven
Curland, Marvin Lewis 2Eg 50 Broad St., Norwich
Curren, James Joseph 3B 188 Campbell Ave., West Haven
Curtis, Jay Ashman, Jr. 1SA Stafford
Custer, Martha Eleanor 2S 107 Benton St., Hartford
Cutler, Virginia Faye 1S 67 Ohio Ave., East Hartford
Czarnecki, John Anthony 1A 33 Akron St., Meriden
Dalley, Marion May 3S 423 New Brant Ave., Hartford
Daly, Richard Vincent 3A 69 Field St., Stamford
D'Ancico, Victor Veneto 4S 1409 Green St., New Haven
Daniels, Joseph Joseph 1Eg 16 Dikeman St., Waterbury
Davenport, Florence Virginia 2N Ridgefield Rd., Willon
Davidson, Natalie Rose 2S 106 Pembroke St., Hartford
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Freedman, Michael  
66 Pine St., Torrington  
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Frey, Miss Alice  
8 Julian Ter., Norwich  
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Frey, Margarette Elizabeth  
71 Maplewood Ave., West Hartford  
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Frow, George Everett  
West Hartford, New Haven  
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Friedman, Abraham  
54 Tulip St., Bristol  
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Friel, Helen Doris  
501 Main St., South Glastonbury  
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Fuller, Erwin Everett  
Latham Lane, Suffield  
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Fuller, Franklin Apollos  
176 Mapleton Ave., Suffield  
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Fuller, Robert Austen  
35 Meadowbrook Rd., West Hartford  
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Furner, Loren Charles  
270 Post Rd., Darien  
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Gadke, Lois Cecille  
9 Hartford Ave., Thompsonville  
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Gage, Walter Ernest  
30 Hanahan St., Stamford  
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Gale, Lois Yvonne  
Chesnut Hill Rd., Somers  
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Galowski, Victor Frank  
Miller Rd., Middlefield  
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Galin, Sherman Sheridan  
47 Hockhiski St., New Haven  
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Galinat, Walton Clarence  
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Galinisky, Julius Leonard  
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Gates, Leland Clayton, Jr.  
College Highway, Weatogue  
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79 Montauk Ave., New London  
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Hazardville  
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Gellert, Florence  
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64 Arlington St., West Haven  
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76 Prospect St., Stafford Springs  
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Gitlin, Sydney  
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115 Fairview Ave., Jersey City, N. J.  
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976 East Tenth St., Brooklyn, N. Y.  
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281 Westbourne Plcy., Hartford  
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724 Tower Ave., Hartford  
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507 Harvard Ave., Stratford  
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28 Marion Ave., Harrison, N. Y.  
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20 West Willow St., Westfield  
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42 Benton St., Hartford  
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1327 East 20th St., Brooklyn, N. Y.  
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Newfield St., Middletown  
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9 West Pearl St., New Britain  
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Gorky, Herman  
P. O. Box 88, Tolland  
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Gosch, Louis F.  
100 Bassett St., New Haven  
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Gottstein, Martin  
137 Square St., New London  
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Grace, Richard Simmons  
Bunker Hill Rd., Southbury, Conn.  
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147 Elm St., Thompsonville  
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Gradia, Betty Evelyn  
36 Derby Ave., New Haven  
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Grady, Robert Francis  
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Graf, Dorothy Jean  
The Timbers, Hingham  
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Graham, Thomas William, Jr.  
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<tr>
<td>Guglietta, John Francis</td>
<td>1Eg 118 Brookline Ave., Bloomfield</td>
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<tr>
<td>Guina, Charles Anthony</td>
<td>1A 79 Center St., Glenbrook</td>
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<tr>
<td>Gunther, Dorothy Edith</td>
<td>1H Hyde Ave., Rockville</td>
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<td>Gustafson, Richard Lee</td>
<td>2Eg 298 Pleasant St., Willimantic</td>
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<td>Gustafson, Walter Elmer</td>
<td>4S 84 Hamlin St., Manchester</td>
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<td>Hackman, Florence</td>
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<td>Haddad, Emil Joseph</td>
<td>2A 4 Valley St., Willimantic</td>
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<td>Hadyka, Fedor Fred</td>
<td>1Eg 793 Milford Point Rd., Milford</td>
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<tr>
<td>Hafner, Edwin Albert</td>
<td>2Eg Box 262, Derby Ave., Orange</td>
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<td>Hahn, David Beecher</td>
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<tr>
<td>Halapin, Virginia Rose</td>
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<tr>
<td>Hale, Nathan Strong</td>
<td>1Ag 316 William St., Portland</td>
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<tr>
<td>Hall, Barbara Elizabeth</td>
<td>4Ed 354 South Main St., Wallingford</td>
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<tr>
<td>Hall, Betty Goodspeed</td>
<td>2B 27 R. D. No. 3, Waterbury</td>
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<tr>
<td>Hall, Marjorie Louise</td>
<td>2H 55 Marshall St., West Haven</td>
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<td>Halpeny, Ann Elizabeth</td>
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<td>Halperin, Norman</td>
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<td>Halpin, Marvin Michael</td>
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<td>Halwick, William Walter</td>
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<td>Hammerstrom, Lorraine Margaret</td>
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<td>Harper, Clair Charles, Jr.</td>
<td>3B Pomfret Inn, Pomfret</td>
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<td>Harrington, George F.</td>
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<td>Harris, Flavia Ann</td>
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<td>Harris, Gordon Wells</td>
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<td>Harris, Leroy Edgar</td>
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<td>Harrison, Edythe V.</td>
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<td>Hart, Oliver Marion</td>
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<td>Hart, Robert Delos</td>
<td>3Eg R. D. No. 1, Collinsville</td>
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<td>Hartke, William Mitchell</td>
<td>1S 44 Deerfield Ave., Middletown</td>
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<td>Harvey, Everett Burton, Jr.</td>
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<td>Hass, Helen Blanche</td>
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<td>Hastings, Winthrop, Jr.</td>
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<td>Hatcher, Howard Morris</td>
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<td>Hayter, Walter R., Jr.</td>
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<td>Healy, John Lewis</td>
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<td>3S 95 Donna Ave., Stamford</td>
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<td>4Ag 1305 Fourth Ave., Spring Lake, N. J.</td>
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<td>Herberger, Armin Benpor</td>
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<td>1S 370 Toilsome Hill Rd., Bridgeport</td>
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<td>Highkin, Harry Robert</td>
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<tr>
<td>Hill, Sylvia Eunice</td>
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<tr>
<td>Hinchcliff, Thomas Henry</td>
<td>2Eg 67 Park St., Bristol</td>
</tr>
</tbody>
</table>
LIST OF STUDENTS

Hinchliffe, Raymond, Jr. 2S
94 Sherman St., Bristol

Hines, John Ned 4Eg
851 Enfield St., Thompsonville

Himmans, Jeanne Isabelle 4H
R. D. No. 3, Bristol

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Stafford

Horsman, Ruth Mabel 3A
Stafford

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Hubbard, Mary MacNaughtan 3S
Chaplin

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High St., Farmington

Hunter, Shirley Barbara 3S
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42 Park Cir., Milford

Hurlbut, Elsie Mabel 1A
6 Bellevue Pl., Middletown

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Hutchinson, Jonathan 4A
380 Main St., Bristol

Hutchinson, Lois Mary 1N
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East Woodstock

Hyde, Robert William 4B
24 Turner Ave., Hamden

Hyman, Oscar 1S
40 Carter Ave., Meriden

Iervasi, Pasquale 3Ph
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14 Lincoln Ct., New London

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125 So. Main St., South Norwalk

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304 Campfield Ave., Hartford

Iodice, Frank Peter 2B
195 Kensington Ave., Meriden

Irwin, Olive Jane 2S
299 Main St., Manchester

Ivanovich, Stephen Charles 3B
25 Cambridge St., Stratford

Ives, Alden Allen 1Eg
R. D. No. 1, Thomaston

Ives, Arthur Allison 2S
169 Holland Ln., East Hartford

Jackaway, Harry Noman 1S
119 Brighton St., New Britain

Jackson, Austin Lee 1Ag
Millerton, N. Y.

Jackson, Carl William, Jr. 1B
Highland Ave., Portland

Jackson, Howard Alan 1A
577 Ellsworth Ave., New Haven

Jacobs, Hyman Silliman 2A
66 York St., New Haven

Jacobs, Marie Christina 3A
26 Buckingham Pl., Bridgeport

Jacobson, Arlene D. 1A
533 East Main St., Meriden

Jacobson, Belle Gloria 3A
105 Washington St., Norwich

Jacoacci, Louis John 3A
201 Derby Ave., Derby

Jacoby, Joseph Francis 2Eg
101 Bancroft Ave., Bridgeport

Jacques, Beatrice Smith 3A
182 Richards St., West Haven

Jaffe, Julian Joseph 1S
R. D. No. 1, Colchester

Jaffe, Robert 4Ph
64 Rhodes St., New Britain

Jaffe, Ruby Israel 3A
18 Broadway, Colchester

Jaffe, Sydney 3A
61 Beers St., New Haven

Jainchill, Muriel Lillian 2A
39 Winchester St., Hartford

James, Elizabeth Louise 4H
1 Prindle Ave., Ansonia

James, Marian Nancy 2H
1 Prindle Ave., Ansonia

Janoff, Irma Zelma 2A
188 Gaff Ter., New Haven

Jaskiewicz, Edmund Michael 2Eg
136 Washington St., Norwich

Jeffries, Robert Joseph 3Eg
172 South St., Hartford

Jenkins, Charles Stewart 1Eg
15 Edgewater Dr., Old Greenwich

Jenks, Ruth Marie 4H
18 Elm St., Paulville

Jenusaitis, Florence Frances 1A
21 Chipman St., Waterbury

Jeruss, Edward Joseph 1Eg
1345 Chapel St., New Haven

Jessop, Edward Walter 2Ag
5 Bellevue Pl., Middletown

Jester, Richard Harrison 2B
Red Stone Hill, Plainville

Jeroers, Robert Edwin 1Eg
99 Hill St., New Britain

Johns, Dorothy Virginia 1A
227 High St., Bristol

Johnson, Armstrong Keith 1B
Box 167, Quaker Hill, Waterford

Johnson, Clifford Albert 2CA
Sugar St., Newington

Johnson, Florence Josephine 2A
73 Bonny View Rd., West Hartford

Johnson, Frances Coit 1A
96 Union St., Norwich

Johnson, George Manley 1S
47 Bigelow St., Manchester

Johnson, John Raymond 2Eg
121 Black St., New Haven

Johnson, Kenneth Edwin 1Ag
West Mt. Rd., Ridgefield

Johnson, Lois Gertrude 4S
8 Nordland Ave., Cromwell

Johnson, Marjorie 1N
117 Robert St., Waterbury

Johnson, Norma Dorothy 3B
R. D. No. 4, Box 51, Putnam

Johnson, Richard Eric 2Eg
Old Post Rd., Northford
Johnson, Roger Burr 4S
Boz 167, Quaker Hill

Johnston, David, Jr. 4Eg
20 Pease St., Thompsonville

Jones, Augustus James 1Eg
90 Thames St., New London

Jones, Barbara Huntington 4Ed
Broad Acres Farm, Shelton

Jones, Eleanor Mary 2B
461 Wood Ave., Bridgeport

Jones, Mary Gilys Rose 4Ed
34 Broad St., Danielson

Jones, Richard Charles 2Eg
45 Morse Ave., Groton

Jones, Wesley Robert 2Ag
57 Woodhaven Ave., Naugatuck

Jordan, Carmine George 4Eg
121 Maple St., New Haven

Jorgensen, Albert 1Eg
Storrs

Jorgensen, Jorgen Arnt 3Eg
R. R. No. 1, Uncasville

Joyce, Calvin Richard 4Eg
Cedar Heights Rd., Stamford

Joyce, Virgilia Frances 3H
West Todd St., Mount Carmel

Kablesh, William 2Ag
7 West Main St., Terryville

Kagan, Joseph 3Ag
41 Earle St., Hartford

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Box 75, Vernon

Kahan, Shirley Marian 1S
Box 75, Vernon

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653 Colorado Ave., Bridgeport

Kalison, Harriette Beatrice 4S
135 Osborn Ave., New Haven

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116 Jefferson St., Hartford

Kamins, Roberta Vera 1N
152 Bayard Dr., West Hartford

Kane, Dorothy Mildred 2B
420 Robinson St., Waterbury

Kaplan, Evelyn Anne 2S
34 Bulkeley Ave., Hartford

Kaplan, Howard Levin 2Eg
16 Vose St., Ansonia

Kaplan, Mildred 1A
252 Cedar St., New Haven

Karpinski, Charles Mitchell 4S
Mapledale Ave., Suffield

Kashman, Joseph Robert 2S
104 Kenyon St., Hartford

Katz, Donald Aaron 1B
238 Colynge Ave., New Rochelle, N. Y.

Katz, Herbert Ruel 3S
54 Westbourne Pkwy., Hartford

Katz, Myron 1S
52 Roberts St., New Britain

Katz, Norman Jerome 1Eg
38 Sylvan St., Hartford

Kavanek, John Henry 3Ag
249 Corinth St., Hartford

Kazar, Andrew Paul, Jr. 4S
145 Berry St., Torrington

Keats, Betty Estelle 2A
143 Lorraine St., Bridgeport

Keeler, David Martin 1S
11 Ophelstead Pk., East Norwalk

Kehoe, Mary Louise 2A
96 Vernon St., Stratford

Kelley, Eugene John 3B
5 May St., New Haven

Kelley, Francis Joseph 1Eg
17 Maple Ave., Waterbury

Kelly, James Charles 1Eg
154 Pearl Ave., Hamden

Kennedy, John Francis 1Eg
87 Malher St., Hartford

Kenney, Shirley Blanche 1N
191 Church St., New Haven

Keogh, John Joseph, Jr. 3A
153 Basildon St., New Haven

Kerekian, Edward 1Ph
48 Woodland St., New Britain

Keser, Kathryn Mary 4H
10 Bartlett St., Portland

Kessels, John Monson 1Eg
30 Alineier St., Hamden

Kevorkian, Carl 3Ph
18 Rodney St., Hartford

Khazarian, Sarkis M. 1Ph
1425 Senate Ave., Bridgeport

Kiely, John Patrick, Jr. 2A
43 Platt St., Ansonia

Kilday, Walter Warren 1Eg
232 Shelton Ave., New Haven

Kilroy, William Coughlin 1Eg
62 Winthrop Tre., Meriden

Kimball, Leonard Clyde 1A
262 Boswell Ave., Norwich

Kimball, Nancy Elizabeth 4A
952 Bank St., New London

King, Gordon Abbott 1B
99 Church St., Plantsville

King, Harriet Hazel 4Ed
R. D. No. 2, Westley, R. I.

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450 High St., Middlefield

King, Preston Coldwell 1S
26 Cole Ave., Millis, Mass.

King, Richard Adams 3Ag
99 Church St., Plantsville

King, Stuart Mitchell 2A
Coles Ave., Millis, Mass.

Kingsley, May Adelene 1H
R. D. No. 1, Yantic

Kingsley, William John 1S
779 Capitol Ave., Hartford

Kinsler, David Albert 1S
24 Hebron St., Hartford

Kinsler, Lainey Alice 2A
17 Meriden Ave., Meriden

Kinsler, Milton Louis 1Eg
297 Pleasant St., Willimantic

Kirk, Robert Warren 4Ag
8 Woodmere Rd., Stamford

Kirschner, Charlotte Betty 3A
332 Winthrop Ave., New Haven

Kiss, William 2Sa
245 Fairfield Ave., Fairfield

Kissell, Donald David 1Eg
10 Main St., Branford

Kiszkiel, John 4Ph
154 Central Ave., Norwich

Kivelevitch, Leo 3Eg
31 Fairmount Ave., Norwich

Kline, Morgan Marshall 3S
71 Lenox St., Hartford

Klososki, Frederick Michael 2B
35 Spruce St., Willimantic

Knueck, Edward Alfred 2B
712 Orange St., New Haven

Knapp, Janet Rowena 2A
282 Beaumont St., Brooklyn, N. Y.

Knapp, Richmond Lewellyn 1Eg
426 Knapp’s Highway, Bridgeport

Knell, David Melchior 2Eg
106 South Vine St., Meriden

Knolton, Donald Archer 2Eg
Box 213, South Beach

Knox, Walter Lewis 1Eg
Devon Ave., Orange

Knox, Howard Lee 1A
11 River St., Deep River

Kudens, Everett Burr 2B
16 Homestead Ave., Derby

Kocaba, Helen Louise 3S
64 Rufus St., Ansonia

Konick, Arthur Edward 4Eg
121 Greenwood St., New Haven

Kopelman, Robert Franklin 1Ag
17 College St., New Haven

Koper, Britta 2S
R. D. No. 2, Madison

Koszewski, Francis Andrew 1Eg
19 Oak Ave., Shelton

Kosovsky, Melvin 1Eg
135 Irving St., Hartford

Kosturak, John Joseph 1S
604 Ogden St., Bridgeport

Kowats, Daniel Frank 1Eg
498 Knapp’s Highway, Bridgeport

Kowz, Edward Alexander 1Eg
35 Grove Ave., Mystic

Kozech, Anna 1H
R. D. No. 3, Southbury

Kozech, Mary 4H
R. D. No. 3, Southbury

Krajic, Daniel Milan 4Ag
695 Madison Ave., Bridgeport

Kramer, Frieda Leiba 2S
19 Wellville Ave., New Milford

Krane, Merrill H. 3Ph
12 Magnolia St., Hartford

Kratte, Shirley Constance 4A
59 Clark Pl., Port Chester, N. Y.

Kraut, Nathan 1S
640 Hallett St., Bridgeport

Kravitz, Sanford 1S
72 Hill St., Waterbury

Krueger, Samuel 2A
40 Union St., Shelton

Krick, Shirley Jean 1B
512 Yale Ave., New Haven

Krieger, Edwin C. 1S
144 Washington St., Norwich

Krivonos, Estelle 2A
46 Kelsey Ave., West Haven

Kroger, Charles Augustus, Jr. 1Eg
209 Helen St., Hamden

Kuehn, Paul Gerald 2S
66 Edgemere Ave., West Hartford

Kuehn, Thomas Joseph 1Eg
450 Willard Ave., Bridgeport

Kull, John Daily 1Eg
47 Maplewood Ave., West Hartford

Kurtze, Lois Lorraine 1H
5 Grand St., West Haven

Kurz, John David 2Eg
53 Frank St., Stamford

Kuslan, Louis Isaac 4Ed
170 Washington Ave., West Haven
### List of Students

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Town, State</th>
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<tr>
<td>Kuzdak, Anthony Patrick</td>
<td>3S 111 Milk St., Willimantic</td>
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<td>Lackman, Marion Elizabeth</td>
<td>1A Jackson St., Thomaston</td>
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<td>LaFlure, Eugene W.</td>
<td>1Ph 113 Adams St., Hartford</td>
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<td>Lamb, Harold Merton</td>
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<td>Lampe, Ruth</td>
<td>1H Mansfield Depot</td>
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<td>1A 52 Main St., East Hampton</td>
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<td>3B 101 Irving Ave., Waterbury</td>
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<td>Lassman, Rosalie Shayne</td>
<td>2A 324 Cornwall St., Hartford</td>
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<td>Latwicke, Anton John</td>
<td>4B 19 Ash St., Manchester</td>
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<td>3H 250 Maple St., Norwich</td>
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<td>Lato, Frank Joseph</td>
<td>2SA 59 Forest St., New Canaan</td>
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<td>Lattimer, Robert William</td>
<td>1Eg Greenswood Rd. East, Norfolk</td>
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<tr>
<td>Lattin, George Wheeler, Jr.</td>
<td>2Eg 434 Villa Ave., Bridgeport</td>
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<td>Lavastida, Robert</td>
<td>3A 438 Wakelee Ave., Stratford</td>
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<td>Levitt, Stanley Robert</td>
<td>2B 432 Ellsworth Ave., New Haven</td>
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<td>4S 62 Burton St., Hartford</td>
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<td>Lazinuk, Alexander Joseph</td>
<td>1Eg Box 201, Montville</td>
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<td>1S 117 Wethersfield Ave., Hartford</td>
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<td>Lear, Aga Florence</td>
<td>4A 197 Wakelee Ave., Ansonia</td>
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<td>Lee, Mollie</td>
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<td>1B 49 Norwich Rd., Colchester</td>
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<td>LeGeyt, Mary Ellen</td>
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<td>4S 183 Winthrop Ave., New Haven</td>
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<td>Lerner, Irving</td>
<td>1Ph 6 Johnson St., Middletown</td>
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<td>4Ph 133 Smalley St., New Britain</td>
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<td>Levine, Isaac</td>
<td>4Ag 32 Union St., Willimantic</td>
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<td>Lewis, Kenneth Crompton</td>
<td>1SA 20 No. George St., Meriden</td>
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<td>Lewis, Susan Helen</td>
<td>1S 58 Steele Brook Rd., Waterbury</td>
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<td>3B 41 Butler Ave., Bridgeport</td>
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<td>1S 147 Blue Hills Ave., Hartford</td>
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<td>2S 55 Sargent St., Hartford</td>
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<td>Liebenthal, Oscar Paul, Jr.</td>
<td>1B 100 West Ridge Rd., Waterbury</td>
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<td>1Eg 12 Stanley Rd., Glenbrook</td>
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<td>Liliedahl, Henry W.</td>
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<td>Loris, Kathleen</td>
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<td>Loper, Val Acton</td>
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<td>Loughlin, William Aloysius</td>
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<td>3H R. D. No. 2, Southbury</td>
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<td>2SA 1120 East Main St., Meriden</td>
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<td>2A 37 Alger Pl., New London</td>
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<td>2S 1640 Boston Ave., Bridgeport</td>
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<td>Luginbuhl, Roy Emil</td>
<td>4Ag Stage Route, Rockville</td>
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<td>Luntz, Lester Lawrence</td>
<td>2S 182 Cornwall St., Hartford</td>
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<td>Luongo, Bernard</td>
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<td>1S 183 Stillwater Ave., Stamford</td>
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<td>Lucas, Patricia Jean</td>
<td>1N 105 Newington Ave., Hartford</td>
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<td>Lydard, Lois Harriet</td>
<td>3A 336 Church St., Wethersfield</td>
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<td>Lynch, Marigee</td>
<td>1A 98 Vine St., Bridgeport</td>
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<td>McAluffy, Daniel Joseph</td>
<td>1Eg 16 Henry St., Hartford</td>
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<td>McCabe, Donald Edward</td>
<td>1Eg 115 Russell St., Manchester</td>
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<td>McCabe, John Frederick</td>
<td>3S 330 East 1st St., New York, N. Y.</td>
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<td>McCabe, Tharon Electra</td>
<td>4S 36 Prospect St., Windsor</td>
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<td>McCaffrey, Almira Shirley</td>
<td>11H R. D. No. 1, Old Saybrook</td>
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<td>McCarthy, Donald Alfred</td>
<td>1B 500 Central Ave., New Haven</td>
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<td>McCarthy, Francis Joseph, Jr.</td>
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<td>McCleary, George Alfred, Jr.</td>
<td>1SA 47 Highland Ave., Watertown</td>
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<td>McClelland, Myra Joan</td>
<td>3A 46 Swarthmore St., Hamden</td>
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<tr>
<td>McConnell, Ellicott</td>
<td>2S Box 339, North Stonington</td>
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</tbody>
</table>
LIST OF STUDENTS

Metzger, Harry Cecil 4Eg
1409 East Main St., Bridgeport
Metzler, Mary Ann 1A
278 East Main St., Waterbury
Meyer, Edward Alfonse 1S
1 Hand St., Naugatuck
Meyer, Joseph 1B
10 Kensington St., New Haven
Meyer, Shirley Frances 2B
3 Post Hill Pl., New London
Meyer, William August Peter 2Eg
113 Myrtle St., Shelton
Michel, Raymond Joseph 1Eg
28 Atwood Ave., West Haven
Michniewski, Edward Joseph 1S
52 High St., Derby
Mickle, Norma Jean 1S
21 Lincoln Rd., Wethersfield
Miglietti, Italo Peter 3Eg
114 Richard St., West Hartford
Migliore, Custode Frank 1Eg
130 Lafayette St., New Haven
Mikulich, Ann 3Ed
R. D. No. 1, Box 274, Oxford
Milazzo, John Michael 3Eg
899 Congress Ave., New Haven
Miller, Arthur Irving 2B
275 Bartis Ave., New Canaan
Miller, Edward Marcus 2A
2 Elmwood Rd., New Haven
Miller, Ellen Christine 4H
Gales Ferry
Miller, Pearl Ruth 2A
310 McKinley Ave., Bridgeport
Miller, Walter Russell 1S
562 Thompson Ave., East Haven
Mills, Frederick Huntington 1B
767 Broad St., Meriden
Mirskey, William 3Eg
18 York St., Hartford
Mirtl, Glenn John 2Eg
West Willington
Miserochi, John Noble 1S
15 Park Ave., Old Greenwich
Misheley, Joseph John 3S
51 Hill St., Stamford
Miskavech, Benjamin Joseph 3Eg
62 West St., Poquonnock
Mitchell, George Leonard 1S
138 Juden St., West Haven
Mitchell, Gerald Clarence 1B
347 Garden St., Hartford
Mitchell, James Ronaldson 4Eg
13 Parker St., Ansonia
Mix, Marriana Jean 1A
102 Knepperbco Ave., Springdale
Moffett, Jean Hortense 1H
254 Homeland Ave., Bridgeport
Mohr, Frederick Charles, Jr. 1Ag
17 Spruce St., Manchester
Mokrycki, John 1Eg
97 Victoria Rd., Hartford
Moll, William George 1B
47 Melrose Ave., Bridgeport
Molloy, Agnes Elizabeth 1S
1050 Howard Ave., Bridgeport
Molloy, Charles Bolan, Jr. 3S
1050 Howard Ave., Bridgeport
Montano, Anthony Nicholas 1Eg
428 Franklin Ave., Hartford
Montano, George Paul 3B
Ridge Rd., North Haven
Moore, Woodford James, Jr. 1Eg
81 Westland St., Hartford
Moore, Robert Alan 1Eg
262 Bristol St., Southport
Moquet, Albert Raymond 1A
674 Second Ave., West Haven
Moransky, Theodore 1Eg
14 William St., Stamford
Morgia, James Vincent 3S
130 Penbrooke St., Bridgeport
Moriarty, John Carleton 4B
382 East Center St., Manchester
Morkus, Xavier Francis 2S
142 Seymour St., Hartford
Morrill, William Everett 3B
10 Baumont St., East Hartford
Morris, Claire Shirley 1A
115 Irving St., Hartford
Morris, George Ray 1A
59 Paramount Ave., Hamden
Morrisey, Robert Newbold 1A
35 Glenwood Ave., Stratford
Morse, Richard Wilson 2Eg
R. D. Columbia
More, Adeline Helen 4S
6 Church St., Norwalk
Mory, Donald Lewis 3B
176 Roncalli Rd., Fairfield
Moessos, Malcolm 2A
293 Westland St., Hartford
Moskovitz, Bernice 4A
224 Highland Blcl., Brooklyn, N. Y.
Moss, Esther Louise 1A
Storrs
Mrs. Robert Hyde 3Ag
Storrs
Mott, Ervin Leslie, Jr. 1Eg
97 East Eaton St., Bridgeport
Mozelewski, Ralph Edward 1S
108 Main St., Southport
Mullaney, John Thomas 4B
75 Whitmore St., Bridgeport
Mulligan, Edward Coogan 1Eg
130 Hobart St., New Haven
Mullins, John William 1SA
83 Keeler Ave., Bridgeport
Mullins, Shirley Ida 4A
495 Brooks St., Bridgeport
Munson, Eleanor 3A
George’s Hill Rd., Southbury
Murdoch, Margaret Mary 2B
40 Maplewood Ter., Hamden
Murphy, Anatha Rose 4S
12 Steadman St., Hartford
Murphy, John Francis 3A
299 EZhake St., New Haven
Murphy, Joseph E. 1Ph
East St., Liftech
Murray, Mary Gertrude 4H
420 Hawley Ave., Bridgeport
Murray, Robert William 1A
83 Rosemont Ave., Wilton
Muthig, James Vincent 3S
65 Robinson St., Waterbury
Myers, Thomas Joseph 1S
65 Robinson St., Waterbury
Muns, Jane Wilhelmine 2H
Clark St., Milford
Myers, Marcy 3S
137 Winthrop Ave., New Haven
Myers, Rose Anne 1A
Greens Farms Rd., Westport
Myronick, Marie 3A
85 Huntington Ave., New Haven
Nadel, Jerome Eugene 2Eg
91 Clifton St., Waterbury
Nalewak, Helen T. 1Ph
1727 Barnum Ave., Bridgeport
Nann, Edward Frank 1A
12 Second Ave., Hamden
Narotsky, Saul 3S
Pine St., Post Hill, New London
Nashner, Theresa Cornell 4A
120 Dwight St., New London
Nassettta, Anne 1A
154 Thames St., New London
Needle, Robert Avery 1Eg
272 Steele Rd., West Hartford
Neffeld, Marion Janet 3A
619 Prospect St., Maplewood, N. J.
Nelson, Dorothy Ruth 2N
551 Courland Ave., Bridgeport
Nelson, William Lawrence 1S
100 West Thomas St., Norwich
Nemeth, Leonard Irving 1S
17 Pershing St., Norwalk
Nemetz, Samuel Joseph 4S
219 Blue Hills Ave., Hartford
Newman, Richard F. 1Ph
588 State St., Bridgeport
Newman, Robert Bradford 1Eg
93 Harrison St., New Britain
Nichols, John Walter, Jr. 2A
16 McKinley St., Hartford
Nielson, Louise Christine 22 Rose St., Waterbury
Nielson, Raymond Gardner 4Ag
576 Nell St., Wethersfield
Niven, William John, Jr. 4A
2 Cedar Rd., West Mystic
Nixon, Elizabeth Marie 3A
57 Washington Manor, West Haven
Nokes, Richard Maurice 1Eg
55 Grove St., Elwood
Nolan, Robert Kay 4S
305 Broadway, Norwich
Nolichoff, Theodore Abraham 1S
46 Sheldon Ter., New Haven
Norton, Marilyn Grace 4H
129 Chelsea St., Fairfield
Norton, Stata Elaine 4S
R. D. No. 1, Danbury
Novak, Jane Ann 2H
18 Rigelow Ave., Thompsonville
Novotny, Rose Ann 2S
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Nurczyk, Raymond Paul 3B
20 Cabot St., New Britain
Oberg, Burton Thein 2S
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290 Collins St., Hartford
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68 Norton Ave., Bridgeport
O’Brien, Mary Elizabeth 1S
93 Wellmore Ave., Winold
Obsharsky, Paul 3Eg
43 Brook St., Willimantic
O’Connor, Emily Anne 2H
U. S. Coast Guard Academy, New London
Odermann, Charles Robert 3Eg
504 Parker St., Manchester
Oelbaum, Gilbert 2Ag
143 Mohawk Dr., West Hartford

Ogilvie, James Allen 1SA
163 Main St., East Haven

O'Hara, Edward Thomas 2Eg
165 Harborview Ave., Bridgeport

Ohr, Andrew Leslie, Jr. 1Eg
296 North Elm St., Wallingford

Olds, Walter Francis 3S
21 Florence St., Manchester

O'Leary, Patrick Joseph 2Ag
318 West Center St., Manchester

Olie, Conrad Harold 2Eg
17 Main St., Pequabuck

Ollston, Marjorie Frances 2A
68 Parkman St., Brookline, Mass.

Olmsder, Roger Wolcott 4B
1589 Main St., East Hartford

Olsen, Marilyn Jean 1S
60 Welles Dr., Newton

Olson, Norman Magnus 4Eg
155 Edgewood Ave., Torrington

O'Neil, Nathan Dyer 3S
109 Kenyon St., Hartford

O'Neil, Thomas Joseph 1B
81 Rock St., Winsted

O'Neil, James William 1Ag
38-31 Corp Kennedy St., Bayside, N. Y.

Opolinsky, Alvin Irwin 1Eg
48 South St., Bristol

Oregano, Richard Cummings 1SA
Ocean Drive No., Stamford

Orlins, Melvin David 1A
48 Raymond Ter., East Norwalk

Orr, Frank Waugh, Jr. 2A
Appleton Ave., Suffield

Orr, Frederick William 1A
99 Hillert St., Hamden

Orsi, James, Jr. 2Eg
276 Elm St., West Haven

Orsini, Eleanor L. 1Ph
493 Bright St. Ed., Waterbury

Osborn, Douglas Richard 2A
Main St., Poquonock

Ostrom, George Frederick 4Ag
42 Hull St., Ansonia

Owens, Robert Goronwy 2A
663 Campbell Ave., West Haven

Pachuki, Helen Veronica 4S
1100 Whitney Ave., New Haven

Palmer, Frederick Aaron 1A
294 Ridge Rd., Middletown

Palmer, Harold J. 1Ph
Anthony Pl., Greenwich

Palmer, Merrilin Avis 1H
R. D., Storrs

Palmer, Peter Robinson 1SA
460 Edgewood Ave., New Haven

Palmer, Ruth Everlyn 3Ed
R. D. No. 3, Rockville

Panico, Camille 2Ph
70 Beaver St., Hamden

Patisch, Frances 2A
45 Keefer Ave., Bridgeport

Pantelone, John Wisdom, Jr. 1Eg
442 Ferry St., New Haven

Pauletta, Henry A. 1Ph
443 South Ave., Bridgeport

Pappas, Christos, Jr. 2S
52 Ring St., Putnam

Parcells, Donald Irving 3B
East St., New Milford

Parizeau, Eli Joseph, Jr. 3A
Furnace Ave., Stafford Springs

Parker, Clayton Charles 2Eg
5 Redor St., East Hartford

Parker, Emerson MacNeill 1Ag
531 Riverside Ave., Westport

Parker, John Irving 1A
25 Letifield Rd., Rowayton

Parsons, Jean Beverly 1B
370 Rowayton Ave., Rowayton

Parsons, Paul Frederick 1Eg
295 Farming Ave., Unionville

Patric, James Holton 3Ag
R. D. No. 3, Rockville

Patrick, Wayne Sanborn 1B
Seybrook

Patterson, William Darling 1Eg
Prospect Hill, Naugatuck

Paul, George Scott 2B
Stillman Hills, Southington

Pawloski, Theodore William 3Ag
57 Brook St., Norwich

Payne, Barbara Martha 1N
7 South Main St., Jewett City

Payne, Nancy 1A
209 East Center St., Manchester

Peabody, Raymond Avery, Jr. 1Eg
Great Neck Rd., Waterford

Pearl, Gordon Bertram 4A
387 Cornwall St., Hartford

Pearl, Phyllis Dorothy 1A
387 Cornwall St., Hartford

Pearson, Allan Hilding 2Eg
38 Kingston St., West Hartford

Pearson, Helen Patricia 3S
Sharon

Peck, James Baldwin, Jr. 1Eg
Racebrook Rd., Woodbridge

Peck, Merton 3B
117 Dizon St., Bridgeport

Peifer, Cynthia Harriet 1A
R. D. No. 1, Rockville

Peletier, Charles James 3Ag
48 Woodbine St., Waterbury

Penn, Robert Edward 1A
21 Main St., Mosaic

Penny, Alexander Cartwright 1B
19 Stillwell Rd., Wethersfield

Pensiero, Carlo 2Eg
123 Westland St., Hartford

Pepe, Thomas Joseph 1S
9 Third St., Middletown

Perkins, Arthur William 2B
49 Bedford Ave., Milford

Perkins, Barbara Burnham 2S
121 Morningside St., Hartford

Perko, Joseph Edward 4B
310 West Chapman St., Ely, Minn.

Perna, Albert Adam 1Eg
245 North Sound Beach Ave., Riverside

Perricone, Louis 1Ph
86 Cedar St., New Haven

Perrin, Carlton Philip, Jr. 3Eg
110 Sherman Ave., Meriden

Perry, Lawrence Clifford 3S
R. D. to Gilead, Andover

Perry, Matthew Lenoch 1A
353 Ocean Ave., New London

Perschino, Ralph John 1B
9 Westport Ave., Norwalk

Peruzzi, Claire Mary 2S
178 Francis St., New Britain

Petela, Stanley Frank 1S
329 Main St., Branford

Pets, Michael Edward 1Ag
372 Deerfield Rd., Windsor

Petersen, Ruth Josephine 2H
Three Knolls, Falls Village

Peterson, Ruth Elizabeth 1H
170 West St., Westport

Peterson, Thomas Bright 2Eg
290 Hunter St., Bethany

Petrie, Robert Judson 3B
177 Willard St., New Haven

Petrie, Stewart Judson 3S
177 Willard St., New Haven

Petru, George 4Ph
21 Franklin St., Ansonia

Pfingsten, John Arthur 2Ag
Greenfield P., Westport

Pfingsten, Marilyn Margaret 1A
Belchertown P., Belchertown

Phelps, Richard Duane 3Eg
71 Legedewood Rd., West Hartford

Phillips, Michael Theodore 2S
29 Arcadia Ave., Manchester

Phoenix, Charles Henry 2A
22 Winter St., Danielson

Piano, Charles Blaze 1B
7 Rock St., Norwich

Pickett, Anne Seeley 1N
Washington

Pickett, Thomas Andrew 4B
65 Summ Street, Willimantic

Piekarz, Anthony 4Ag
Box 42, North Westchester

Pierce, Howard Paul 2S
897 Nichols Ave., Stratford

Pike, Allen Hardy, Jr. 3A
14 Lincoln Ave., Danbury

Piksky, Andrew Miles Clark 3A
8 Meadow St., Littlefield

Pinciaro, Pasquale J. 1Ph
185 Parrott Ave., Bridgeport

Pingree, Betty Eileen 1A
20 North B St., Taftville

Pinkes, Alexander Herman 2A
1642 Broad St., Hartford

Pinkes, Samuel 1S
1642 Broad St., Hartford

Pinkney, William, III 1Eg
46 Cross Ln., Cos Cob

Pinsky, Albert 4S
56 Summer St., Hartford

Pinto, Frank Anthony 3S
117 Oak St., Bridgeport

Pitts, Leonard Stack 1S
65 Worth St., Bridgeport

Place, Ina 2Ag
R. D. Box 3, Greene, R. I.

Planz, Edward John 2S
1120 State St., New Haven

Platt, Malcolm Rennie 3Eg
R. D. No. 1, Pomfret Center

Platt, Marvin William 1S
124 Bedford St., Hartford

Pleskus, Albert Charles 3Eg
64 Allyvandale Dr., Stratford

Plumpton, Robert Stanley 1Eg
Wormwood Hill, Mansfield Center

Plonowsky, Frank Stanley 1Eg
Columbia
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<th>Name</th>
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<td>Plotkin, Charlotte Tommy</td>
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Sabel, Herbert David 2B 7 Forestville Ave., Plainville
Sadane, George Gordon, Jr. 1Ag 26 Vernon Ave., Rockville
Sadlak, Dorothy Joanna 2A 2 Vernon Ave., Rockville
Safin, Helen Margaret 3Ed 29 Ash St., Willimantic
Salomon, Harold Louis 4A 2115 Mohogan Ave., Bronx, N. Y.
Salva, Edwin Stanley 1Ed Lynch Ter., Thompsonville
Salvo, Andrew Dante 1S 367 High St., East Hartford
Sandall, Robert John, Jr. 1Ed 404 Park St., New Britain
Sandbach, William Franklin 2B 36 Thomson Rd., West Hartford
Sanford, Arthur Roy 2Ed 73 Sherwood Ave., Bridgeport
Sangree, Rita deNacouze 2H 24 Pearl Hill, Milford
Santa Lucia, Frederick 3Ph R. D. No. 4, Wolcott Rd., Waterbury
Santa Lucia, Mary Angela 1S 762 Highland Ave., Waterbury
Sant Angelo, James Fred 1S 60 Hawkins St., Derby
Santor, Rudolph Robert 1S 10 First St., Danbury
Sapienza, Gloria Anne 1A 202 Oak St., Manchester
Sargent, John David 2Ed 68 North Main St., Windsor Locks
Sargis, Lillian 4A 132 Linden St., New Britain
Sarratt, Marjorie Constance 3A Riverside
Saul, Ezra Victor 2A 41 Lenox St., Hartford
Saunders, William Long 1A 344 Elm St., New Britain
Savage, David Woodruff 2Ed Woodbury
Savage, Helen Louise 4H Savage Hill, Berlin
Savino, Frank Vito 1S 284 Divinity St., Bristol
Scapellati, Anthony 2S 35 Curtis St., New Britain
Scarpa, Bartholomew Paul 1S 11 Fremont St., New London
Schaafroth, Edwin Friedman 2B 99 Blake St., New Haven
Schauffler, Eleanor Anne 2S 18 Gordon St., Hamden
Schaffnit, Charles Thomas, Jr. 1Ed 27 William St., West Haven
Scheckner, Evelyn 2A 35-18 157th St., Flushing, N. Y.
Schemerts, Charles Arthur 2A 87 Morris St., New Haven
Schendel, Margery Louise 4S 187 Gardner St., Manchester
Schener, June Marie 4S Oak & Mound Sts., Fair Oaks, Penn.
Scherner, Manfred Carl 1SA Beecher Rd., Woodbridge
Schill, John Lawrence 3B 293 Columbus Ave., New Haven
Schiller, Norma Sandra 1B 482 Pearse St., Fall River, Mass.
Schlank, Ronald 1S 285 Bloom St., West Haven
Schlein, Robert Rouven 1S 14 Sheldon Ter., New Haven
Schlosser, Gordon Rudolph 1SA New Hartford
Schlotterbeck, Louise Mildred 2H 610 Wilmot Ave., Bridgeport
Schmizt, H. Paul 3Ph 172 Field Point Rd., Greenwich
Schmucke, John Edward 1Ed 167 Ash St., Bridgeport
Schnee, Audrey Rhoda 4H 47 Clinton St., Waterbury
Schneider, Mildred 2A School St., South Coventry
Schober, Leroy Everett 1Ed 52 Delmont St., Manchester
Schub, Rosalind 1A 511 Norton Pkwy., New Haven
Schuennemann, Barbara 1H 15 Toby Ave., Windsor
Schulman, Harvey 1S 84 Mansfield St., Hartford
Schultz, Herbert Adolph 3Ed 19 School St., Berlin
Schultz, Theodore Edward 1Ed 19 School St., Berlin
Schultze, Edward Warren 1A 91 Cumberland Ave., Wethersfield
Schuster, Edith 1H 84 Decker Ave., Meriden
Schwanda, Eugenia Blanche 2H 20 Highland Ter., Stafford Springs
Schwartz, Joseph 2Ed 63 Orange St., Hartford
Schwarzchild, Richard 1S 225 Central Park West, New York, N. Y.
Schwentefly, Stanley William, Jr. 4Ed 18 Wacona Ave., Waterbury
Seccue, Raymond Cesare 3Ag Stafford Springs
Seeds, Marjorie Clarice 2N 1 North Fifth Ave., Taftville
Seaward, Edward Thomas 3Ed 268 Capitol Ave., Waterbury
Seeley, Jeanne Quinlan 1A 96 Willow Ave., Stratford
Seems, Eugene George 2S 106 East Pearl St., Torrington
Seipol, Stanley Herkimer 1A 277 Grandview Ter., Hartford
Selzter, Everett Harold 3Ed 18 Eversfield St., Hartford
Seresin, Pauline 4Ph 1968 Boston Ave., Bridgeport
Sertexy, Albert Michael 3Ed 106 James St., New Haven
Service, Ruth Evelyn 4H West Willington
Seidler, Sherwood Arthur 1Ed 109 Lawrence St., New Haven
Sevin, Louise Neville 2S 84 School St., New London
Sexton, Dorothy Leicester 3A 14 Kender Pl., New Haven
Shain, Charlotte Ann 2S 280 Gardon St., Bridgeport
Shain, Harry 1S 42 Ellsworth Ave., New Haven
LIST OF STUDENTS

Shanley, Beulah Mohnkern 4Ag
R. D. No. 2, Thomaston
Shanley, Lloyd Thomas, Jr. 1Ag
Thomaston
Shapiro, Daniel Harry 4Eg
3383 Whitney Ave., Hamden
Shapiro, End 1A
257 French St., Fall River, Mass.
Shapiro, Estelle Mabel 4A
32 High St., Middletown
Shapiro, Isaac 4Eg
557 Zion St., Hartford
Shapiro, Lillian Pauline 1S
New Hartford
Shapiro, Paul 1Ph
160 Mor Jan., Hartford
Sharaf, Valerie Bernice 1A
11 Shorof St., New London
Sharon, Richard Franklin 1Eg
292 Sound Beach Ave., Old Greenwich
Shea, Frank Whitmore 1A
170 Post Rd., Darien
Shea, Kathleen Denise 3A
155 Dover St., New Haven
Sheehan, David John 3Ed
15 Alger Pl., New London
Sheehan, Frances Brown 2S
67 Fair Harbor Pl., New London
Sheftel, Evelyn Edna 2S
57 Brookview Ter., Meriden
Sheitelman, Muriel Evelyn 1S
226 Huntington St., New London
Sheketoff, Harry Mayer 3Eg
57 Deerfield Ave., Hartford
Shepard, Evelyn Clara
Snake Hill, Newington
Shepard, Everett Goff, Jr. 1S
R. D. No. 4, Putnam
Sherman, Raymond Leonard 2Ag
Spring St., North Haven
Sherwood, Charles Curtis 1Eg
Pomperaug Ave., Woodbury
Shively, Joan 2A
57 Beechwood Ave., Bridgeport
Shlien, Irene Beatrice 1A
241 Pine St., Middletown
Shluger, Emmanuel 3A
95 Lone Ln., Hartford
Shuran, Natalie 4S
8 Rufus St., Ansonia
Sicklick, Elliot 4S
21 Vance St., New Britain
Siegel, Bettina Maria 3A
193 North St., Willimantic
Siegel, Richard Weil 2A
R. D. No. 1, Bedford, N. Y.
Siegel, Seena 2A
Box 34, Vernon
Siggelkoe, Robert MacPherson 2B
208 Cour St., West Haven
Sills, Norman Douglas 2B
25 A Hartford Turnpike, North Haven
Silver, Edward N. 1Ph
266 Center St., West Haven
Silver, Philip 1S
424 Orchard St., New Haven
Silver, Saul Harold 1Eg
25 Hartford St., New Haven
Silverberg, Robert Lloyd 1S
6 Goldberg Ave., Norwich
Silverman, Clara Muriel 2H
47 Pearl St., Norwich
Silverman, David 1Ph
135 Scranton St., New Haven
Silverman, Herbert Irving 4B
230 Ellsworth Ave., New Haven
Silverstein, Julius Lester 2S
North Franklin
Simmons, Constance Mary 1S
343 West Lake St., Winsted
Simmons, Faye Lois 3A
1768 Main St., Stratford
Simon, Herbert Leroy 1S
2 Church St., South Norwalk
Simon, Roberta 4A
34 Oneo St., Norwich
Simmons, Ada Frances 2A
203 Plaza Ave., Waterbury
Singer, Thelma Lillian 2A
171 Franklin St., Ansonia
Siteman, Mary Etta 2A
63 Coburn Rd., Manchester
Sisk, Alvin B.
49 Andover St., Hartford
Skilton, Barbara Southmayd 4H
59 Crescent St., Winsted
Skoglund, Ivan Raymond 2Eg
76 Bonnyview Rd., West Hartford
Skolnick, George 1Eg
115 Elm St., New Haven
Skoneczy, Eugene Anthony 3Eg
65 Black Rock Ave., New Britain
Skovgaard, Oscar, Jr. 4B
R. D. No. 1, Stamford
Slater, Dorothea Marie 4S
104 Waccacsett Ave., Hamden
Slater, Schuyler George 3S
104 Waccacsett Ave., Hamden
Slattery, Roberta Helen 2B
East St., Goshen
Slavin, Anita Lenore 2A
85 Coolidge Ave., Stamford
Slavin, Frank Thomas 2B
128 Fifth St., Stamford
Sloane, Alan McKenzie 1A
36 Robbins Dr., Westerfield
Slocomb, Benjamin 3Ph
344 Sherman Ave., New Haven
Smethurst, Clara 1H
859 Frost Rd., Waterbury
Smiley, Edward Forbes, II 2Eg
Windham
Smirnoff, Irving 1Eg
446 Dixwell Ave., New Haven
Smirnoff, Milton 3Ph
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Smith, Barbara Jean 1H
209 East Grand Ave., New Haven
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Smith, Donald Ralph 2B
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Smith, Edith Muriel 4A
128 Patterson Ave., Stratford
Smith, Evelyn 4S
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Smith, Jewel Esther 2A
Granby
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Burrows Hill Rd., Hebron
Smith, Mary Ruth 2B
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Smith, Muriel Eleanor 1A
138 East Center St., Manchester
Smith, Phyllis Anne 1H
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Smyth, Norma Mary 1S
Hazard Ave., Thompsonville
Smit, Mervin 4Ph
19 Darien St., Hartford
Snow, Worthing Porter 1Ag
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Snyder, Charles Ferguson 2Ag
1570 Main St., Stratford
Soest, Hugh G. 1Ag
291 Washington St., Middletown
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43 Broadmoor, Norwich
Sohn, Rosemarie 2S
Clarks Corners, Orange
Sokoloff, Robert Melvin 4S
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Solomon, Donald Jacob 2B
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Solon, Eugene Rosen 1A
116 Kent St., Hartford
Solorow, Russell Stanley 4Eg
164 Alandale Dr., Stratford
Sonnichsen, Andrew 3A
R. D. No. 2, Willimantic
Sonstroem, Herbert Ernest 1Eg
50 Hillside Pl., Bristol
Sorokin, Bernard 2S
24 Ellsworth St., East Hartford
Sosin, William Leo 1Eg
246 Enfield St., Hartford
Spalding, Leland Fanning, Jr. 1Eg
53 Gerard St., Manchester
Spargo, Frank Clarke, Jr. 1Ag
84 Edgemont Rd., Devon
Spears, Howard Alderman 1Ag
North Grand St., West Suffield
Spector, Maxine Salma 1S
24 Darien St., Fairfield
Speirs, Ann Clark 2B
Old Lyme
Speirs, John Jameson, Jr. 1B
Old Lyme
Spelman, Richard Carl 2Eg
Summit Rd., Prospect
Spencer, George Herbert 2S
Prair St., Chester
Spiegel, Bernard H. 1Ph
1285 Boulevard, New Haven
Spinney, Irene May 1B
Storrs
Spiro, Samuel Akiba 1B
14 Judah St., Bristol
Sipavich, Irving Paul 2Eg
554 Elm St., New Haven
Sponberg, Norma Louise 1H
692 Clevelend Ave., Bridgeport
Sprague, Ruth Ella Rose 3S
162 Nicole St., New Haven
Spring, Henrietta Maye 2A
54 Daniel St., East Hartford
Sproviero, Frank Joseph, Jr. 1Eg
16 Calloden Rd., Stamford
Squires, William Campbell 2S
R. D., Chestnut Hill, Lebanon
Srou, Hyman T. 1S
2023 64th St., Brooklyn, N. Y.
Stanard, Doris Cornelia 2A
20 Cottage St., Winsted
Stansfield, Raymond Earl 1S
104 West St., Manchester
Stanton, Elizabeth Kathryn 1S
61 Garden St., New Britain

Stanton, Paul Richard 1Eg
57 Fremont St., Putnam

Starr, Shirley Anne 2A
R. D. No. 3, Rockville

Stasiuk, John 2Eg
79 Woosley St., New Haven

Steens, Helen Jane 2A
Storrs Station, R. D. No. 2, Westerly, R. I.

Stedman, Isabel Jean 1A
49 Greene Ter., East Hartford

Steenhoff, Roy Burke 1S
120 Clifford St., Hamden

Stein, David Selig 2B
645 East 26th St., Brooklyn, N. Y.

Steinberg, Bernard 4Ph
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Sterma, Lola 4H
504 Wolcott Hill Rd., Wethersfield

Stephen, Samuel Richard 2Ag
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830 Dixwell Ave., Hamden

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6 Beechwood Ave., Milford

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45 Wadsworth St., Manchester

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Stewart, Virginia Rene 1H
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383 Jackson St., Willimantic

Stoltz, Edwin Eshea 1S
63 Vine St., Hartford

Stone, Barbara 2H
R. D. No. 1, Uncasville

Stone, Dorothy Esther 3H
16 Abbot Ave., Danbury

Stone, Jeanette Warner 3H
16 Abbott Ave., Danbury

Storm, Robert Warren 1Eg
53 Columbia St., Meriden

Storr, Priscilla Harding 2A
72 Neepaw Ave., West Hartford

Stover, Frederick Stewart 1B
2830 Whitney Ave., Hamden

Stratton, Edwin Joseph David 2B
16 Bank St., Manchester

Striano, Frank 1Ph
320 Congress Ave., New Haven

Strickland, Helen A. 4A
Storrs

Strong, Miriam Seeley 1A
11 Wesley St., Ansonia

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96 Canterbury St., Hartford

Sullivan, Jewell Patricia 2H
127 Lounsberry St., Waterbury

Sullivan, William Joseph 1A
Mt. Carmel Ave., Hamden

Susman, Alvin David 1B
156 Derby Ave., New Haven

Swanson, Margaret Shirley 3H
428 Huntington St., New Haven

Sweet, Raymond Douglas 2Eg
Saybrook

Sweetland, Ralph Gerald 3A
R. D. No. 2, Mystic

Sweeton, Grace Barlow 3S
Granby

Swenston, John Martin 2S
39 Highland Ave., Naugatuck

Swift, Virginia Gaylord 3H
82 North St., Watertown

Sypher, Robert Lynde 2SA
Chester

Szymanski, Joseph M. 1Ph
90 Howard St., Fairfield

Takacs, George Joseph 1B
Ocean Ave., Bridgeport

Talal, Joyce Barbara 4A
182 Horton St., New Haven

Tappert, Isabel Ruth 3H
12 Marlyn Rd., Mt. Carmel

Tappin, Janice Etta 3Ed
90 Fairfield Ave., Waterbury

Tarela, Paul 4Ph
262 West Hazelt St., New Haven

Tarlow, James Jack 1S
111 Ardmore Rd., West Hartford

Tasker, Gordon Wilson 3B
226 South Highland St., West Hartford

Tate, Jean Marjorie 4A
159 East Main St., Torrington

Tawil, Fred E. 1Eg
2056 65th St., Brooklyn, N. Y.

Taylor, Frederick Bradford 1SA
Beach Rd., Norwalk

Taylor, Gordon Stevens 3Ag
Great Plain Rd., Danbury

Taylor, Helen Giffin 1S
251 Thames St., Groton

Taylor, Irving Edward, Jr. 1Ag
King St., Warehouse Point

Taylor, William Alfred 2B
210 High St., Wallingford

Taylor, William Edward 1Eg
160 Water St., Newington

Tedford, John Richard 1SA
48 Academy St., Manchester

Teich, Robert David 3B
37 Golf St., Maple Hill, New Britain

Terani, Leslie Chandler 4A
292 Benom Rd., Grond

Terrell, Gordon Marshall 1S
377 Meen St., West Haven

Thayer, Polly 2B
Rockfall

Themper, Miriam 1S
1319 Chapel St., New Haven

Thomas, Philip John 3Eg
33 Legion Ave., New Haven

Thrall, Warren Edward 3B
Day Hill Rd., Windsor

Thornton, Richard 3S
723 Elm St., New Haven

Tibbits, George Donald 2Eg
90 Everett St., Bristol

Tierney, John Henry 1B
201 Elm St., Fairfield

Tiezzi, Angelo James 1Eg
39 Union St., Meriden

Tims, Robert Zabriskie 1S
1 Beavon Pl., New Rochelle, N. Y.

Tiroletto, Joseph P. 1Ph
554 East St., New Haven

Titus, Pauline Catherine 3H
Warehouse Point

Tiziani, Vasco 4Ag
48 Center St., Stafford Springs

Todd, Edwin Arthur 3B
Prospect Rd., Bethany

Todd, Mary Ann 4Ed
R. D. No. 2, Putnam

Toffolon, John Eugene 4Eg
59 East Main St., Plainville

Torchinsky, Natalie Eudice 2A
304 Vine St., Hartford

Toll, Betty Elmore 1S
17 Eastwood Rd., Torrington

Tortorelli, Joseph P. 1Ph
39 High St., Waterbury

Tourjee, Ruth Shirley 1H
88 Quinunapiac Ave., North Haven

Towle, George Bartram 2Eg
62 Pratt St., East Hartford

Trachten, Morris Nat 1B
187 Scranston St., New Haven

Tracy, Anne Susan 1A
199 Brindfield Rd., Wethersfield

Tracy, Janet Augusta 2A
Hasemeyer Lane, Stamford

Tracy, John Francis 1Eg
178 Pearl St., Middletown

Triggis, Elizabeth George 2S
43 Granite St., New London

Trahan, Joseph A. 1Ph
104 Main St., East Brookfield, Mass.

Trafirig, Richard Gordon 3S
29 Shephana Ln., Waterbury

Triggs, Robert Daniel 2A
133 High St., Thompsonville

Tripp, Marilyn Agnes 1H
171 West Broad St., Pascack

Troxman, Anthoni Peter 2SA
185 Lincoln Ave., Bridgeport

Troyanoski, Walter 2Ag
101 Water St., Bridgeport

True, Mary Elizabeth 1H
20 Cambridge St., Manchester

Trumbull, John Harper 4S
70 Mason St., Torrington

Tryon, Jane Elizabeth 3Ed
459 Broad St., Windsor

Tucker, Robert Paul 2Eg
220 Blue Hills Ave., Hartford

Tufts, Donald Mansfield 4Ag
Washington Ave., North Haven

Tulin, Leon Lionel 1Eg
85 Derby St., Bloomfield

Tulinska, Joseph John 1S
825 Beechwood Ave., Bridgeport

Tuller, Marjorie 2S
West Simsberry

Turkington, Samuel John, Jr. 1S
127 Henry St., Manchester

Turner, Marjorie Jane 1H
116 Floral Way, Stratford

Tuthill, Vivian Bennett 1A
128 Smith St., Fairfield

Tuttle, George Walter 4B
14 Woodland Ave., Bloomfield

Tzamos, Nicholas 1Eg
161 Spruce St., Manchester, N. H.

Ulin, Arnold Arthur 1Eg
278 Clinton Rd., Brookline, Mass.

Umansky, Inez 2S
123 Winthrop Ter., Meriden
### LIST OF STUDENTS

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<tr>
<th>Name</th>
<th>Address</th>
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<td>3B 626 Savin Ave., West Haven</td>
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<td>1S 270 Wodlock Hill Rd., Wethersfield</td>
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<td>Webber, Katherine Wright</td>
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<td>4A 49 Broad St., Wethersfield</td>
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<td>Weik, Shirley Louise</td>
<td>4H 9117 Jamaica Ave., Woodhaven, N. Y.</td>
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<td>Weinberg, Alvin Leonard</td>
<td>2S 293 Cornwall St., Hartford</td>
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<td>Weinberg, Shirley Gloria</td>
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<td>Weintraub, Robert Lewis</td>
<td>1E 277 Blue Hills Ave., Hartford</td>
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<td>Weisman, William Louis</td>
<td>2S 193 Cleveland Ave., Hartford</td>
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<td>Weiss, Jerome</td>
<td>3S 9117 Jamaica Ave., Woodhaven, N. Y.</td>
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<td>3B 945 Main St., Willimantic</td>
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<td>Weissman, Elly</td>
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<tr>
<td>Weissmann, Harry Michael</td>
<td>2S 21 Fifth St., Stamford</td>
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<tr>
<td>Welch, Richard</td>
<td>1A 288 Sergeant St., Hartford</td>
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<td>Wellick, Robert Raymond</td>
<td>2E 217 Charles St., Bridgeport</td>
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<tr>
<td>Wells, Edgar Morgan, Jr.</td>
<td>1B 86 Round Hill Rd., Fairfield</td>
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<td>Welte, Bertha Elizabeth</td>
<td>2H Highfield, Middleport</td>
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<td>Wendrow, Leonard Irving</td>
<td>1E 9 Manhattan Ave., Bridgeport</td>
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<td>Werdelin, Robert Alan</td>
<td>1E 99 Langdon Ct., Kensington</td>
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<td>Werner, Gertrude</td>
<td>3A 793 Capitol Ave., Bridgeport</td>
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<td>Weslocky, Helen Arleen</td>
<td>2A 266 South Main St., Seymour</td>
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<tr>
<td>West, Roy Alvin</td>
<td>4A 118 Woodsfield Village, Stamford</td>
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<tr>
<td>Wetstone, David Major</td>
<td>1S 213 Thompson Shore Rd., Manhasset, N. Y.</td>
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<tr>
<td>Whedon, Anne Jane</td>
<td>1S 2000 North Ave., Madison</td>
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<tr>
<td>Wheeler, Carolyn Ann</td>
<td>3H 633 Main St., East Haven</td>
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<td>Whipple, Helen Elizabeth</td>
<td>3E 17 Bolton St., Hartford</td>
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<td>White, Elaine Doris</td>
<td>2A 293 McKinley Ave., New Haven</td>
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<td>White, Rose Augusta</td>
<td>2A 119 Third St., Hamden</td>
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<td>Whitehouse, Fred Murch</td>
<td>1S 95 George St., Bristol</td>
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<td>Whitehouse, John Beverly</td>
<td>2E 185 Carter Ave., East., Meriden</td>
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<tr>
<td>Whitcomb, Virginia Louise</td>
<td>1H 42 Gerard St., Manchester</td>
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<td>Whittemore, Mary Louise</td>
<td>3B R. D. No. 6, Norwich</td>
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<tr>
<td>Whittemore, Roger Haynes</td>
<td>3E 86 Day St., North Newton</td>
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<td>4A 76 Chase St., Orange, Mass.</td>
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<td>Wies, Walter</td>
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<td>Wilmer, Marianne Dorrit</td>
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<tr>
<td>Name</td>
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<td>Cotnoir, Leo J., Jr.</td>
<td>B.A., Assumption College</td>
<td>49 Van Denmoor St., Putnam</td>
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<td>Craig, Ora Belle</td>
<td>M.A., Middlebury College</td>
<td>100 Maple St., Bristol</td>
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<td>Crockett, Wilbur A.</td>
<td>B.A., University of Maine</td>
<td>225 Connecticut Ave., New London</td>
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<td>M.A., Boston University</td>
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<td>B.S., Danbury State Teachers College</td>
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<td>M.A., Middlebury College</td>
<td>520 Ocean Ave., New London</td>
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<td>70 Pitkin St., East Hartford</td>
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Alexander, Leila Theodosia
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Zauda, Manley Anthony
Ph.B., Providence College
West St., Litchfield

PART-TIME AND UNCLASSIFIED STUDENTS
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<th>College, Year</th>
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<tr>
<td>Yoder, Florence Booker</td>
<td></td>
<td>235 Collins St., Hartford</td>
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<tr>
<td>Yoksa, Esther</td>
<td>A&amp;S</td>
<td>363 Bank St., Waterbury</td>
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<tr>
<td>Young, Wallace Roger</td>
<td>B</td>
<td>160 Norland Ave., Bridgeport</td>
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<td>Zukauskas, Anna Martha</td>
<td>A&amp;S</td>
<td>147 South St., Waterbury</td>
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</table>
**REGISTRATION IN THE UNIVERSITY OF CONNECTICUT, OCTOBER, 1942**

**Undergraduate Students**

The left figures in each group give the number of men; the middle figures, the number of women; and the right figures, the total.

<table>
<thead>
<tr>
<th>Classification</th>
<th>All Classes</th>
<th>Seniors</th>
<th>Juniors</th>
<th>Sophomores</th>
<th>Freshmen</th>
<th>Unclassified and Part Time</th>
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<tbody>
<tr>
<td>Total Undergraduates...</td>
<td>1574 813 2387**</td>
<td>151 89 240</td>
<td>250 135 385</td>
<td>344 205 549</td>
<td>627 267 894</td>
<td>101 117 218</td>
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<td>Schools and Colleges:</td>
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<td>Ratcliffe Hicks...</td>
<td>42 1 43</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>20 0 20</td>
<td>22 1 23</td>
<td>0 0 0</td>
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<td>Agriculture...</td>
<td>112 2 114</td>
<td>21 1 22</td>
<td>25 0 25</td>
<td>23 1 24</td>
<td>40 0 40</td>
<td>3 0 3</td>
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<td>Arts and Sciences</td>
<td>497 521 1018</td>
<td>49 57 106</td>
<td>88 77 165</td>
<td>118 132 250</td>
<td>217 157 368</td>
<td>31 98 129</td>
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<td>Business Administration...</td>
<td>185 50 235</td>
<td>21 0 21</td>
<td>43 11 54</td>
<td>42 12 54</td>
<td>74 22 96</td>
<td>5 5 10</td>
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<td>Education*</td>
<td>103 174 277</td>
<td>4 13 17</td>
<td>6 15 21</td>
<td>40 60 106</td>
<td>53 80 133</td>
<td>0 0 0</td>
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<td>Engineering...</td>
<td>510 2 512</td>
<td>34 0 34</td>
<td>70 0 70</td>
<td>117 0 117</td>
<td>232 1 233</td>
<td>57 1 58</td>
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<td>Home Economics...</td>
<td>0 159 159</td>
<td>0 16 16</td>
<td>0 26 26</td>
<td>0 49 49</td>
<td>0 64 64</td>
<td>0 4 4</td>
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<td>Nursing</td>
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<td>0 0 0</td>
<td>0 2 2</td>
<td>0 6 6</td>
<td>0 14 14</td>
<td>3 9 12</td>
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<td>Pharmacy (New Haven)...</td>
<td>114 19 133</td>
<td>22 2 24</td>
<td>18 4 22</td>
<td>24 5 29</td>
<td>48 8 56</td>
<td>2 0 2</td>
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<td>Law (Hartford)</td>
<td>61 0 61</td>
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<tr>
<td>Insurance (Hartford)</td>
<td>41 0 41</td>
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Number included above taking Extension work

<table>
<thead>
<tr>
<th>Graduate Students</th>
<th>Admitted to Graduate School</th>
<th>Unclassified</th>
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<tr>
<td>Total Graduates...</td>
<td>74 60 134</td>
<td>52 48 100</td>
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<tr>
<td>Campus</td>
<td>18 11 29</td>
<td>7 4 11</td>
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<tr>
<td>Extension</td>
<td>56 49 105</td>
<td>45 44 39</td>
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</tbody>
</table>

**Summer Session, 1942**

| Enrollment in Credit Courses | 277 165 442 |
| (Included in preceding tables) | 181 64 245 |

**Non-Credit Extension Courses**

**Summer:**

- Insurance, Agency Management... 49 0 49
- Insurance, Adv. Life Underwriting... 43 2 45
- E.S.M.W.T. Program... 596 63 659

**Fall Semester:**

- Waterbury courses... 48 58 106
- Real Estate... 43 2 45
- Chartered Life Underwriters... 19 2 21
- E.S.M.W.T. Program... 1163 121 1284
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