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Honolulu, Hawaii, U. S. A.
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- Admission—Degree Requirements—Curricula—Preprofessional Preparation

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- Admission—Degree Requirements—Curricula

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- Admission—Degree Requirements—Curricula—Requirements for the Five-Year Diploma—Laboratory Schools—Vocational Education—Master of Education Degree

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### UNIVERSITY CALENDAR

**1943**

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<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>Sept. 28, Tuesday</td>
<td>Freshman Orientation Period</td>
</tr>
<tr>
<td>Sept. 29, Wednesday</td>
<td>Registration of Sophomores, Juniors, and Seniors</td>
</tr>
<tr>
<td>Sept. 30, Thursday</td>
<td>Registration of Freshmen</td>
</tr>
<tr>
<td>Oct. 1, Friday</td>
<td>Registration of all other students</td>
</tr>
<tr>
<td>Oct. 2, Saturday</td>
<td>Instruction begins</td>
</tr>
<tr>
<td>Oct. 4, Monday</td>
<td>Last day of classes before Christmas recess</td>
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**1944**

<table>
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<tr>
<th>Date</th>
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<tr>
<td>Jan. 3, Monday</td>
<td>Classes resume</td>
</tr>
<tr>
<td>Feb. 1, Tuesday</td>
<td>Last day of formal class instruction, First Semester</td>
</tr>
<tr>
<td>Feb. 3, Thursday through Feb. 8, Tuesday</td>
<td>Final examinations, First Semester</td>
</tr>
<tr>
<td>Feb. 14, Monday</td>
<td>Registration of all students for Second Semester</td>
</tr>
<tr>
<td>Feb. 15, Tuesday</td>
<td>Instruction begins</td>
</tr>
<tr>
<td>May 30, Tuesday</td>
<td>Last day of formal class instruction, Second Semester</td>
</tr>
<tr>
<td>June 1, Thursday through June 6, Tuesday</td>
<td>Final examinations, Second Semester</td>
</tr>
<tr>
<td>June 9, Friday</td>
<td>Thirty-third annual Commencement</td>
</tr>
<tr>
<td>June 12, Monday</td>
<td>Registration for Summer Session</td>
</tr>
<tr>
<td>Sept. 2, Saturday</td>
<td>Summer Session closes</td>
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# BOARD OF REGENTS

As of June 30, 1943

<table>
<thead>
<tr>
<th>Name</th>
<th>Year Service Began</th>
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<tbody>
<tr>
<td>ARTHUR L. ANDREWS</td>
<td>1941</td>
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<td>RUTH E. BLACK</td>
<td>1941</td>
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<tr>
<td>J. RUSSELL CADES</td>
<td>1941</td>
</tr>
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<td>S. N. CASTLE</td>
<td>1941</td>
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<tr>
<td>CARL A. FARDEN</td>
<td>1933</td>
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<tr>
<td>MARY DILLINGHAM FREAR</td>
<td>1920</td>
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<tr>
<td>HERBERT K. KEPPELER</td>
<td>1938</td>
</tr>
<tr>
<td>OREN E. LONG (ex officio, Superintendent, Department of Public Instruction)</td>
<td>1935</td>
</tr>
<tr>
<td>GREGG M. SINCLAIR (ex officio, President of the University)</td>
<td>1943</td>
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## OFFICERS OF THE BOARD

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- **Vice-Chairman**: CARL A. FARDEN
- **Secretary**: RUTH E. BLACK
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STANLEY ORNE, M.A. .................................... Manager, Office of Publications and Publicity

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RALPH S. KUYKENDALL, M.A., Associate Professor of History—B.A., College of the Pacific, 1910; M.A., Univ. of California, 1918.

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THAYNE M. LIVESAY, Ph.D., Professor of Psychology—B.A., Pacific Univ., 1917; M.A., Univ. of Washington, 1921, Ph.D., 1931.


MAYBELLE MCCLEERY, Ed.B., Instructor in Education—Ed.B., Univ. of Hawaii, 1933.
### INSTRUCTIONAL STAFF

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<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Education Details</th>
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<tbody>
<tr>
<td>Albert J. McKinney, M.A.</td>
<td>Assistant Professor of Education</td>
<td>Ed.B., Univ. of Hawaii, 1938; Ed.M., 1940; M.A., Yale Univ., 1942.</td>
</tr>
<tr>
<td>Nora W. Mark, B.S.</td>
<td>Instructor in Home Economics</td>
<td>B.S., Univ. of Hawaii, 1934.</td>
</tr>
<tr>
<td>Carey D. Miller, M.S.</td>
<td>Professor of Foods and Nutrition</td>
<td>B.A., Univ. of California, 1917; M.S., Columbia Univ., 1922.</td>
</tr>
<tr>
<td>Carol Mitchellson, M.S.</td>
<td>Instructor in Home Economics</td>
<td>B.S., Kansas State College, 1938, M.S., 1940.</td>
</tr>
<tr>
<td>Iwao Miyake, M.S.</td>
<td>Assistant Professor of Physics</td>
<td>B.S., Univ. of Hawaii, 1926, M.S., 1929.</td>
</tr>
<tr>
<td>Charles A. Moore, Ph.D.</td>
<td>Associate Professor of Philosophy</td>
<td>B.A., Yale Univ., 1926, Ph.D., 1932.</td>
</tr>
<tr>
<td>Bertha Mueller, Ph.D.</td>
<td>Assistant Professor of German</td>
<td>B.A., Northwestern Univ., 1926; M.A., Univ. of Wisconsin, 1929, Ph.D., 1935.</td>
</tr>
<tr>
<td>Shigeho Okubo, M.S.</td>
<td>Instructor in Engineering and Mathematics</td>
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</tr>
<tr>
<td>Guy C. Omer, Jr.</td>
<td>Instructor in Physics</td>
<td>B.S., Univ. of Kansas, 1936, M.S., 1937.</td>
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<tr>
<td>Stanley Orne, M.A.</td>
<td>Assistant Professor of English</td>
<td>B.A., Univ. of Washington, 1923; M.A., Univ. of Hawaii, 1939.</td>
</tr>
<tr>
<td>Drew B. Pallette, M.A.</td>
<td>Instructor in English</td>
<td>B.A., Univ. of California at Los Angeles, 1933; M.A., Univ. of Southern California, 1934; M.A., Harvard University, 1937.</td>
</tr>
<tr>
<td>Harold S. Palmer, Ph.D.</td>
<td>Professor of Geology</td>
<td>B.A., Yale Univ., 1912, Ph.D., 1923.</td>
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<tr>
<td>Irving O. Pecker, B.A.</td>
<td>Professor of Romance Languages</td>
<td>B.A., Boston Univ., 1912.</td>
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<td>Stanley D. Porteus, D.Sc.</td>
<td>Professor of Clinical Psychology</td>
<td>D.Sc., Univ. of Hawaii, 1933.</td>
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<tr>
<td>Anton Postl, M.S.</td>
<td>Instructor in Chemistry</td>
<td>B.S., Univ. of Hawaii, 1940, M.S., 1942.</td>
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<tr>
<td>Martha E. Reilly, M.S.</td>
<td>Instructor in Home Economics</td>
<td>B.A., Southwestern College, 1929; M.S., Kansas State College, 1937.</td>
</tr>
<tr>
<td>John C. Ripperton, M.S.</td>
<td>Associate Professor of Agronomy</td>
<td>B.A., Fairmont College (now Municipal College of Wichita), 1913; M.S., Kansas State Agricultural College, 1916.</td>
</tr>
<tr>
<td>Shunzo Sakami, Ph.D.</td>
<td>Assistant Professor of History</td>
<td>B.A., Univ. of Hawaii, 1927, M.A., 1928; Ph.D., Columbia Univ., 1939.</td>
</tr>
<tr>
<td>Laura V. Schwartz, Ph.D.</td>
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<td>B.A., College of the Pacific, 1920; M.A., Stanford Univ., 1921, Ph.D., 1924.</td>
</tr>
<tr>
<td>Theodore Seagle, B.S.</td>
<td>Instructor in Physical Education and Director of Athletics</td>
<td>B.S., Univ. of Hawaii, 1926.</td>
</tr>
<tr>
<td>Richard H. P. Sta, M.D.</td>
<td>University Physician and Lecturer in Health Education</td>
<td>B.S., Boone Univ., China, 1914; M.D., Western Reserve Univ., 1918.</td>
</tr>
<tr>
<td>Gregg M. Sinclair, M.A.</td>
<td>Professor of English</td>
<td>B.A., Univ. of Minnesota, 1912; M.A., Columbia Univ., 1919.</td>
</tr>
<tr>
<td>Ethel E. Smith, M.A.</td>
<td>Assistant Professor of Education</td>
<td>B.S., State Teachers College, Cape Girardeau, Missouri, 1926; M.A., Univ. of Chicago, 1931.</td>
</tr>
<tr>
<td>Janet Smith, Ph.D.</td>
<td>Associate Professor of Education and Principal of Teachers College Preschool Unit</td>
<td>B.A., Ohio Wesleyan Univ., 1928; M.A., State Univ. of Iowa, 1940, Ph.D., 1942.</td>
</tr>
<tr>
<td>Madorah E. Smith, Ph.D.</td>
<td>Assistant Professor of Education and Psychology</td>
<td>B.A., Fargo College, 1907; M.A., Univ. of Iowa, 1918, Ph.D., 1925.</td>
</tr>
<tr>
<td>Hallye Spurkel, B.A.</td>
<td>Assistant in Art</td>
<td>B.A., Univ. of Hawaii, 1930.</td>
</tr>
<tr>
<td>William B. Storey, Ph.D.</td>
<td>Assistant Professor of Horticulture</td>
<td>B.S., Univ. of Hawaii, 1935, M.S., 1937; Ph.D., Cornell Univ., 1940.</td>
</tr>
</tbody>
</table>
CARL G. STROVEN, Ph.D., Associate Professor of English—B.A., Stanford Univ., 1926; M.A., 1928; Ph.D., Duke Univ., 1939.

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YOSHINORI TANADA, B.S., Assistant in Zoology—B.S., Univ. of Hawaii, 1940.


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CLARA BLANK, B.S., County Home Demonstration Agent, West Hawaii—B.S., Iowa State College, 1932.

HENRY N. CHIKASUE, B.S., Assistant County Agricultural Agent, West Oahu—B.S., Univ. of Hawaii, 1941.

EDWIN Y. CHUN, B.S., County Agricultural Agent, South Oahu—B.S., Univ. of Hawaii, 1933.

MARSHA L. EDER, B.S., County Home Demonstration Agent, Molokai—B.S., Iowa State College, 1919.

RALPH C. ELLIOTT, B.S., Senior Specialist in Agricultural Economics—B.S., Univ. of Minnesota, 1922.

FLORENCE C. FERNANDEZ, B.S., Assistant County Home Demonstration Agent, Kauai—B.S., Univ. of Hawaii, 1937.

ROY A. GOFF, B.S., Assistant Director of Agricultural Extension—B.S., Lombard College, 1913; B.S., Univ. of Illinois, 1915.

YASUO BARON GOTO, B.S., Specialist in Agricultural Club Work—B.S., Univ. of Hawaii, 1924.

ALICE B. HANCOCK, B.S., County Home Demonstration Agent, North Hawaii—B.S., Univ. of Iowa, 1927.
FACULTY AND STAFF

ELSIE H. HARA, B.S., Assistant County Home Demonstration Agent, East Hawaii—B.S., Univ. of Hawaii, 1934.

HARUO HONMA, B.S., Assistant Specialist in Economics—B.S., Univ. of Hawaii, 1940.

JOHN IWANE, B.S., Assistant County Agricultural Agent, West Hawaii—B.S., Univ. of Hawaii, 1940.

KIKUE KIYABU, B.S., Assistant County Agricultural Agent, Maui—B.S., Univ. of Hawaii, 1940.

BUNKI KUMABE, B.S., Assistant County Agricultural Agent, Maui—B.S., Univ. of Hawaii, 1941.

CLARENCE LYMANN, M.S., Acting County Agricultural Agent, West Hawaii—B.S., Univ. of Hawaii, 1938, M.S., 1941.

RICHARD LYMANN, JR., B.S., Extension Farm Forester, and County Agricultural Agent, Molokai—B.S., Univ. of Hawaii, 1925.

KEICH MIIAYA, B.A., Assistant County Agent, North Hawaii—B.A., Univ. of Hawaii, 1935.

DOROTHY M. MOUNTS, B.A., County Home Demonstration Agent, Maui—B.A., Univ. of California, 1928.

FRANK T. MURPHY, B.S., County Agricultural Agent, Maui—B.S., Oregon State College, 1917.

YUKIO NAKAGAWA, B.S., Assistant County Agricultural Agent, South Oahu—B.S., Univ. of Hawaii, 1940.

SYLVIA C. NEWEL, B.S., County Home Demonstration Agent, East Hawaii—B.S., Iowa State College, 1924.

MOTO M. OKAWA, B.S., Assistant County Home Demonstration Agent, Maui—B.S., Univ. of Hawaii, 1932.

H. RALPH OKUMOTO, B.S., Assistant County Agricultural Agent, West Oahu—B.S., Univ. of Hawaii, 1939.

FUYUKI OKUMURA, B.A., County Agricultural Agent, West Oahu—B.A., Yale Univ., 1923.

ROBERT M. OTA, Assistant County Agricultural Agent, Kauai.

LILLIAN RAYNARD, B.S., County Home Demonstration Agent, South Oahu—B.S., Hastings College, 1931.

MERRILL K. RILEY, M.S., County Agricultural Agent, East Oahu—B.S., Colorado College, 1927; M.S., South Dakota State College, 1929.


KATHRYN SHELLHORN, M.A., Assistant Director in Home Economics and Specialist in Foods and Nutrition—B.S., Univ. of Nebraska, 1920; M.A., Columbia Univ., 1926.

RICHARD SUMIDA, B.S., Assistant County Agricultural Agent, South Oahu—B.S., Univ. of Hawaii, 1936.


SHOKYO TACHIKAWA, B.S., Assistant County Agricultural Agent, East Oahu—B.S., Univ. of Hawaii, 1938.

FRANCIS TAKAIASII, Acting County Agricultural Agent, Kauai.

FRANCIS TAKISHITA, Assistant County Agricultural Agent, Maui.

ALICE P. TRIMBLE, B.S., Specialist in Home Management—B.S., Utah State College, 1924.

LILLIAN TUBB, B.S., County Home Demonstration Agent, West Oahu—B.S., Montana State College, 1931.

HARVEY M. VOLLRATH, B.S., County Agricultural Agent, East Hawaii—B.S., Colorado College of Agriculture, 1929.

HOWRY H. WARNER, B.S., Director—B.A., Pomona College, 1912; B.S., Univ. of California, 1913.

WINIFRED H. WATANABE, B.S., Assistant County Home Demonstration Agent, Kauai—B.S., Univ. of Hawaii, 1943.

HARVEY F. WILLEY, Assistant County Agricultural Agent, Maui.

WINSLOW WILLIAMS, A.B., Assistant Economist—A.B., Univ. of California, Los Angeles Branch, 1935.

WARREN Y. J. YEE, B.S., Assistant County Agricultural Agent, Maui—B.S., Univ. of Hawaii, 1942.
The University in Wartime

The University of Hawaii was probably the first American institution of higher learning to be directly affected by the war. It was closed for two months immediately following December 7, 1941. When the reopening date arrived, it was found that more than 50 percent of the student body and faculty had entered war work or military service. The year 1942-43 saw a slight increase, but the totals are still far below prewar days.

The general program has been modified to meet changed conditions. Course offerings have been adapted to war conditions wherever possible. The work of the Agricultural Experiment Station and the Agricultural Extension Service is now mainly directed toward improving food production for military and civilian needs.

The University is cooperating in every possible way with the military services in making faculty personnel and buildings available for their needs. The Physics Department, with all of its facilities, is being utilized by the Army Radio Technicians School—a branch of the Army District Signal Office. Up to early summer of 1943, some 230 men had been trained by this school and sent back to active duty. Farrington Hall, a small auditorium, has been turned over to the Entertainment Section, Special Services Division, under Captain Maurice Evans, noted Shakespearean actor, for the training of men who are to produce shows in the field. From 80 to 100 soldiers are in constant attendance at this center. The entire personnel of both of these schools live on the campus and eat at the University cafeteria. Considerable office space has been allotted to the Hawaiian Branch, United States Armed Forces Institute, and instructors have been provided for the correspondence courses which it offers to men of the services. In addition, some 200 service men and war workers are enrolled each semester in regular University courses.

The present catalogue pictures the University of Hawaii as a wartime institution subject to further adjustment as the emergency may dictate, but subject likewise to expansion when the war is over. Course offerings and faculty personnel have necessarily been reduced, but the standards of the institution and the needs of the students have been zealously protected.

DESCRIPTION

The University of Hawaii lies at the mouth of Manoa Valley in Honolulu, on the island of Oahu. It is three miles from the business center of Honolulu and two miles from Waikiki Beach. Ten other tracts of land on the islands of Oahu, Maui, and Hawaii bring the University's land holdings to 400 acres.

Established by act of the legislature of the Territory of Hawaii in 1907, the University bears the same relation to the Territory as the state universities to their states. Support of the University comes from appropriations of the territorial legislature and of the United States Congress, and from miscellaneous funds that include gifts and student fees. Although the University of Hawaii never received a grant of land such as that provided for the similar colleges of the states under the original Morrill Act of 1862, it is a federal land-grant college and shares in benefits from the Second Morrill Act of 1890, the Nelson Amendment of 1907, and subsequent legislation.
GENERAL INFORMATION

History. The institution was known as the College of Agriculture and Mechanic Arts from 1907 to 1911, and the College of Hawaii from 1911 to 1920. Instruction began in 1908 with two instructors and five students in a temporary location on the grounds now occupied by the Lincoln School in Honolulu. After a few years the institution was moved to its present site. When the College of Arts and Sciences was added in 1920, the name was changed to the University of Hawaii.

In 1931 the territorial legislature united the Territorial Normal and Training School with the University School of Education to form Teachers College of the University and placed the property of the Normal School under the control of the Board of Regents of the University.

Open to All. Instruction is available to all persons who are qualified, regardless of sex, racial ancestry, or nationality.

Fully Accredited. The University is fully accredited by the Association of American Universities. Its students may transfer to other American and to European and oriental universities on the same basis as students of other American universities.

Control of the University. Government of the University resides in a Board of Regents appointed by the Governor of the Territory for individual terms of four years. The charter and bylaws of the Board of Regents are published in a pamphlet available upon request.

Divisions of the Academic Year. The University divides its academic year into two semesters of eighteen weeks each and a summer session of six weeks. The semester beginning in the autumn is known as the First Semester, and that beginning in the winter is known as the Second Semester. As a war emergency measure, the Summer Session has been increased to twelve weeks to enable students to accelerate their work in degree programs.

University Colors. The University of Hawaii colors are green and white.

Communications to the University. Letters of general inquiry from prospective students should be addressed to the Registrar.

The mailing address of the University is P. O. Box 18, Honolulu 10, Territory of Hawaii.

ORGANIZATION

Beginning July 1, 1943, the University will operate under a new plan of organization, unanimously endorsed by the University Senate and adopted by the Board of Regents on February 23, 1943. This plan continues the College of Arts and Sciences, the College of Applied Science, Teachers College, the Agricultural Experiment Station, the Agricultural Extension Service, the Psychological Clinic, and the Library as separate entities, and in addition provides for a Graduate Division and (at some time in the future) for an Office of Student Personnel to coordinate the work of admissions, counselling, and registration.

Under the present plan departments are units of the University as a whole rather than of colleges and are responsible to the Dean of Faculties on matters of finance and personnel. Coordination of the departments with the colleges in instructional matters is obtained through a Council of Deans, of which the Dean of Faculties is chairman. The Summer Session and the Adult Education program are under the supervision of the Dean of Faculties and the Council of Deans.

The University Senate, composed of all faculty members of the rank of Professor and Associate Professor and others designated by the Board of Regents, acts as an advisory body to the President on matters of instruction and related problems.
In addition to its instructional program, the University offers several other forms of public service.

**The Psychological and Psychopathic Clinic** is a territorial agency under the management of the University. The Clinic was established by act of the Legislature in 1921, with the dual purpose of psychological investigation and of individual clinical examinations. The Act gives wide scope to the work of the Clinic, making its service in examination available to every institution and to all social and educational agencies in the Territory. Through a traveling psychologist this work has been extended to the other islands. Research work carried on by the Clinic relates in large part to racial differences, a question of international significance. In its special field, lecture courses are offered by certain members of the Clinic staff.

**The Pineapple Producers Cooperative Association** is affiliated with the University in the work of its experiment station which is called the Pineapple Research Institute of Hawaii. The expense of the station is borne by the Association. The field work is carried on largely at Wahiawa in the heart of the pineapple country, while the laboratory and technical investigations are conducted at the University in buildings erected by the Association.

**Seismological Observatory.** The United States Coast and Geodetic Survey operates a seismological observatory in Gartley Hall, under an agreement with the University whereby the results and observations are placed at the service of the Territory.

**The Volcano Laboratory** on the island of Hawaii, conducted in cooperation with the National Park Service and the Hawaiian Volcano Research Association, offers research possibilities to both graduate students and investigators who wish to pursue their own studies in subjects pertaining to volcanology.

**The Aquarium** at Waikiki Beach is operated by the University as a place of education and entertainment for the benefit of local residents and visitors.

To add to the research facilities which it offers students and to expand its services to the Territory, the University has made cooperative agreements with several other institutions.

**Bernice Pauahi Bishop Museum.** The University and the Bishop Museum reciprocate in the use of libraries, laboratories, collections, and other facilities of research. Graduate students registered in the University are allowed to carry on investigations under the guidance of members of the Museum staff for credit toward advanced degrees from the University. Advanced students may use the Museum facilities when working under proper direction, subject to such regulations as may be deemed expedient by the director of the Museum.

**Institute of Pacific Relations.** The research library accumulated by the Honolulu Branch of the Institute of Pacific Relations, affording excellent facilities for the study of international affairs, constitutes a part of the University Library.

**Honolulu Academy of Arts.** This institution, built and endowed by Mrs. Charles M. Cooke, has made its fine collections of art objects available to the students and instructors of the University.

**Hawaiian Sugar Planters' Association.** The facilities of this Association's experiment station are available to the University for instructional purposes. Students in
GENERAL INFORMATION

Sugar Technology spend a semester at this station as a part of their program of study. Several members of the station staff take part in the instructional work of the University.

Fruit Fly Laboratory. The United States Bureau of Entomology maintains on the University campus a research laboratory and a corps of investigators for the study of fruit fly pests in Hawaii.

Queen's Hospital. The Queen's Hospital and the University cooperate in conducting a training course for nurses. Part of the courses of instruction are offered at the University and others at the Hospital.

CAMPUS AND BUILDINGS

The principal buildings on the campus are Hawaii Hall, Gartley Hall, Dean Hall, the Library, the Social Science Building, Teachers College and its laboratory centers (the Elementary School and Castle Memorial Hall), Farrington Hall, the Engineering Quadrangle, Gilmore Hall, the Home Economics Building, the Gymnasium, and Hemenway Hall. All of these except the Gymnasium, the Elementary School, and Castle Memorial Hall are built of reinforced concrete.

Hawaii Hall is the administration building. The biological sciences are housed chiefly in Dean Hall. The physical sciences are centered in Gartley Hall. Farrington Hall, an auditorium with a backstage extension, is well equipped for work in dramatics. The engineering laboratories and classrooms are in the four buildings composing the Engineering Quadrangle. An outdoor theater, whose backdrop consists in a tropical garden and the Koolau mountain range, is the setting for Commencement and other University programs.

The Library, which contains 150,647 volumes and 353,433 pamphlets, is a depository for government publications. Extensive collections of Chinese and Japanese works and a growing collection of valuable books and periodicals about Hawaii are among its features. Its files include local and mainland newspapers, and literary, technical, and scientific periodicals. These materials are available to all persons complying with library regulations.

Hemenway Hall is a general social center for students and faculty, and furnishes quarters for both student and alumni organizations. In it a bookstore and a cafeteria are maintained.

Residence accommodations on or near the campus include the Charles H. Atherton House for men and Hale Laulima for women students. Meals are served at the cafeteria in Hemenway Hall.

A swimming pool, tennis courts, locker buildings, and a cinder track are grouped near Wise Field, which is used for football and baseball practice and military drill. Cooke Field affords facilities for track sports.

The Honolulu Stadium, with a seating capacity of 22,000 and equipped for football, baseball, and other outdoor sports, is regarded as an integral part of the University's plant resources for physical education and athletics. It is leased from the Honolulu Stadium Corporation, in which the University holds a controlling interest.

Other buildings connected with the University include the R.O.T.C. Building, Hawaii Hall Annex (which houses the Psychological Clinic and the offices of the English Department), the Nutrition Laboratory, the Entomology Building, the Marine Biological Laboratory at Waikiki Beach, and the Astronomical Observatory in Kaimuki. A part of the campus is occupied by an experimental farm, which is devoted to solving
problems of Hawaii's dairymen, poultrymen, and livestock raisers and which provides instructional facilities for students of agriculture.

The herbaria of the University and of the Bishop Museum, which are combined under the custodianship of the Museum, contain the most nearly complete collection of Hawaiian plants in existence, and include some species now extinct. The most valuable parts are the cotypes of Dr. W. Hillebrand's species and the types of many new species collected by later botanists.

General Regulations

CLASSIFICATION OF STUDENTS

Students in the University, other than those taking extension and correspondence courses, are broadly classified in the following groups: undergraduate, graduate, and noncredit.

The undergraduate students, comprising about three fourths of the student body, are of two kinds: regular students and unclassified students.

Regular students are those who are pursuing organized programs of study and who comply with the established regulations which lead, usually after four years of work, to the bachelor's degree. Regular students ordinarily carry full-time programs (10 semester hours or more). Freshmen and Sophomores are lower-division students; Juniors and Seniors, upper-division students.

Unclassified students are those who, although registered for credit, are not enrolled as candidates for degrees. They usually carry only part-time programs (fewer than 10 semester hours).

Graduate students (graduates of this University or of other institutions of approved standing) are subdivided into four groups: candidates for advanced degrees, candidates for five-year diplomas, candidates for certificates in social case work, and noncandidates.

Advanced degree candidates are those who pass qualifying examinations and pursue programs of study leading to advanced degrees.

Five-year diploma candidates are persons taking postgraduate work in Teachers College.

Candidates for certificates in social case work are persons taking postgraduate work in the School of Social Work.

Most of the other graduate students—candidates for neither degrees nor diplomas—are teachers seeking professional improvement by taking graduate courses. Some of them are following a program leading to the Professional Certificate awarded by the Department of Public Instruction.

Noncredit students include:

Special students, who are persons qualified to participate in class work but who, though registered in regular University credit courses, receive no credit.

Auditors, who are permitted to attend certain credit courses as listeners, but who take no part in the class work and receive no credit.

ADMISSION

Candidates for admission must present satisfactory evidence of ability to do university work.
Persons who desire to become regular, unclassified, or special students and who have not previously earned credits in an institution of higher learning must apply to the Office of Admissions. A high school senior who plans to enter the University within a year should file his application during the final semester of his high school course. In any case, application should be filed at least one month before the opening of the semester in which enrollment is desired. Requests for application forms and questions about admission should be addressed to the Office of Admissions.

The application procedure for persons who have credits from other institutions of higher learning is described hereafter under Admissions to Advanced Standing.

Admission of Regular Students Entering the University for the First Time. Admission to first-year standing in the University depends on a number of factors, including performance on college aptitude tests, quality of high school work, and various ratings by the preparatory school. A high rating in one factor alone will not insure admission; nor will poor performance on one measure alone exclude an applicant if other evidence indicates he might be successful. Ordinarily a student should average B or better in his high school work, although an applicant with a C average who scores above average on the college aptitude test may be admitted. The quality of work done during the last two years in secondary school receives special consideration.

College aptitude and English tests are given by the University in high schools of the Territory each spring. Students seeking admission in the autumn who have not had such examinations take them during the Freshman Orientation Period (see University Calendar). Other examinations given during the Freshman Orientation Period include the modern language placement tests for students intending to enter advanced courses in Hawaiian, Chinese, Japanese, French, German or Spanish, and the mathematics placement test for students intending to register for courses in mathematics.

Every applicant for admission as a regular student who has not previously earned credits in an institution of higher learning must take college aptitude and English examinations and must submit evidence that he has satisfactorily completed at least 15 units of work in a four-year high school or at least 12 units of work in a three-year senior high school.

The word unit as employed here signifies the satisfactory completion of a course of study pursued for a full school year, with five recitations a week of not less than 45 minutes each, or the equivalent laboratory or shop exercises. For an acceptable distribution of the units required from entering students, see table on page 19.

Admission by Examination. Candidates who cannot or do not care to satisfy the foregoing admission requirements may take examinations offered by the College Entrance Examination Board (431 West 117th Street, New York City) and submit statements from the Board covering certain subjects, or take the comprehensive examinations offered by the Board and submit a certificate covering these examinations along with a complete record of work done in preparatory school.

Applicants whom the dean of the college concerned regards as of more than average ability may take entrance examinations offered by the University covering preparatory school subjects.

Special Requirements for Certain Programs. In addition to satisfying the requirements of the University as a whole, candidates for admission to certain programs of university work must meet special requirements. Each applicant should study the conditions set by the college he intends to enter and of the program he intends to pursue in that college. Special attention is directed to the following requirements.
### Minimum Unit Requirements for Admission

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<tr>
<th>FROM A 4-YEAR HIGH SCHOOL</th>
<th>SUBJECT</th>
<th>FROM A 3-YEAR HIGH SCHOOL</th>
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<tr>
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<td>ENGLISH</td>
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<td>ALGEBRA</td>
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<td>(not required if the student had ninth-year general mathematics in intermediate, i.e., junior high school)</td>
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| ENGLISH (in addition to the 3-unit minimum requirement in English) |
| SCIENCES—physical, biological, and social |
| MATHEMATICS (in addition to the 1-unit minimum requirement in mathematics) |
| FOREIGN LANGUAGES (Entrance credit in foreign language is not granted unless the total number of foreign language units offered includes at least 2 units in some one language.) |

| Any other subjects credited by the high school toward its diploma (no less than \( \frac{1}{2} \) nor more than 2 units in any one subject) provided that these subjects have been pursued in accordance with regular classroom procedure involving a reasonable amount of preparation in addition to the time spent in class. |

| TOTAL | 12 |

Students desiring to study mathematics in the University or to take subjects for which college mathematics is a prerequisite should have had high school algebra through quadratics and plane geometry. This applies particularly to prospective students of Agriculture, Sugar Technology, and premedical work, all of whom must take college mathematics in preparation for physics.

Prospective engineering students must have high school algebra through quadratics, plane geometry, and trigonometry if they wish to complete the university program in four years. It is strongly recommended that they also have solid geometry, mechanical drawing, and physics.

Prospective students of medicine should have had high school algebra through quadratics, plane geometry, two years of a foreign language, two years of history, and three years of science.

Every student entering as a Freshman is expected to be on the campus during the Freshman Orientation Period, the dates of which are stated in the *University Calendar*. Entrance examinations, consultations with officers and instructors, and introductory lectures occupy the period.
Admission to Advanced Standing. Students who transfer with sufficient credits from other accredited universities or colleges may be granted advanced standing. These students must present to the registrar an official statement of the studies offered for admission at such institutions, of the studies pursued in college and the grade received in each, and of honorable dismissal. These transcripts become a permanent part of the University files. Credit toward graduation is given only in subjects in which grades of C or better are recorded. Candidates transferring with advanced standing are required to do a minimum of one year's work (30 semester hours) at the University of Hawaii if they wish to receive a Bachelor's degree here.

Admission of Unclassified Students. Mature persons, ordinarily at least 21 years of age, who present satisfactory evidence of their ability to do college work, may register as unclassified students and take a limited program. Persons less than 21 years of age may be admitted as unclassified students if they are able to meet fully the entrance requirements for regular freshman standing but desire to carry only a few courses.

Persons of some maturity who have had experience that manifestly prepares them for college work may be given entrance credit for such work. For what forms of work credit may be given and how many credits may be granted cannot be stated in advance; each case is considered individually.

Admission as an unclassified student is in no case permitted to serve as a means of avoiding compliance with the requirements laid down for regular students.

Admission of Special Students. Qualified persons interested in certain courses without desire for credit may be admitted as special students. They attend classes and take part in the courses for which they are registered, but receive no credit. Applicants refused admission as regular or unclassified students are not permitted to enter under this classification.

Admission of Auditors. Persons desiring the privilege of attending classes as auditors will obtain the written consent of the dean of the college and present it to the registrar at the time of registration.

Admission of Graduate Students. Graduates of accredited colleges and universities who wish to pursue graduate study in the University of Hawaii should apply to the Chairman of the Committee on Graduate Study. Each application should be accompanied by an official transcript of undergraduate record and of any graduate work completed at another institution. Admission to graduate study is provisional until such records are on file. These transcripts become a permanent part of the University files.

REGISTRATION, WITHDRAWAL, AND OTHER CHANGES

Dates upon which students register for courses in the University are stated in the University Calendar. Students entering in the autumn receive a circular telling them how to proceed in registering. Courses offered in the University are described in this catalogue under Courses of Instruction, and a schedule stating the time and place of meeting of each course is issued by the Registrar in September for the First Semester, in January for the Second Semester, and in May for the Summer Session.

Registration of Undergraduate Students. Before they register, undergraduates must make a choice from among the three colleges of the University and a selection from among the programs offered in the college chosen. Each undergraduate is assigned at registration time to a faculty member who acts as his adviser in selecting courses. Credit is given only for courses regularly entered upon the registration card.

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Registration of Graduate Students. All graduate students follow the same procedure in registration as do undergraduates.

Arrangement of Credits in Advance. The number of credits obtainable in most courses is announced in the catalogue and in the time schedule. However, certain courses in which students carry on individual work are marked credit by arrangement or the number of credits is listed as var (variable). Such statements do not signify that the credits are to be determined at the end of the semester. The student registers for a definite number of credits and may earn no more than that number.

Late Registration. The University permits registration after the announced registration days in any semester only in exceptional cases and for valid reasons. The following rules govern such registration.

All students completing their initial registration for any semester after the announced registration days must pay a special fee (see Tuition and Fees).

Registration in the University (other than registration of auditors) is not permitted later than six calendar days following the first day of class work in any semester unless the student obtains the consent of the dean of the college in which he desires to register. Such consent is given only for good and sufficient reasons.

A student already registered who wants to enter courses in which he did not originally register may do so within the period ending the sixth calendar day following the first day of class work in any semester. This is done by obtaining a form for such change from the dean of the college in which he is registered, by having that form properly filled out and signed, by taking it to the cashier for recording and adjustment of fees, and by depositing it in the Registrar's office as authorization for the desired change.

Withdrawal from Courses or from the University. Withdrawal is the voluntary severance by a student of his connection with a course or with the University. In order to be officially recognized, the withdrawal of an undergraduate from a course must have the written consent of the dean in whose college the student has registered. This consent must be on a form procured by the student from the dean and returned to the Registrar bearing the dean's signature. Withdrawals from the University must be applied for on a form to be obtained from the Registrar's office; signatures as indicated on the form must be obtained, and the completed application must be returned to the Registrar's office.

During the first six weeks of a semester a formal withdrawal is marked $W$ on the student's record by the Registrar. A withdrawal at a later date but prior to the last two weeks of a semester is marked $W$ if the work of the student while he was registered in the course was passable; otherwise it is marked $F$ (for failure). Withdrawal from a course during the last two weeks of a semester is not permitted. A student who drops a course without the formality of withdrawing receives an $F$ in the course.

Other Changes of Students' Programs of Study. A student may not formally transfer from one of the University's colleges to another during the academic year. Such changes should be applied for in May. Application for transfer should be made on a form obtainable at the Registrar's office. The application must be approved by the deans of the two colleges concerned, and should be returned to the Registrar's office by the end of the college year.

CREDITS, GRADES, GRADE POINTS, HONORS

The University recognizes work accomplished by students in terms of credits, grades, grade points, and honors.
A credit (also called a semester hour and a credit hour) is given to the student for work satisfactorily accomplished during three hours a week spent in the preparation and recitation of assignments in a course, or in the field or laboratory. The normal division of this time in nonlaboratory courses is one hour in the classroom and two hours in preparatory work, but the division of this time is usually left to the instructor in charge.

Grades given in undergraduate courses are A, B, C, D, E, F, and I. The lowest passing grade is D. A grade of E is a conditional failure and a grade of I is incomplete. An E or an I may be removed, but students are expected to take the initiative by conferring with the instructor or instructors concerned. An E may be removed by passing a special examination or performing special work prescribed by the instructor, provided this is done in the semester following that for which the condition was given. However, no grade points (defined herein) are given for a course in which a condition was recorded. An I is given to a student who has failed to complete a small but important part of a semester's work before the semester grades are determined, if the instructor believes that failure was caused by conditions beyond the student's control and not by carelessness or procrastination. To receive credit for a course for which an I has been reported, the student must make up the incomplete work before the Thanksgiving or Easter recess of the semester following that for which the grade was given. If the work is not thus completed, the I will stand and the student will not receive either credits or grade points in that course. If the work is completed, the instructor will report a semester grade, taking the completed work into consideration. Credits and grade points will then be computed as if a grade of I had not been previously recorded. Credit in a course for which an F is given may be obtained only by repeating the course and passing it.

Grades given in graduate courses are II (for honors), S (satisfactory), and U (unsatisfactory). The honors grade is awarded for exceptionally good work. Graduate students in undergraduate courses are graded on the undergraduate scale, A to F.

Grade points are computed for all courses in which grades are reported including Military Science and Health and Physical Education. They are computed as follows: for each credit received in a course 4 grade points are granted if the grade is A, 3 if the grade is B, 2 if the grade is C, and 1 if the grade is D.

Students entering as undergraduates with advanced standing are not given grade points upon work done elsewhere; but on work done in the University of Hawaii such students must gain grade points in the same proportion to credit hours required for graduation as that demanded of other students.

Honors may be granted at graduation to undergraduates who have a grade-point average of 3.4 or above for their undergraduate work. At least 60 semester hours of the work of such honors students must have been obtained at the University during a period not exceeding 6 years before graduation.

Transfers to Other Institutions. Accredited American institutions of higher learning, including the University of Hawaii, give transfer students credit toward graduation only in subjects in which the grade received was C or better. (See Tuition and Fees for further note on transfer.)

Requirements for Advancement Toward Graduation

Scholastic accomplishment in the University of Hawaii is judged by comparing the number of grade points and credits earned with the registered credits, that is, with the
number of credit hours for which a student is registered six weeks after the beginning of a semester.

Further registration is denied to the following classes of students:

(1) those who have failed to pass in any semester (or who, when withdrawing from the University during a semester, are not passing) in 50 per cent of their registered credits;

(2) those who have failed to earn, after two semesters' attendance, 1.5 times as many grade points as the total of their registered credits;

(3) those who have failed to earn, after four semesters' attendance, 1.8 times as many grade points as the total of their registered credits.

At the direction of the faculty Committee on Scholastic Standing, students may be warned in case they fail to pass in any semester in 75 per cent of their registered credits or to maintain a record showing twice as many grade points as total registered credits, and furthermore, may be placed on the grade-point rule, or denied further registration. The grade-point rule is a requirement that a student earn over a stated period of time twice as many grade points as credits for which he is registered. Failure to comply with the grade-point rule may result in refusal to permit further registration.

Ordinarily failure in the first semester of a year course bars the student from registering for the second semester of that course.

Warnings of low scholarship are given by instructors and deans, usually at the end of the first and second six-weeks periods of each semester, but the student should not assume that his work is of passing grade merely because he has not been warned. The University assumes no responsibility if a warning that has been mailed to a student fails to reach him.

Unless satisfactory arrangements have been made with the instructor in advance of the time of a final examination, absence from an examination subjects the student to a grade of zero in the examination, and this grade is taken into consideration in computing the semester grade of the student. When a term paper takes the place of a final examination, it must be submitted at the time stipulated by the instructor; otherwise the grade for the paper is regarded as zero and is so considered in computing the semester grade.

No student with entrance conditions may be registered as a Sophomore, none with conditions in required freshman subjects as a Junior, and none with conditions in required sophomore subjects as a Senior.

Permission to enter the junior year as a candidate for a Bachelor's degree is dependent not only upon academic standing but also upon proficiency in oral and written English.

Regular attendance at class and laboratory sessions is expected. Unavoidable absence should be explained to the instructors concerned.

INDEPENDENT STUDY

Superior students may study independently under faculty supervision. The type of each student's study is, in general, arranged by the department with the instructor or instructors and the student. Further information may be obtained from deans of the colleges and from members of the faculty Committee on Independent Study and Honors. All University departments have expanded their offerings of this nature, especially to meet the needs of military personnel.
GENERAL INFORMATION

UNDERGRADUATE DEGREE REQUIREMENTS

Credit and Grade-Point Requirements. The minimum credit requirements for the Baccalaureate (Bachelor) degree are as follows: College of Arts and Sciences, 128; College of Applied Science, 130; Teachers College, 130.

A minimum of 264 grade points is required for graduation from any of the three colleges. To receive a degree, after failure to graduate because of lack of grade points, a student must earn a certain number of grade points in courses approved by the dean of the college in which the student is registered. The number required is a minimum of 30 grade points in some one semester, or a minimum of 14 grade points in a six-weeks summer session, or a minimum of 28 grade points in a twelve-weeks summer session.

Kinds of Baccalaureate Degrees. Upon satisfactory completion of a regular program in the College of Applied Science, a candidate is granted the degree of Bachelor of Science (B.S.), the diploma designating the particular program that has been pursued.

The degree of Bachelor of Arts (B.A.) is granted upon the satisfactory completion of a regular program in the College of Arts and Sciences.

Satisfactory completion of a regular program in Teachers College leads to the award of the degree of Bachelor of Education (Ed.B.). Holders of Bachelor degrees who complete the Teachers College five-year program, by taking a year of additional work in Teachers College, are awarded five-year diplomas.

Residence Requirements. The University grants Baccalaureate degrees only to those students who earn a minimum of 30 semester hours in residence (that is, in class or laboratory work on the University of Hawaii campus) and who in addition do one of the following:

(1) take a minimum of 14 credit hours a semester in the University during the two semesters just preceding the granting of the degree; or

(2) earn a minimum total of 24 residence credits during any four of five consecutive summer sessions just preceding the granting of the degree; or

(3) earn a minimum total of 24 residence credits by carrying not less than 2 credit hours per semester and 6 credit hours per summer in any three of four consecutive years just preceding the granting of the degree.

Not more than 25 per cent of the total credits earned at the University of Hawaii for a degree may be obtained in extension courses (courses offered off the campus); and if the residence requirement conflicts with the extension allowance the residence requirement takes precedence.

Time Within Which Work Must Be Completed. All graduation requirements must be completed within ten years of the beginning of work in the University of Hawaii, except that students who were registered in the University prior to 1932 or who were previously registered in the Territorial Normal School have been given certain privileges.

MEDICAL SCHOOL REQUIREMENTS

Premedical students expecting to enter the University of Hawaii may apply for entrance to the College of Arts and Sciences or the College of Applied Science. The programs during the first two years are based upon the requirements of the American Medical Association and are very similar, but then differ in the upper years according to degree requirements of the colleges.
Medical schools generally have adopted the entrance requirements of the American Medical Association, although there is considerable variation. Each prospective student of medicine should inform himself of the requirements of the institution to which he expects to go.

**American Medical Association Entrance Requirements**

**Preparatory school.** A minimum of 15 units, of which at least 3 must be in English, 2 in some one foreign language, 2 in mathematics (including algebra through quadratics), and one in history.

**University.** A minimum of 60 credit hours as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
<th>University of Hawaii Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>15</td>
<td>Chemistry 103, 149 (4 credits), 230 (4 credits)</td>
</tr>
<tr>
<td>Physics</td>
<td>8</td>
<td>Physics 102</td>
</tr>
<tr>
<td>Biology</td>
<td>10</td>
<td>Zoology 100, 151, 160</td>
</tr>
<tr>
<td>English Composition</td>
<td>6</td>
<td>English 100 or 102</td>
</tr>
<tr>
<td>French, German or Spanish</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>45</strong></td>
<td></td>
</tr>
</tbody>
</table>

15 semester hours of electives from the following fields: botany, chemistry, economics, English, history, mathematics, psychology, sociology, and zoology.

Because of the increased demand for medical service during the emergency, medical schools are accepting students who have completed two years of university work. Accelerated schedules have been adopted and students will be graduated after three years of continuous study. For details of this policy, current catalogues and announcements of medical schools should be consulted.

**TUITION AND FEES**

Students registered for 10 or more credit hours in any semester, pay $50 for tuition and $10 for registration per semester. Students registered for fewer than 10 credit hours in any semester pay $5 per credit hour. For summer session fees see the statement under Summer Session.

Persons who register after the announced days of registration pay a late registration fee of $1.

All fees must be paid in full at the time of registration, and no registration card will be finally accepted until it is endorsed showing payment.

Laboratory and special course fees are stated in the descriptions of courses. If the instructor feels it is justified, students may be charged for excessive breakage of equipment.

Students who take the college aptitude test pay a $1 fee at the time of examination. Tuition and laboratory fees may be refunded to students who withdraw from courses, the percentage refunded to be in accordance with the following schedule:

- Withdrawal during
  - first 2 weeks of instruction . 100%  
  - third week of instruction . 80%  
  - fourth week of instruction . 60%  
  - fifth week of instruction . 40%  
  - sixth week of instruction . 20%  
  - remainder of semester . 0%

In no case is the registration fee or any part of it refunded.
GENERAL INFORMATION

A fee for diploma or certificate must be paid to the Business Office before any such diploma or certificate can be received by a student. For the five-year diploma, the certificate in social case work and the public health nursing certificate the fee is $2.50. For all other degrees and diplomas the fee is $5.

A graduate student receiving an advanced degree must pay, before the degree is awarded, a fee of $4 to cover the cost of binding two copies of his thesis.

Caps, gowns, and hoods for use in graduation ceremonies may be rented.

A student who requests the Registrar to send to another institution a record of his work here is not required to pay for the first copy, but he is charged $1 for each subsequent copy.

Steel book lockers for student use are situated in Hawaii Hall. The use of a locker for a year may be obtained from the Business Office by paying $1, of which 50 cents will be refunded when the key is returned at the end of the University year.

At the request of the Associated Students of the University of Hawaii (A.S.U.H.) and with the consent of the Board of Regents, the University Business Office collects certain student fees at the time tuition and registration fees are collected. These student fees are class dues of $1 a year and the A.S.U.H. annual membership fee for undergraduates taking 10 or more semester hours. For other students the A.S.U.H. fee is optional. These fees are not collected for the Summer Session. Privileges that these fees purchase are described in the A.S.U.H. Handbook, which is available to all students affected.

Special Educational Service

MILITARY TRAINING

For the period of the emergency, or until further notice, military training will not be offered. It is assumed that such training will again be available after the war, in accordance with the laws governing federal aid to land-grant colleges. The basic (freshman and sophomore) courses in military science must be taken by every physically fit male student who is an American citizen, who is at least 14 years old, whose 26th birthday has not passed at the time of enrollment in the University, who (1) is (or was at the time of entering the University) a Freshman or a Sophomore, or (2) is an unclassified student carrying more than 9 credit hours of work and having fewer than 67 college credits. Military training in the junior and senior years is optional for selected students who have completed the basic courses, provided the number of such students does not exceed the quota authorized by the War Department.

HEALTH, PHYSICAL EDUCATION, AND SPORTS

The University expects every student to safeguard his health and offers certain aids toward that end. Before entering the University, every new student must have a medical and physical examination by a reputable physician. The student makes his own arrangements and pays the physician. The University provides a form for the physician to use in reporting the examination. If subsequent examinations are needed, the University makes them in its infirmary without cost to the student.

At the infirmary a trained nurse is on duty throughout the day and a physician during certain hours. First-aid service is available to students suffering from minor ills and injuries; no charge is made for this service and no responsibility is assumed by the University. Any student who needs medical attention beyond that which the University can reasonably give should make his own arrangements with a physician.
The University also offers instruction in health and conducts a program of recreation and sports designed to promote the health of students. Freshman and sophomore men and women under 25 years of age who are registered for 10 or more semester hours of academic work must take at least one credit hour in health and physical education courses each semester (see Health and Physical Education under Courses of Instruction). All students are required to take Health and Physical Education 105, Personal Hygiene.

A student enrolled in a required course in Health and Physical Education and also participating in a varsity sport may be excused from attendance at the health and physical education class during the season of that sport.

Intramural sports are planned with a view to serving the Health and Physical Education Department and to supplementing the regular courses offered.

Varsity sports are conducted independently of the activities of the Health and Physical Education Department. They are governed by a Board of Athletic Control, acting in cooperation with the University administration and the Faculty. This Board has seven members, three selected by the Associated Students of the University of Hawaii, two by the Alumni Association, and two by the Faculty. The Board forms policies for intercollegiate athletics, drafts budgets, and makes contracts and other arrangements for contests between the University of Hawaii and other colleges and athletic groups.

Although the University takes reasonable precautions, it assumes no responsibility for injuries received in sports or games on the campus.

During the war emergency period added emphasis is given to all phases of health services and instruction. A medical aid center has been established. All students are expected to take first-aid or other similar courses. Protection of students' health and preparation for service in emergency are stressed.

ADULT EDUCATION

The Adult Education program provides noncredit courses on and off the campus, and credit courses off the campus at times and places convenient for the persons thus served. A program of correspondence courses carrying university credit is made available to those who cannot attend classes. Visiting lecturers and resident faculty members are scheduled for public appearances on the campus, in Honolulu, and in outlying communities. For a nominal rental charge, educational films, both sound and silent, are lent to schools and organizations. A free Play Loan Library service is maintained for schools and amateur theatrical groups.

Admission to extension courses offering credit is governed by the rules that apply to admission to residence courses. Credits gained in University of Hawaii extension courses may be applied toward the Bachelor degree, but not more than 25 per cent of the total credits required to be earned in the University for the degree may be extension or correspondence credits, and such credits are not counted as fulfilling the residence requirement. Credits earned in extension or correspondence courses will be accepted by mainland universities which accept the credits of member institutions of the National University Extension Association.

Noncredit courses are open to all adults who wish to enroll.

Announcements of extension courses and other forms of service are issued from time to time.
SUMMER SESSION

The usual six-weeks Summer Session has been extended to twelve weeks, as a war measure in the interest of an acceleration of student progress in degree programs. The session is planned as a short semester, enabling the student to earn 12 to 14 credits. Several courses are six weeks in length for the convenience of teachers in service and others who may not wish to attend for the full period. Tuition for the Summer Session is $50 for a credit load of 10 or more semester hours. For fewer than 10 hours a charge of $5 per credit is made. No registration fee is required. A special summer bulletin is published, obtainable upon request from the Office of Publications and Publicity.

Student Affairs

STUDENT LIFE

Student life at the University is necessarily altered by wartime conditions and needs. In many ways students are contributing to the war effort — through entertainment of service personnel, through salvage and war bond campaigns, through volunteer work under the Office of Civilian Defense, and through Red Cross work. Student projects typical of normal university life will be continued, subject to the necessary limitations of wartime conditions. These projects are described in the following paragraphs.

The Associated Students of the University of Hawaii is a self-governing organization whose stated object is to promote and direct undergraduate extracurricular student activities and to cooperate with the University administration in student affairs. Its members include all regular students who pay A.S.U.H. fees. An elected council directs its activities. The A.S.U.H. Handbook describes the organization and functions in detail.

Among the activities in which the A.S.U.H. engages are athletics, (football, baseball, track, basketball, swimming, and minor sports), debating, dramatics, a semi-weekly newspaper (Ka Leo o Hawaii), and a yearbook (Ka Palapala).

University of Hawaii athletic and debating teams hold intercollegiate contests with representatives of universities of the mainland United States and of the Orient.

The University Theatre Guild endeavors to present each year a series of productions peculiarly appropriate to the cultures of Hawaii, of mainland America or western Europe, and of the Orient.

Student societies include about forty scholastic, honorary, professional, religious, and social organizations.

Student extracurricular life centers in Hemenway Hall, paid for partly through student, alumni, and faculty contributions. Student mail is distributed in this building.

Through the offices of the college deans and the Counsellor for Women, a high standard of student conduct is maintained. Students are assisted in working out personal problems, such as those of residence, health, part-time employment, scholastic standing, social life, vocational guidance, and finance. In cooperation with the University Treasurer, arrangement is made for loans to needy students in good standing.

LIVING ACCOMMODATIONS AND EXPENSES

All possible assistance is given to students in locating suitable living accommodations. Letters of inquiry and requests for rooms in the campus dormitories should be addressed to the Counsellor for Women.
Men students ordinarily may obtain comfortable lodgings at Atherton House, a dormitory adjoining the campus. Room rates range from $40 to $100 a semester. Accommodations at present are, however, limited by military use of the building.

Thirty women students are housed at Hale Lauima, a cooperative women's dormitory. Each young woman shares a double room, assists in cooking and housekeeping, pays $7 a month for rent, and shares other living expenses, including the cost of food. Total current living expenses on this plan approximate $20 per person per month.

Most residents of Atherton House take their meals at Hemenway Hall, where food is available, cafeteria style, at very reasonable rates.

Minimum expenses of the average student are estimated at from $500 to $600 a year for board, room, tuition, registration, course fees, class and student body fees, and books. Some students find low-cost living accommodations that enable them to reduce this figure to around $400. These estimates do not cover the cost of clothing, laundry, and other personal necessities.

Many students earn a small part of their expenses. A few very capable students succeed in meeting about 40 per cent of their expenses by doing part-time work.

LOAN FUNDS

Through the generosity of various organizations and individuals, certain funds have been provided from which worthy students may borrow—either in small amounts to meet emergencies or in larger sums in order to defer part of the payment of tuition costs until after graduation. Students wishing to make use of these funds should consult the college dean or the Counsellor for Women with respect to the proper procedure for application and the conditions under which the various loans are granted. Loan funds include the following:

- Alumni Student Aid Fund
- Alumni Fund—Molokai Chapter
- American Bankers Association Loan Fund
- American Legion Fund
- Business and Professional Women's Club Loan Fund
- Chinese Students' Alliance Loan Fund
- Commerce Club Loan Fund
- Daughters of the American Revolution Student Fund of Hawaii
- Emergency Loan Fund
- Future Farmers of America, Uniwi Chapter Loan Fund
- George H. Lamy Loan Fund
- Hawaiian University Association Loan Fund
- Helen Strong Carter Dental Fund
- Honolulu Civic Association Loan Fund
- Inez Wheeler Westgate Fund
- Japanese Students' Alliance Loan Fund
- Maui Women's Club Fund
- McKinley Scholarship Fund
- Moir-Ross Health Fund
- N.G.B. Fund
- P.E.O. Sisterhood Loan Fund
- Representatives Club Fund
- Rotary Club Fund
- Senior Class Fund
- Student Fund of Teachers College
- Te Chih Sheh Fund

SCHOLARSHIPS

A number of persons and organizations, and the territorial Legislature have made donations or grants that enable the University to offer financial assistance to students in the form of scholarships. All scholarship awards are made by a faculty Scholarship Committee. (The candidate should consult the Counsellor for Women for application information.) Unless otherwise specified all scholarships are awarded annually and may be withdrawn from individuals if a good standard of scholastic work is not maintained.
GENERAL INFORMATION

The names and the characteristics of the scholarship funds follow:

*Alonzo Gartley*—Two scholarships of $150 each, given in memory of Alonzo Gartley, who was for many years a regent of the University, awarded to men students in Sugar Technology or Agriculture.

*Chinese Community*—A fund of about $3000 given to the University of Hawaii to endow scholarships for Juniors and Seniors of Chinese ancestry.

*Chinese Students’ Alliance*—A general scholarship fund maintained by the Chinese Students’ Alliance.

*Chinese University Men*—A scholarship of $50 awarded to a deserving and needy man student of Chinese ancestry above freshman standing.

*Chinese University Women*—A scholarship of $50 awarded to a deserving and needy woman student of Chinese ancestry above freshman standing.

*Chinese Women’s Club*—A scholarship of $50 awarded to a deserving and needy woman of Chinese ancestry above freshman standing.

*Edison B. K. Tan Memorial*—A scholarship of $50 a semester given by the friends of Edison Tan, ’38, to a worthy upperclassman, preferably an economics or business major.

*Filipino Women’s Club, International Institute, Y.W.C.A.*—Two scholarships of $25 each given to students of Filipino ancestry and of good scholastic standing, one to an entering Freshman and one to an upperclassman.

*Hawaiian Civic Club of Hilo*—A scholarship loan of $150 a year, awarded to male Hawaiian students of Hawaii county who desire to attend or are attending the University.

*Hawaiian Sugar Planters’ Association*—Five scholarships of $150 each. These scholarships are held for four years and are open to students majoring in agriculture. Recipients are selected by a committee named by the H.S.P.A.

*Honolulu Civic Association*—A scholarship, the amount varying from year to year.

*Korean American Cultural Association*—This association has collected $2500 to be used in maintaining an annual scholarship of $150 for either a Korean or an American of Korean ancestry. The recipient is required to assist the University in collecting and maintaining the Korean collection in the University library.

*Korean National Association of Hawaii*—A scholarship of $100 awarded annually to one or two students of Korean ancestry above freshman standing.

*Korean University Club*—A scholarship of $50 a semester awarded to a student of Korean ancestry.

*Leora Parmelee Dean*—The sum of $100 awarded by the Women’s Campus Club of the University to a deserving and needy young woman; application for this scholarship should be addressed to the chairman of the scholarship committee of the Campus Club.

*Mary Dillingham Frear*—A scholarship not exceeding $150 awarded to a meritorious student.

*Ruth D. Scudder*—A scholarship awarded to a deserving woman student from a memorial fund maintained by the Women’s League of Central Union Church.

*Stephen Spaulding*—The income of an endowment of $2500, given by Florence Tucker Spaulding in memory of her son, Stephen Spaulding, ex-’27, awarded as a scholarship to a man student.
Territorial—Six scholarships of $120 each awarded each year to entering Freshmen, one from each representative district in the Territory of Hawaii; these scholarships are held four years if the beneficiaries maintain a satisfactory standard of scholarship and conduct.

Wallace Rider Farrington—Established by the Honolulu Star-Bulletin in honor of the late Wallace Rider Farrington, its former editor and publisher. It is awarded annually to a graduate of Farrington High School selected by the Wallace Rider Farrington Scholarship Committee. Recipients are given $150 a year for four years.

Women's League of Central Union Church—A general scholarship fund maintained by the Women's League of Central Union Church for the assistance of several women students, preferably Seniors.

Yang Chang Hui—A scholarship of $50 awarded to a woman student of Chinese ancestry above freshman standing.

PRIZES AND AWARDS

Dean Prize for Undergraduate Research—In 1927 the faculty of the University, in honor of Dr. Arthur Lyman Dean, resigning President, established a fund to be known as the Dean Prize Fund, the proceeds to be used in stimulating interest in undergraduate research. Any Senior in the University may compete for this prize of not less than $25 nor more than $50 each year by presenting to the Dean Prize Committee a thesis in which he reports fully upon his research in any field of intellectual endeavor. The committee, appointed by the President, selects the thesis which in its judgment is the best example of originality, independence, logic, and form of presentation. The winning paper is placed in the Hawaiian room of the Library.

Banks Memorial Prize—The Charles Eugene Banks Memorial Prize, the income from a $500 endowment, is awarded each year to the student whose manuscript is judged to be the best received in a creative writing contest.

Hawaiian Section of the American Chemical Society Prize—A one-year student membership in the American Chemical Society is awarded each year to the most outstanding Senior majoring in chemistry. The name of the winner is engraved on a bronze plaque in Gartley Hall.

Phi Beta Kappa Recognition Award—This is an award made by the Phi Beta Kappa Association of Hawaii in recognition of high scholastic standing among Seniors.

Phi Kappa Phi Prize—The Hawaii chapter of Phi Kappa Phi honor society awards a $20 cash prize to the Senior who graduates with the highest scholastic record in his class.

Best Soldier Awards—Since 1924 the Honolulu Star-Bulletin has sponsored a Best Soldier competition in which gold, silver, and bronze medals are awarded each year to the three most outstanding freshman and sophomore members of the Reserve Officers' Training Corps. Judgment is based on scholastic standing in the study of military science as well as on military performance. (These awards have been discontinued until after the war.)

Real Deans Awards of Honor—The Associated Students of the University of Hawaii annually awards medals to students who, in the opinion of fellow students, have given time and effort willingly, untiringly, and without thought of reward to the promotion of A.S.U.H. activities.
BERNDT PRIZES FOR EXTEMPORANEOUS PUBLIC SPEAKING—The Associated Students of the University of Hawaii annually awards medals to the students judged best in an extemporaneous speaking contest.

UNIVERSITY ORATORY PRIZES—The Associated Students of the University of Hawaii annually awards medals to the students judged best in an oratorical competition.

THEATRE GUILD DICTION AWARDS—The University of Hawaii Theatre Guild annually awards a medal to the student actor in each of its productions whose diction is judged best. (These awards have been discontinued until after the war.)

WARRIOR OF THE PACIFIC TROPHY—Since 1928 the United States War Department has supervised an annual rifle marksmanship competition among Reserve Officers' Training Corps infantry units in American universities and colleges for the possession of a bronze statuette of a native Hawaiian soldier. Residents of Hawaii offered the trophy for the competition. (These awards have been discontinued until after the war.)
COLLEGE OF ARTS AND SCIENCES

In keeping with the Liberal Arts tradition, the major objective of the College of Arts and Sciences is to give a comprehensive acquaintance with those fields of thought and achievement, both in the humanities and the sciences, upon which our present civilization is based. Certain combinations of courses provide preprofessional preparation for such activities as business, dentistry, law, medicine, and social work. The four-year programs lead to the Bachelor of Arts degree.

Because of its geographical position, midway between continental America and the far East, Hawaii must understand the Orient as well as the Occident. Therefore, more than usual attention is given to the history, languages, literature, and philosophy of the lands bordering upon the Pacific Ocean.

ADMISSION

The requirements for admission are the same as those for admission to the University as a whole.

Each Freshman in the College is admitted to one of the following groups, the selection depending upon his interests: Social Sciences; Languages, Literature, and Art; Biological and Physical Sciences; Economics and Business.

DEGREE REQUIREMENTS

To be entitled to the Bachelor of Arts degree from this college a student must:

1. meet certain basic requirements of the first two years;
2. complete a major of 24 semester hours, and a minor of 12 semester hours;
3. have at least 50 semester hours of credit in other than introductory courses;
4. have an aggregate of at least 128 semester hours of credit; and
5. have an aggregate of at least 264 grade points (see Credits, Grades, Grade Points, Honors).

CURRICULA

The curricula of the College of Arts and Sciences center around the major fields of concentration. All students must meet certain basic requirements of the first two years, and complete a major and minor during the last two years. These requirements, plus certain electives, constitute a curriculum in each case. A major comprises 24 semester hours in some one field of concentration, (see majors); and a minor, 12 semester hours. The minor must be in a field other than that of the major.

Majors must be chosen by the beginning of the third year. However, since all departments require certain basic courses as background for further work, it is strongly advised that the major be selected by the beginning of the second year.

Basic Requirements

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 100 or 102</td>
<td>English 150</td>
</tr>
<tr>
<td>Foreign language</td>
<td>Foreign language</td>
</tr>
<tr>
<td>Health and Physical Education</td>
<td>Government 150</td>
</tr>
<tr>
<td>100 or 102</td>
<td>Health and Physical Education</td>
</tr>
<tr>
<td>History 100</td>
<td>105, 135 or 136</td>
</tr>
<tr>
<td>Science</td>
<td>History 110</td>
</tr>
</tbody>
</table>
COLLEGE OF ARTS AND SCIENCES

Additional requirements are stipulated under each major field. Some variation is allowed in certain curricula.

Majors

ART. Additional basic requirements—Art 150-151, 154-155, 180-181, and two of the following: Anthropology 150-151, Sociology 151, Economics 150-151, Philosophy 150-151, Psychology 150.
Recommended minors—English, History, Music.

BACTERIOLOGY. Additional basic requirements—Bacteriology 151, 156, Botany 100 or Zoology 100, Botany 173 or Zoology 191, Chemistry 149 or 150.
Recommended minors—Chemistry, Zoology.

BOTANY. Additional basic requirements—Bacteriology 151, Botany 102, 173, Chemistry 149 or 150.
Recommended minors—Agriculture, Bacteriology, Chemistry, Geology, Zoology.

BUSINESS. Additional basic requirements—Business 150-151, Economics 150-151, Geography 150, 151, Philosophy 150, Psychology 150.
Recommended minor—Economics.

CHEMISTRY. Additional basic requirements—Chemistry 103, 149, 150, 171, and a year each of college mathematics and physics.
Major requirements—Chemistry 211, 212, 230.
Recommended minors—Mathematics, Philosophy, Physics.

CHINESE. Additional basic requirements—Anthropology 150, Chinese 101, Economics 150-151, Philosophy 150, Psychology 150, Religion 150-151, Sociology 151.
Recommended minors—Economics, English, French, German, Government, History, Japanese, Spanish.

ECONOMICS. Additional basic requirements—Anthropology 150, Economics 150-151, Philosophy 150, Psychology 150, Sociology 151.
Major requirements—Business 161, Economics 256, 257, 261, 281.
Recommended minors—Business, Government, History, Sociology.

ENGLISH. Additional basic requirements—Anthropology 150, Economics 150-151, English 150, Philosophy 150, Psychology 150, Sociology 151.
Recommended minors—Art, French, German, Philosophy, Psychology, Religion, Spanish.

FRENCH. Additional basic requirements—Anthropology 150, Economics 150-151, French 101, Philosophy 150, Psychology 150, Sociology 151.
Recommended minors—English, History, Philosophy, Spanish.

GOVERNMENT. Additional basic requirements—Anthropology 150, Economics 150-151, Philosophy 150, Psychology 150, Sociology 151.
Recommended minors—Economics, History.

HISTORY. Additional basic requirements—Anthropology 150, Economics 150-151, Philosophy 150, Psychology 150, Sociology 151.
Major requirements—A minimum of 9 hours each in the American and Oriental fields.
Recommended minors—Government, Economics, Philosophy, Psychology, Sociology.

JAPANESE. Additional basic requirements—Anthropology 150, Economics 150-151, Japanese 103, Philosophy 150, Psychology 150, Religion 150-151, Sociology 151.
Recommended minors—Chinese, Economics, English, French, German, Government, History, Spanish.
**PREPROFESSIONAL PREPARATION**

**MATHEMATICS.** Additional basic requirements—Mathematics 150, 151, 152, and two of the following: Anthropology 150-Sociology 151, Economics 150-151, Philosophy 150-Psychology 150, Religion 150-151.

Recommended minors—Engineering, Physics.

**PHILOSOPHY.** Additional basic requirements—Anthropology 150, Philosophy 150, Psychology 150, Religion 150-151, Sociology 151.

Recommended minors—Psychology, Religion.

**PSYCHOLOGY.** Additional basic requirements—Anthropology 150, Economics 150-151, Philosophy 150, Psychology 150, Sociology 151. Zoology 100 and 151 are recommended but not required.

Recommended minors—Anthropology, Mathematics, Philosophy, Sociology, Zoology.

**RELIGION.** Additional basic requirements—Anthropology 150, Philosophy 150, Psychology 150, Religion 150-151, Sociology 151.

Recommended minors—Anthropology, History, Philosophy, Psychology.

**SOCIOLOGY.** Additional basic requirements—Anthropology 150, Economics 150-151, Philosophy 150, Psychology 150, Sociology 151.

Recommended minors—Anthropology, Economics, Government, Psychology.

**ZOOLOGY.** Additional basic requirements—Chemistry 149 or 150, Zoology 100, 151, 180, 191.

Major requirements—Zoology 170, 253, 261.

Recommended minors—Bacteriology, Botany, Chemistry.

---

**PREPROFESSIONAL PREPARATION**

**Suggested Prelegal Program**

It is expected that all prelegal students will major in either Economics, Government or History. The basic requirements of the first two years are the same in each case, and student programs will be governed accordingly. Chemistry 103 is recommended for the science requirement of the first year.

The work of the last two years is largely elective, but the following courses are strongly advised: Business 150-151, 250-251, Economics 256, 257, 261, English 130, Government 254, 282, History 211, 252, Philosophy 280, Psychology 250, 295.

**Suggested Premedical Program**

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 103</td>
<td>Chemistry 149</td>
</tr>
<tr>
<td>English 100 or 102</td>
<td>English 150</td>
</tr>
<tr>
<td>French 100 or German 100</td>
<td>French 101 or German 101 or 102</td>
</tr>
<tr>
<td>Health and Physical Education 100 or 102</td>
<td>Health and Physical Education 105, 135 or 136</td>
</tr>
<tr>
<td>Mathematics 149, 150; or 150, 151</td>
<td>Physics 102</td>
</tr>
<tr>
<td>Zoology 100, 151</td>
<td>Zoology 160, 191</td>
</tr>
<tr>
<td><strong>Summer Session</strong></td>
<td><strong>Summer Session</strong></td>
</tr>
<tr>
<td>Chemistry 150</td>
<td>Chemistry 230</td>
</tr>
<tr>
<td>History 100</td>
<td>Economics 150</td>
</tr>
<tr>
<td>Government 150</td>
<td>History 110</td>
</tr>
<tr>
<td></td>
<td>Psychology 150</td>
</tr>
</tbody>
</table>

This program meets medical school requirements as outlined by the American Medical Association (see p. 25), and also meets the basic requirements of the College [35]
of Arts and Sciences. Additional work to complete a major, and the necessary number of credits and grade points, meet all requirements for the degree of Bachelor of Arts. This arrangement of courses is suggestive rather than arbitrary, and it may be altered to meet the preparation or needs of the student.

Predental students follow this program with such modifications as are necessary to satisfy dental school requirements.

**Suggested Presocial Work Program**

Students who plan to enter the School of Social Work (see p. 50) should complete their major and minor requirements in Psychology and Sociology. Whichever is selected as the major, the other should be the minor. In addition, certain undergraduate courses are required and others recommended. Required—Psychology 250, 292, 295, Social Work 200-201, Sociology 255, 267, 269. Recommended—Economics 281, Government 282, Home Economics 250, 253, Religion 250-251, Zoology 191. (Some of these courses are not offered in 1943-44, but will be offered later.)

Intention of preparing for Social Work should be indicated by the beginning of the junior year.
COLLEGE OF APPLIED SCIENCE

The principal function of the College of Applied Science is to prepare for the professions of Agriculture, Engineering, Home Economics, and Sugar Technology. In addition, however, it offers preprofessional preparation for dentistry, medicine, medical technology, and nursing, and a limited program in Public Health Nursing. The four-year programs lead to the Bachelor of Science degree.

ADMISSION

The requirements for admission to this college are, in general, the same as those for admission to the University as a whole, but some of the curricula require additional preparation. (See p. 18.) Students who are lacking some of this required special preparation are unable to follow the regular programs, and usually need more than four years to complete the degree requirements.

DEGREE REQUIREMENTS

In order to be eligible for the Bachelor of Science degree from this college a student must—

1. meet certain basic requirements of the first two years;
2. complete the required courses of each curriculum;
3. have an aggregate of at least 130 semester hours of credit; and
4. have an aggregate of at least 264 grade points (see Credits, Grades, Grade Points, Honors).

CURRICULA

Certain basic requirements of the first two years are common to all curricula. They are as follows:

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 103</td>
<td>English 150</td>
</tr>
<tr>
<td>English 100 or 102</td>
<td>History 110 (second or third year)</td>
</tr>
<tr>
<td>Health and Physical Education 100 or 102</td>
<td>Health and Physical Education 105, 135 or 136</td>
</tr>
</tbody>
</table>

Additional requirements are stated for each curriculum.

Agricultural Curriculum

The program in Agriculture is designed to give a knowledge of the fundamental principles underlying agriculture as a science and a profession, with a view to effective service in this general field. The program is broadly conceived to give a background not only in the biological and physical sciences, but in the social sciences as well. Provision is made for a wide choice of electives, but at least 18 credits should be in agricultural subjects.

The major objective is to teach the general laws governing the relationship of growing crops and living animals to soil, climate, and environment.
COLLEGE OF APPLIED SCIENCE

Additional Required Courses

**First Year**
- Agriculture 100, 151, 152
- Botany 100, Zoology 100
- Mathematics 149, 150; or 150, 151

**Second Year**
- Agriculture 162 or 164
- Bacteriology 151
- Botany 173
- Physics 102
- Zoology 170, 173

**Third Year**
- Agriculture 162 or 164, 250, 254, 256

**Fourth Year**
- Agriculture 299

Engineering Curriculum

The program in Engineering is designed to give training in the fundamental principles upon which professional engineering practice is based.

The general plan provides a broad foundation during the first two years in English, mathematics, chemistry, physics, and drawing.

The work of the last two years is more technical and professional, and is so arranged that a student may elect work that later leads to specialization in either chemical or civil engineering. The electives depend upon the interest of the student and must be so chosen that they make up a well coordinated program.

Additional Required Courses

**First Year**
- Civil Engineering 101
- Mathematics 151, 152, 153, 156
- Mechanical Drawing 101

**Second Year**
- Economics 150-151
- Mathematics 154, 155
- Physics 102

**Third Year**
- Civil Engineering 252, 253, 255
- History 110
- Mechanical Engineering 202, 203
- Physics 275

**Fourth Year**
- Business 161 or Mechanical Engineering 285
- Civil Engineering 276, 277, 279
- Physics 202

Suggested Electives

**Second Year**
- Anthropology 150-Sociology 151
- Chemistry 149, 150, 151 or Civil Engineering 151, 153
- Mechanical Drawing 152

**Third Year**
- Chemistry 230, 260
- Civil Engineering 227
- Geology 150, 151
- History or Government
- Mathematics 252-253 or 254-255

**Fourth Year**
- Chemistry 211, 212
- Mechanical Engineering 282

General Curriculum

The general curriculum provides preprofessional preparation for dentistry, medicine, medical technology, and nursing, or a general preparation in science for those
who have not yet decided upon a profession or who lack certain basic requirements for
the professional curricula.

Additional (degree) Requirements

(1) Six or more semester hours in any four of the following groups:

Botany 100-Zoology 100
Economics 150-151 or Anthropology 150-Sociology 151
Geology 150, 151
Mathematics (a) 149-150; (b) 150-151; (c) 152-153
Physics 102
Zoology 100, 151

(2) Thirty semester hours in a specific field, and not less than 12 semester hours
in closely allied fields.

Suggested Premedical Program

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 103</td>
<td>Chemistry 149</td>
</tr>
<tr>
<td>English 100 or 102</td>
<td>English 150</td>
</tr>
<tr>
<td>French 100 or German 100</td>
<td>French 101 or German 101 or 102</td>
</tr>
<tr>
<td>Health and Physical Education 100 or 102</td>
<td>Health and Physical Education 105, 135 or 136</td>
</tr>
<tr>
<td>Mathematics 149, 150; or 150, 151</td>
<td>Physics 102</td>
</tr>
<tr>
<td>Zoology 100, 151</td>
<td>Zoology 160, 191</td>
</tr>
</tbody>
</table>

Summer Session

Chemistry 150
Economics 150
History 110

This program meets medical school requirements as outlined by the American
Medical Association (see p. 25), as well as the basic requirements of the College of
Applied Science. Completion of the further required work of the College entitles the
student to the Bachelor of Science degree. Necessary alterations of this program may
be made to suit the preparation or needs of the student.

Predental students follow this general program but should elect more work in
organic chemistry and qualitative and quantitative analysis.

Suggested Medical Technology Program

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botany 100</td>
<td>Bacteriology 151</td>
</tr>
<tr>
<td>Chemistry 103</td>
<td>Chemistry 149, 150</td>
</tr>
<tr>
<td>English 100 or 102</td>
<td>English 150</td>
</tr>
<tr>
<td>Health and Physical Education 100 or 102</td>
<td>Health and Physical Education 135 or 136</td>
</tr>
<tr>
<td>Mathematics 149, 150; or 150, 151</td>
<td>Physics 102</td>
</tr>
<tr>
<td>Zoology 100</td>
<td></td>
</tr>
</tbody>
</table>

Suggested Electives

History 100
Foreign language

Suggested Electives

Anthropology 150-Sociology 151
Foreign language
### Third Year
- Chemistry 230
- Government 150
- History 110
- Zoology 151, 191

### Fourth Year
The fourth year is usually spent in a medical technology laboratory, but those who choose may complete the requirements for the degree before entering the laboratory training program.

#### Suggested Electives
- Bacteriology 260, 262
- Economics 150-151
- Chemistry 171, 260
- Psychology 150
- Zoology 262

#### Suggested Pre-During Program
Prospective applicants for the Queen's Hospital School for Nurses must spend a year in a University and complete certain prescribed courses before they will be admitted. In most cases this program requires at least two semesters and a summer session at the University of Hawaii. Detailed information is presented in a circular issued by the Queen's Hospital.

Prenursing students may take one or two years to complete the requirements.

#### One Year Program

<table>
<thead>
<tr>
<th>Summer Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacteriology 156</td>
</tr>
<tr>
<td>Chemistry 103</td>
</tr>
<tr>
<td>Health and Physical Education 102</td>
</tr>
<tr>
<td>Household Science 150</td>
</tr>
<tr>
<td>Sociology 151</td>
</tr>
</tbody>
</table>

#### First Year
- Bacteriology 151
- Chemistry 103
- English 100
- Health and Physical Education 102
- Household Science 155
- Psychology 150

#### Suggested Electives
- Anthropology 150
- Chemistry 149
- History 110
- Zoology 100, 151

#### Two Year Program

<table>
<thead>
<tr>
<th>First Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacteriology 151, 156</td>
</tr>
<tr>
<td>Chemistry 103</td>
</tr>
<tr>
<td>English 100</td>
</tr>
<tr>
<td>Health and Physical Education 100</td>
</tr>
<tr>
<td>Household Science 150</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology 150</td>
</tr>
<tr>
<td>English 150</td>
</tr>
<tr>
<td>Health and Physical Education 105, 136</td>
</tr>
<tr>
<td>Psychology 150</td>
</tr>
<tr>
<td>Sociology 151</td>
</tr>
</tbody>
</table>

#### Suggested Electives
- History 100
- Zoology 100, 151

- Bacteriology 260
- Chemistry 149
- Government 150
- History 110
- Zoology 100, 151, 191
Graduates of the Hospital School, if they so desire, may return to the University of Hawaii and complete the requirements for the Bachelor of Science degree. Thirty semester hours of credit are allowed for the hospital work.

**Home Economics Curriculum**

A general basic curriculum in Home Economics is offered. In addition, certain special courses are given as preparation for Institutional Management, Hospital Dietetics, and Vocational Home Economics Teaching.

Students who expect to teach must complete the four-year program in Vocational Home Economics and the fifth-year work of Teachers College. Art 171, Education 250, 253, 255, English 135, Home Economics 251, Household Art 114, and Psychology 150 should be included in the undergraduate program, and Art 172 and 175 and English 130 are suggested as electives.

Those who plan to enter the fields of Institutional Management or Hospital Dietetics should include Art 172 and Household Science 260, 261, 263, 264, 265, or 266 in their programs. In order to satisfy the requirements of the American Dietetics Association for hospital dieticians, Chemistry 149 and 260, Home Economics 251, and Household Science 200 and 250 should be elected.

### Additional Required Courses (Basic Curriculum)

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 150-151</td>
<td>Bacteriology 156</td>
</tr>
<tr>
<td>Home Economics 100, 101</td>
<td>Economics 150-151</td>
</tr>
<tr>
<td>Household Art 110, 111, 150</td>
<td>Household Art 114*</td>
</tr>
<tr>
<td>Household Science 150</td>
<td>Household Science 102</td>
</tr>
</tbody>
</table>

### Suggested Electives

- Art 154-155, 171, 172
- Chemistry 149, 150
- Philosophy 150
- Psychology 150

### Third Year

- Anthropology 150
- History 110
- Home Economics 201, 250, 252, 253
- Household Science 200 or 272
- Sociology 151
- Zoology 191

### Fourth Year

- Home Economics 262, 291
- Household Science 273

### Suggested Electives

- Art 171, 172, 175
- Chemistry 260
- Education 250, 253, 255
- English 130, 134
- Government 150
- Home Economics 251
- Household Science 250, 260, 261, 263, 264, 265, 266

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*Not required for Institutional Management or Hospital Dietetics.*
Public Health Nursing

In cooperation with Palama Settlement, the Territorial Board of Health, and other agencies, the University offers a one-year program in Public Health Nursing. Enrollment is limited strictly to registered nurses. Successful completion of this program entitles the student to a Certificate in Public Health Nursing.

Credits earned in this program may be applied, by those who are eligible, toward the Bachelor of Science degree.

Detailed information about the program is contained in a pamphlet available upon request. (See Public Health Nursing under Courses of Instruction.)

Sugar Technology

The work in Sugar Technology, as described in previous catalogues, will not be given in 1943-44. Students interested in the agricultural part of sugar production should register in the Agricultural Curriculum, while those interested in the chemical, factory or engineering aspects should register in the Engineering Curriculum.
The function of Teachers College is to prepare teachers for the public schools of Hawaii and to afford those already in service an opportunity to improve themselves professionally. Standard preparation for teaching positions in the public schools of the Territory requires four years of undergraduate work and a postgraduate year. The four-year program leads to the Bachelor of Education degree, and the year of postgraduate work to the five-year diploma. Admission to the fifth year requires professional preparation equivalent to that represented by the Bachelor of Education degree, or the Bachelor of Science degree in Vocational Education. (See Vocational Education.)

ADMISSION

In addition to the general University admission requirements, students admitted to Teachers College must meet certain standards of health, personality, and oral English. The number is restricted in order that those who complete the program may be reasonably certain of employment.

DEGREE REQUIREMENTS

To be eligible for the Bachelor of Education degree from this college, a student must—

1. have an aggregate of at least 130 semester hours of credit;
2. have an aggregate of at least 264 grade points (see Credits, Grades, Grade Points, Honors);
3. complete one of the four curricula; and
4. meet the following specific requirements:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participation and practice teaching</td>
<td>12</td>
</tr>
<tr>
<td>Other education courses</td>
<td>14</td>
</tr>
<tr>
<td>Psychology</td>
<td>12</td>
</tr>
<tr>
<td>Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>English</td>
<td>21</td>
</tr>
<tr>
<td>Social science</td>
<td>22</td>
</tr>
<tr>
<td>Natural science</td>
<td>11</td>
</tr>
<tr>
<td>Health and Physical Education</td>
<td>8</td>
</tr>
<tr>
<td>Art and Music</td>
<td>6</td>
</tr>
<tr>
<td>Agriculture</td>
<td>2</td>
</tr>
</tbody>
</table>

CURRICULA

The curricula are virtually identical for the first two years, but some variation is allowed in electives.

During the third year special attention is given to the professional information and background necessary for public school service.

The fourth year consists largely of professional education. One semester is devoted to practice teaching and allied educational courses; the offsetting semester provides
opportunity for other needed professional course experiences. While one group of students carries the practice teaching work, the other carries the courses of the offsetting semester. A modification in this procedure is made for students specializing in dental hygiene. In that curriculum the clinical practice, corresponding to practice teaching and representing about one third of the senior load, is spread over the full year.

Basic Requirements for All Students*

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td></td>
</tr>
<tr>
<td>Anthropology 150</td>
<td>3</td>
</tr>
<tr>
<td>Botany 100</td>
<td>4</td>
</tr>
<tr>
<td>English 100 or 102</td>
<td>3</td>
</tr>
<tr>
<td>Health and Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>History 100</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>17</td>
</tr>
</tbody>
</table>

| **Second Year** |                 |
| English 152 | 3               |
| Health and Physical Education | 3 |
| History 110 | 3               |
| Psychology 150 | 3 |
| Survey 100 | 3               |
| Electives | 4               |
| **Total** | 17              |

Preschool-Primary Curriculum

| **Third Year** |                 |
| Art 261 | 2               |
| Education 235 | 1 |
| Education 283 | 3               |
| English 290 | 3               |
| Health and Physical Education | 3 |
| Education 220 | 2 |
| Household Science 272 | 4 |
| Electives | 2               |
| **Total** | 17              |

* Except for Dental Hygiene Curriculum. See p. 46.
<table>
<thead>
<tr>
<th>First Semester</th>
<th>Fourth Year</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture 271</td>
<td>2 Education 254</td>
<td>10</td>
</tr>
<tr>
<td>Education 261</td>
<td>2 Education 255</td>
<td>2</td>
</tr>
<tr>
<td>English 296</td>
<td>2 Education 256</td>
<td>2</td>
</tr>
<tr>
<td>Psychology 281</td>
<td>3 Education 257</td>
<td>2</td>
</tr>
<tr>
<td>Psychology 292</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

**Elementary Curriculum**

<table>
<thead>
<tr>
<th>Third Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 235</td>
</tr>
<tr>
<td>Education 285</td>
</tr>
<tr>
<td>English 290</td>
</tr>
<tr>
<td>Health and Physical</td>
</tr>
<tr>
<td>Education 221</td>
</tr>
<tr>
<td>Music 251</td>
</tr>
<tr>
<td>Sociology 250</td>
</tr>
<tr>
<td>Electives</td>
</tr>
<tr>
<td><strong>Total</strong></td>
</tr>
</tbody>
</table>

**Fourth Year**

| Agriculture 271 | 2 Education 254 | 10 |
| Education 261 | 2 Education 255 | 2 |
| English 240 | 1 Education 256 | 2 |
| English 294 | 2 Education 257 | 2 |
| Psychology 281 | 3 | |
| Psychology 292 | 3 | |
| Electives | 3 | |
| **Total** | 16 | 16 |

**Secondary Curriculum**

<table>
<thead>
<tr>
<th>Third Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 235</td>
</tr>
<tr>
<td>Education 250</td>
</tr>
<tr>
<td>English 292</td>
</tr>
<tr>
<td>Sociology 250</td>
</tr>
<tr>
<td>Electives</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
</tr>
<tr>
<td>First Semester</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>Education 261</td>
</tr>
<tr>
<td>English 240</td>
</tr>
<tr>
<td>Psychology 281</td>
</tr>
<tr>
<td>Psychology 292</td>
</tr>
<tr>
<td>Electives</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

Dental Hygiene Curriculum

**First Year**

<table>
<thead>
<tr>
<th>Chemistry 103</th>
<th>4</th>
<th>Chemistry 103</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 100 or 102</td>
<td>3</td>
<td>English 100 or 102</td>
<td>3</td>
</tr>
<tr>
<td>Health and Physical</td>
<td></td>
<td>Health and Physical</td>
<td></td>
</tr>
<tr>
<td>Education 102</td>
<td>1</td>
<td>Education 102</td>
<td>1</td>
</tr>
<tr>
<td>History 100</td>
<td>3</td>
<td>History 100</td>
<td>3</td>
</tr>
<tr>
<td>Household Science 150</td>
<td>3</td>
<td>Home Economics 101</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
<td>Electives</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>17</td>
<td>Total</td>
<td>17</td>
</tr>
</tbody>
</table>

**Second Year**

<table>
<thead>
<tr>
<th>Botany 100</th>
<th>4</th>
<th>English 150 or 152</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 150 or 152</td>
<td>3</td>
<td>Government 150</td>
<td>3</td>
</tr>
<tr>
<td>Health and Physical</td>
<td></td>
<td>Health and Physical</td>
<td></td>
</tr>
<tr>
<td>Education 156</td>
<td>1</td>
<td>Education 105</td>
<td>1</td>
</tr>
<tr>
<td>History 110</td>
<td>3</td>
<td>Sociology 151</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 150</td>
<td>3</td>
<td>Zoology 100</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
<td>Electives</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>17</td>
<td>Total</td>
<td>17</td>
</tr>
</tbody>
</table>

**Third Year**

| Dental Hygiene 200 | 1 | Dental Hygiene 200 | 1 |
| Dental Hygiene 235 | 2 | Dental Hygiene 235 | 2 |
| Education 235 | 1 | Dental Hygiene 251 | 3 |
| Education 285 | 3 | Dental Hygiene 252 | 1 |
| English 130 | 3 | Education 255 | 1 |
| Household Science 272 | 4 | Education 286 | 3 |
| Zoology 265 | 3 | Health and Physical |
| Education 223 | 2 | Household Science 273 | 4 |
| Total | 17 | Total | 17 |
FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
<th>Fourth Year</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacteriology 151</td>
<td>4</td>
<td></td>
<td>Bacteriology 156</td>
</tr>
<tr>
<td>Dental Hygiene 254</td>
<td>5</td>
<td></td>
<td>Dental Hygiene 254</td>
</tr>
<tr>
<td>Dental Hygiene 260</td>
<td>1</td>
<td></td>
<td>Dental Hygiene 256</td>
</tr>
<tr>
<td>Dental Hygiene 262</td>
<td>2</td>
<td></td>
<td>Dental Hygiene 258</td>
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<tr>
<td>Dental Hygiene 264</td>
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<td>Dental Hygiene 290</td>
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<tr>
<td>Electives</td>
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<td></td>
<td>Zoology 191</td>
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<td>Electives</td>
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<td><strong>Total</strong></td>
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SECOND SEMESTER

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<td><strong>Total</strong></td>
<td><strong>17</strong></td>
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REQUIREMENTS FOR THE FIVE-YEAR DIPLOMA

The fifth-year work consists of two parts: (1) one semester of interne teaching under supervision in a public school, and (2) one semester of required and elective course work. The class is divided into two groups, one of which carries the academic program while the other does the interne teaching.

COURSES AND CREDITS REQUIRED OF FIFTH-YEAR STUDENTS

<table>
<thead>
<tr>
<th>Courses</th>
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<td>Education 340</td>
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<td>Psychology 331</td>
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<td><strong>Totals</strong></td>
<td><strong>16</strong></td>
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</table>

LABORATORY SCHOOLS

Practical experience in teaching situations is given in Teachers College laboratory schools. These schools provide practice teaching facilities for prospective teachers and serve as experimental laboratories in educational practice. In order to insure a rich experience for the children enrolled and to set a high standard of achievement for the student teachers, conditions are made as nearly ideal as possible, with small classes, selected children, excellent quarters and equipment, and a strong supervisory staff assisted by specialists in art, health, library science, physical education, and music.

Observation-participation experience in the third year and probationary or interne teaching in the fifth year are provided in selected public schools under the joint supervision of Teachers College and the Department of Public Instruction.

* Dental Hygienists take Bacteriology 260.
TEACHERS COLLEGE

VOCATIONAL EDUCATION

Prospective vocational agriculture and home economics teachers obtain their undergraduate preparation in the College of Applied Science (see College of Applied Science). Basic professional education courses and practice teaching are required. Selective standards, including those in English, used in Teachers College apply to prospective vocational teachers. Students in these divisions will register in Teachers College for the fifth (graduate) year. For the work of this year see Requirements for the Five-Year Diploma.

MASTER OF EDUCATION DEGREE

In order to qualify for admission to candidacy for the Master of Education degree the candidate must have:

1. the Bachelor of Education degree or its equivalent;
2. credit for Education 340, 350, 390 and Psychology 351 (or equivalents), and the recommendation of the instructors in these courses for Education 380;
3. credit for Education 380 (Research and Thesis Writing) and the approval by a Qualifying Committee of a research project developed in this course;
4. passed a written examination in the major field of study; and
5. satisfied a qualifying committee in the selection of a thesis project.

The general requirements for graduate study are stated under the Graduate Division.
GRADUATE DIVISION

Graduate study in the University is under the supervision of a Committee on Graduate Study, which serves to coordinate such work in the various colleges. The chairman of this Committee should be consulted concerning programs of study. This regulation applies to all students with bachelor degrees from accredited institutions of higher learning, including candidates for advanced degrees, candidates for advanced teaching certificates, candidates for the Certificate in Social Work, and graduate students taking work to be applied to advanced degrees at other institutions.

THE MASTER'S DEGREE

The reduction, due to the war emergency, in the University staff and in the number and variety of courses limits the opportunities for graduate work leading to advanced degrees. In certain fields, however, there continue to be adequate provisions for graduate study, and a limited number of candidates for the Master's degree will be accepted.

The University awards three master's degrees: Master of Arts, Master of Science, and Master of Education.

Requirements. The minimum period of residence is one academic year or four six-weeks summer sessions.

Thirty semester hours of graduate study are required for the Master's degree. All work connected with the thesis must be registered for as thesis research (course number 400 in each major field). For thesis research the usual credit allowance is 6 hours, but a greater number may be allowed in the natural and physical sciences. At least 8 credits toward the Master's degree must be earned in courses primarily for graduate students (300-399). The remaining credits may be earned in courses numbered 200-299, but additional work must be done in such courses and a grade of A or B must be earned. All of the courses taken by the candidate should be in his major field of interest or in one or two closely allied fields. Candidates for the Master of Education degree are restricted to one minor of 6 to 10 credits. A reading knowledge of a foreign language is required in certain fields and, at the discretion of the qualifying committee, may be required of a candidate in any field.

Graduate work completed at other institutions may be accepted as fulfilling part of the requirements for the Master's degree. The maximum amount ordinarily accepted is 8 semester hours.

No credits earned in extension courses may be counted toward an advanced degree.

No credit is granted in thesis research courses (number 400 in each field) until the thesis has been accepted. Failure to make satisfactory progress on a thesis is not a basis for a valid claim to a refund of tuition fees.

Admission to Candidacy. Admission to candidacy for the Master's degree is granted only after a committee representing the special field in which a candidate proposes to work for an advanced degree is satisfied as to the adequacy of his preparation and his probable ability to pursue graduate work successfully. Additional requirements are stipulated for the Master of Education degree. (See page 48.)

The Thesis. A thesis is required of all candidates for the Master's degree. The thesis topic should be within the field of the major. It must be written in acceptable
English and show evidence of ability to conduct research intelligently and to arrive at logical conclusions. The topic must be approved by the committee which admits the student to candidacy and by the Committee on Graduate Study. Only after this approval has been granted and the candidate has registered for the thesis research course is a committee appointed to supervise the preparation of the thesis. A candidate expecting to receive the Master's degree in June must notify the chairman of the Committee on Graduate Study not later than February 20 and must submit copies of the completed thesis to the members of his committee for final checking by May 15.

The Final Examination. Arrangements for the final examination should be made at least six weeks prior to the end of the semester or summer session in which the candidate expects to receive the degree. The examination is conducted by the members of the candidate's advisory committee and any other persons especially designated. It is open to all faculty members. The examination is on the thesis, but may cover any fundamental knowledge required for the research work or necessary to the conclusions reached. If the results of the examination are satisfactory, a typewritten copy of the thesis and a carbon copy, both signed by the members of the examining committee, must be deposited in the Library to become the permanent property of the University. A fee for the binding of both copies must be paid to the University Business Office.

THE TEACHER'S PROFESSIONAL CERTIFICATE

The Department of Public Instruction of the Territory of Hawaii grants the Professional Certificate to teachers in the employ of the Department who complete the following work: a total of 30 semester hours of graduate work, 15 of which must be earned in courses primarily for graduates (300 to 399), including Philosophy of Education, History of Education, Advanced Educational Psychology, and Educational Administration.

THE SCHOOL OF SOCIAL WORK

Admission. Admission to the one-year program of Social Work is limited to graduate students selected by a committee of the faculty and representatives of cooperating social agencies. Students are expected to have completed a minimum of 30 semester hours of social science, including at least 5 semester hours in each of the following fields: economics, government, psychology, and sociology; and 12 semester hours in some one of these fields; or equivalents approved by the Director of the program. Upon completion of the program of work, students are awarded a Certificate in Social Work. The University offers juniors and seniors an orientation course in Social Work, and it is expected that students entering the School of Social Work from this University will have taken this course. Those who have not had such course, or its equivalent, must audit it concurrently.

Applicants for admission to the program must submit an application, an autobiographical sketch, and a transcript of any academic work taken at institutions other than the University of Hawaii. If an applicant is not known to the members of the qualifying committee, the Director will designate a person or persons residing in the applicant's community to interview him. The number of field work assignments available limits the number of students who can be accepted. Late applicants may be rejected because of the difficulty of arranging such assignments. Application forms may be procured from the Director of the School of Social Work.

Eligibility for admission is determined by (1) personal qualifications that promise future success in social work, (2) scholarship, (3) physical and mental health, and
(4) preprofessional training or experience. Notice of acceptance will be sent to successful applicants, and written corroboration of intention to register for the full year's program is requested.

Instructors may admit to individual courses a few qualified persons who have had experience in social work but do not intend to take the full program.

Field Work. Two semesters of field work are required of regularly enrolled students, and it is expected that they will take the field work course concurrently with the course in the theory of case work. Field work consists of 225 clock hours a semester of supervised case work in an approved social agency.
THE HAWAII AGRICULTURAL
EXPERIMENT STATION

By an Act of Congress in 1928, the University of Hawaii was empowered to set up a department to be designated as the Hawaii Agricultural Experiment Station and was entitled to receive the federal grants for agricultural research appropriated by the Congress for such experiment stations in each of the states. By provisions made at the same time, the federal experiment station, established in 1901 and known as the Pensacola Street Station, was to be gradually absorbed into the new station as the federal grant funds increased from year to year. This transition was completed in 1938. The history of the federal station is an inseparable part of the history of the Hawaii Agricultural Experiment Station, and the latter may also be said to share in the history and accomplishments of all the state land-grant colleges and experiment stations.

As in most mainland universities, where the agricultural experiment stations are closely associated with their universities or agricultural colleges, the facilities of the Hawaii station, including the research staff, the field laboratory, and the flocks and herds, may be available in part for undergraduate and graduate instruction. Thus students have unusual opportunities to come into close contact with the newer advances in agricultural research and to see and study their application. The close collaboration maintained with the experiment stations of the Hawaiian Sugar Planters’ Association and the Pineapple Producers Cooperative Association is of value in the agricultural research of all parties and in university instruction, for in Hawaii diversified agricultural interests must in most instances be integrated with those of the dominant crops.

The function of the Experiment Station is “to promote scientific investigation and experiments respecting the principles and applications of agricultural science” (Hatch Act of 1887). Because the two major agricultural industries of the Territory of Hawaii—sugar and pineapple—support their own experiment stations, little attention is given to these crops. Emphasis is placed upon animal husbandry, poultry production, agronomy, and horticulture—fields which are considered extremely important in themselves. Investigations cover the physiology of plants and animals; diseases, insects, and parasites; soils and soil chemistry; human and animal nutrition; breeding and genetics; as well as other research in culture or production. Scientific facts discovered may have broad application, for both individual farmers and the large plantations may receive benefit. Many plantations operate ranches, dairies, orchards, and gardens which contribute to the subsistence of the plantation families and add to the total plantation income. These diversified agricultural undertakings, as well as those of independent ranchers and farmers, constitute the wider background of the activities of the Experiment Station.

The Experiment Station is contributing much to the immediate war effort. Certain pieces of scientific apparatus have been lent to the armed forces, and technicians have been trained in their use. The Nutrition Department has furnished service and basic information to the Red Cross, the armed forces, and other agencies. Of especial importance, however, have been the contributions of the agriculturists to the defense food program. The research of the station has formed the basis for a rapid expansion of
production of all food and feed crops. Animal feeding trials with dairy cattle, poultry, and hogs have shown how local feeds can be used profitably in lieu of imported feeds if necessary. Investigations with yeast, molasses, ensilage, and urea indicate how imported feeds may be replaced by or supplemented with local products—and this with profit to the producer. Information concerning culture, control of disease and insects, and especially the use of mechanical equipment in planting, cultivation, irrigation, and harvesting of the major food crops, is proving of greatest value in the production of such crops on a scale never before attempted in the Territory.
The Cooperative Extension Service in Agriculture and Home Economics, conducted jointly by the University and the United States Department of Agriculture, is devoted to the advancement of agriculture in Hawaii and to the improvement of rural home life.

The Agricultural Extension Service maintains personal contacts with the rural population through its field staff of county farm agents, home demonstration agents, and their assistants. This staff, 38 in number, operates out of nine centers located as follows:

- On Kauai—Lihue
- On Oahu—Honolulu, Kaneohe, Wahiawa
- On Hawaii—Hilo, Captain Cook, Kohala
- On Maui—Kahului
- On Molokai—Kaunakakai

Instruction in modern farm and home practices is given by means of practical demonstrations before University Extension clubs of men and women and 4-H clubs of boys and girls. This group instruction is supplemented by farm visits and personal conferences on farm and home problems.

To carry to the rural population the results of scientific experiments conducted by the University of Hawaii Agricultural Experiment Station is an important phase of extension work.

Bulletins and circulars containing varied, timely information pertaining to farming and rural home life are issued from time to time by the thirteen specialists at the headquarters on the University campus. From this office the specialists also direct the activities of the agents in the field.

The Agricultural Extension Service in Hawaii is part of a nationwide service operating throughout the United States. Since its inception in 1928, the efforts of the staff members have been largely directed toward developing a greater degree of self-sufficiency in the food economy of the Territory. To this end the home demonstration agents have always given particular attention to teaching island housewives the uses and nutritive values of island produced foods.

After the establishment of martial law on December 7, 1941, extension workers were given the added responsibility of implementing and interpreting the orders of the Military Governor as they apply to the rural population. Three of the staff of specialists are now serving temporarily in the office of food production of the Office of Civilian Defense.

Funds for the maintenance of the Agricultural Extension Service are derived jointly from federal and territorial legislative appropriations.
ANNOUNCEMENT OF COURSES
FOR 1943-44

Courses are listed alphabetically by subject. Courses numbered 100 to 199 are lower division courses, intended primarily for Freshmen and Sophomores. Those numbered 200 to 299 are upper division courses, primarily for Juniors and Seniors but open to graduate students. Courses numbered 300 and higher are primarily for graduate students, but, unless otherwise stated, are open to seniors by consent of the instructor.

A schedule stating the time and place of meeting of all courses is issued by the registrar in September for the first semester, in January for the second semester, and in April for the summer session.

Persons wishing to audit courses should see the statement on Admission of Auditors.

Agriculture

Several courses in Agriculture alternate with others the following year. See any two consecutive catalogues.

100 ORIENTATION COURSE
   Mr. Wadsworth
   First semester; no credit.
Lectures to acquaint the student with the fields of agriculture in Hawaii and to help him select a major field of study.

151 ANIMAL HUSBANDRY
   Mr. Henke
   Second semester; 3 credits.
A general study of the important breeds of horses, cattle, sheep, and swine; their care and management. Lectures, assigned readings, and laboratory work. Laboratory fee $1.

152 POULTRY HUSBANDRY
   First semester; 3 credits.
Elementary anatomy of digestive and reproductive systems, genetics of egg production, and principles of poultry husbandry. Two lectures and one laboratory period a week. Laboratory fee $1.

164 TRUCK CROP PRODUCTION
   Mr. Frazier
   First semester; 3 credits.
Origin, description, and cultural requirements of the more important vegetable crops in Hawaii. Two lectures and one laboratory period a week. Prerequisites: Chemistry 103, Botany 100, and Zoology 100.

250 SOILS
   Mr. Wadsworth
   First semester; 4 credits.
Origin and physical properties of local soils. Texture, structure, and moisture relations. Three lectures and one laboratory period a week. Prerequisites: Chemistry 103 and Physics 102. Laboratory fee $2.

254 PRINCIPLES OF GENETICS
   Mr. Storey
   First semester; 3 credits.
Fundamentals of genetics, including principles of Mendelian and Neo-Mendelian inheritance, physical basis of heredity, variation, and an introduction to biometric methods. Two lectures and one laboratory period a week. Prerequisites: Botany 100 and Zoology 100.

[55]
ANNOUNCEMENT OF COURSES

256 PRINCIPLES OF AGRONOMY
   Mr. Ripperton
   Second semester; 3 credits.
   Field crops; their distribution, character, culture, utilization, and improvement. Two lectures and one laboratory period a week. Prerequisites: Chemistry 103, Botany 100, and Zoology 100. Laboratory fee $1.

257 FEEDS AND FEEDING
   Mr. Henke
   Second semester; 3 credits.
   Principles of feeding and their application to farm and plantation animals.

259 POULTRY HUSBANDRY
   First semester, and continued into second semester upon consent of instructor; credit by arrangement. Special problems in poultry husbandry research; individual work.

261 BEEF AND SWINE PRODUCTION
   Second semester; 3 credits.
   The breeds, care, management, and feeding of beef cattle and swine, with particular reference to Hawaiian conditions. Two lectures and one laboratory or study period a week. Laboratory fee $1.

264 SEMINAR IN ANIMAL NUTRITION
   Second semester; 1 credit.
   Mr. Henke
   Recent investigations in animal nutrition; oral reports by students on special topics after a review of literature. Prerequisites: Agriculture 257, sufficient training in chemistry, and consent of instructor.

265 AGRICULTURE THESIS
   Staff
   Credit by arrangement.
   Advanced individual work in field, laboratory, and library.

271 SCHOOL AND HOME GARDENING
   Mr. Armstrong
   First semester; 2 credits; repeated second semester.
   Designed to develop ability to conduct home and school gardens; study of fertilizers, insect control, and plant propagation. For prospective elementary school teachers.

291 IRRIGATION PRACTICE
   Mr. Wadsworth
   Second semester; 4 credits.
   Irrigation in its relation to crop production; development, distribution, and measurement of water; soil-moisture and its effect on plant growth. Three recitations, one laboratory period a week. Prerequisite: junior standing. Laboratory fee $1.

300 DIRECTED RESEARCH
   Staff
   First semester, credit by arrangement; repeated second semester.
   Directed research in (a) genetics—Mr. Storey, (b) soil chemistry—Mr. Ayres, (c) soil physics—Mr. Wadsworth, (d) tropical horticulture—Mr. Beaumont.

Anthropology

Certain courses in sociology may be used for credit in anthropology.

150 INTRODUCTION TO THE STUDY OF MAN AND SOCIETY
   Mr. Hörmann
   First semester; 3 credits.
   The development of man; race and race relations; the growth of culture; communication.

300 DIRECTED READING AND RESEARCH
   Mr. Hörmann
   Credit by arrangement.
   Prerequisite: consent of instructor.
Certain of these courses may be repeated for credit if the consent of the instructor is obtained.

The University reserves the right to retain any student work which may be needed for exhibition or for the art department files.

150-151 BEGINNIGN DESIGN Mr. Luquiens, Mrs. Fisher
Year course; 2 credits each semester.
Elements of design and composition; line, mass, color, etc.; exercises in various design styles to stimulate appreciation and to provide background for advanced work. This course, or the equivalent in experience, is prerequisite to all advanced study.

154-155 FREEHAND DRAWING AND BEGINNING PAINTING Mr. Luquiens
Year course; 2 credits each semester.
First semester: freehand perspective. Second semester: three-dimensional form in charcoal and water color.

171 ART IN THE HOME Mrs. Fisher
First semester; 2 credits.
Primarily an appreciation course; the application of design to the everyday arrangements and furnishings of the household. Lectures and some drawing. Prerequisite: Art 150-151.

172 INTERIOR DECORATION Mrs. Fisher
Second semester; 2 credits.
Design, arrangement, and color of furniture, hangings, etc., in relation to wall and floor space. Shop and museum excursions. Prerequisite: Art 150-151.

180-181 PAINTING Mr. Luquiens
Year course; 2 credits each semester.
Study of form, color, and design in oils or water color. Prerequisites: Art 150-151 and 154-155, or consent of instructor. Studio fee $3 second semester.

254-255 ORIENTAL ART Mr. Lee
Year course; 2 credits each semester.
The arts of different periods in India, China, Korea, and Japan. Illustrated lectures, assigned readings, and visits to Honolulu Academy of Arts.

261 CREATIVE ART FOR THE PRESCHOOL AND PRIMARY YEARS Mrs. Spurkel
First semester; 2 credits.
Designed to provide a working knowledge of tools, materials, and processes in the work of the primary years. Limited to 30 students. Laboratory fee $1.

262 CREATIVE ART FOR THE UPPER ELEMENTARY YEARS Mrs. Spurkel
Second semester; 2 credits.
Designed to provide a working knowledge of tools, materials, and processes in the work of the upper elementary years. Limited to 30 students. Laboratory fee $1.

263 CREATIVE ART FOR THE SECONDARY SCHOOL YEARS Mrs. Spurkel
First semester; 2 credits; repeated second semester.
Similar to Art 262 but with emphasis upon the work of the secondary school years. Limited to 30 students. Laboratory fee $1.

280-281 PAINTING Mr. Luquiens
Year course; 2 credits each semester.
Continuation of Art 180-181. Studio fee $3 second semester.

286-287 MODERN PAINTING AND DESIGN Staff
Credit by arrangement.
Criticism and guidance in work of the advanced student's own choosing, subject to the instructor's advice. Prerequisite: consent of instructor.
ANNOUNCEMENT OF COURSES

Bacteriology

151 GENERAL BACTERIOLOGY
First semester; 4 credits; repeated second semester.
The physiology, culture, and differentiation of bacteria. Emphasis upon medical aspects. Recommended for students who are preparing for nursing, medicine, and technical laboratory work. Two lectures and 2 laboratory periods a week. Prerequisite: Botany 100 or Zoology 100. Laboratory fee $5.

156 PUBLIC HEALTH BACTERIOLOGY
First semester; 2 credits; repeated second semester.
Basic principles of bacteriology in relation to dairying, water sanitation, sewage disposal, disinfection, communicable diseases, and immunity.

200 BACTERIOLOGICAL PROBLEMS
First semester; credit by arrangement; repeated second semester.
Pursuit of any advanced bacteriological problem; reading and laboratory work. May be taken repeatedly. Prerequisite: junior or senior standing and consent of instructor. Laboratory fee $1.

260 MEDICAL BACTERIOLOGY
First semester; 3 credits.
The role of microorganisms in the communicable diseases of man and animals with emphasis upon modes of transmission, prophylactic, therapeutic, and epidemiological aspects. Recommended for students who are preparing for nursing, medicine, and public health work. Prerequisite: Bacteriology 151 or its equivalent.

262 LABORATORY IN MEDICAL BACTERIOLOGY
First semester; 2 credits.
A detailed study of the important bacteriological techniques concerned in the diagnosis of communicable diseases. Recommended for those students planning for technical laboratory positions. Two laboratory periods a week. Prerequisite: credit or concurrent registration in Bacteriology 260. Laboratory fee $5.

360 IMMUNOLOGY
Second semester; 3 credits.
Natural, active, and passive types of immunity, sera, vaccines, and antitoxins. Technique of major diagnostic serological reactions. Two lectures and one laboratory period a week. Prerequisite: Bacteriology 260. Laboratory fee $5.

Botany

100 BOTANY
First semester; 4 credits; repeated second semester.
Survey of the plant kingdom, with emphasis upon structure in relation to function, function in relation to habitat, habitat and heredity in relation to evolution, attributes of plant life in relation to man. This course and Zoology 100 comprise an introduction to the biological sciences. Two lectures and two laboratory periods a week. Laboratory fee $3 a semester.

102 SYSTEMATIC BOTANY OF FLOWERING PLANTS
First semester; 3 credits.
Native and exotic Hawaiian flowering plants, their classification, history, distribution, use; synopsis of Monocotyledons; preparation of a herbarium. One lecture and 2 laboratory periods a week. Prerequisite: Botany 100. Laboratory fee $2.

105 ECONOMIC PLANTS OF HAWAII AND POLYNESIA
First semester; 2 credits; repeated second semester.
The cultivated and wild plants used in ancient and in modern times by the Hawaiians and Polynesians. Nature of these economic plants and their use for food, drink, fabric, dye, medicine, and utensils.
161 Plant Geography
Mr. St. John
First semester; 2 credits.
Plant distribution throughout the world; vegetation of forests, grasslands, deserts, tundra, mountains, and oceans; special attention to origin, development, ecology, and economic importance.

173 Elementary Plant Physiology
Mr. Engard
Second semester; 4 credits.
Introduction to plant physiology; osmosis, absorption of water, transpiration, mineral utilization, photosynthesis, storage, digestion, respiration, growth, photoperiodism. Three lectures and one laboratory period a week. Prerequisites: Chemistry 103, Botany 100 and Zoology 100, or the equivalent. Laboratory fee $3.

200 Botanical Problems
Staff
First semester; credit by arrangement; repeated second semester.
Pursuit of any advanced botanical problem; reading and laboratory work. May be taken repeatedly. Prerequisite: consent of instructor. Laboratory fee $1.

202 Taxonomy and Exploration
Mr. St. John
Second semester; 3 credits.
Taxonomy of Hawaiian vascular plants, their occurrence and use; account of botanical exploration of Hawaii; literature on Pacific floras. One lecture and 2 laboratory periods a week. Prerequisite: Botany 102. Laboratory fee $2.

300 Botanical Research
Staff
Credit by arrangement.
Prerequisites: graduate standing and consent of instructor. Laboratory fee $1 each semester.

351 Plant Physiology Seminar
Mr. Clements
Second semester; 1 credit.
Discussion of topics of particular interest to the group. May be repeated several times.

Business

150-151 Elementary Accounting
Year course; 3 credits each semester.
Fundamental principles, including the accounting problems of single proprietorships, partnerships, and corporations. Prerequisite: sophomore standing in the Department, or consent of instructor.

161 Elementary Business Law
Mr. Hoeber
First semester; 3 credits.
Nature and sources of law; judicial procedure; brief survey of business law, emphasizing contracts and the historical, social, and preventive aspects of principles discussed. Prerequisite: sophomore standing.

250-251 Intermediate Accounting
Year course; 3 credits each semester.
The balance sheet; form, content, and such related problems as depreciation and valuation of assets; mergers and the construction of consolidated statements. Prerequisites: Economics 150-151, and a grade of C or better in Business 150-151.

255 Analysis of Financial Statements
Mr. Graham
First semester; 2 credits.
Analysis of the balance sheet and profit and loss account from the standpoint of the data to be derived from them bearing on the financial standing of business units as investment and credit possibilities. Prerequisites: (1) credit or concurrent registration in Business 150-151; and (2) Economics 150-151 or consent of instructor.
ANNOUNCEMENT OF COURSES

265 CORPORATION FINANCE
Second semester; 3 credits.
Determination of capital requirements; sources and devices used to procure capital; marketing securities; control of capital disbursements; credit and income. Prerequisites: Economics 150-151 and Business 150-151 or consent of instructor.

266 INVESTMENTS AND INVESTMENT BANKING
First semester; 3 credits.
Economic theory and tests of investment; personnel of investors; investment credit-analysis; mathematics of investment; tools of investment; types of investment institution and their functioning. Prerequisites: Economics 150-151 and Business 150-151 or consent of instructor.

270-271 PRINCIPLES OF MARKETING
Year course; 3 credits each semester.
General survey of the marketing structure, emphasizing marketing functions and channels, market analysis and research, and marketing policies. Prerequisites: Economics 150-151 and Business 150-151 or consent of instructor.

280 ELEMENTS OF SELLING
Second semester; 3 credits.
Types of salesmanship; buying motives; personal sales methods; sales management—product, market, marketing methods, sales force, sales promotion, and adjustment of product to market. Prerequisite: Economics 150-151 and credit or concurrent registration in Business 270-271 or consent of instructor.

286 LAW OF SALES AND NEGOTIABLE INSTRUMENTS
Second semester; 3 credits.
Formation of, and rights and duties growing out of, contracts for the sale of personal property; law of bank checks, bills of exchange, promissory notes. Prerequisite: C or better in Business 161, or consent of instructor.

299 INDEPENDENT STUDY
Year course; 3 credits each semester.
Prerequisite: consent of instructor.

Chemistry

103 GENERAL CHEMISTRY
Year course; 4 credits each semester.
A comprehensive survey of inorganic chemistry with an introduction to organic chemistry. Three lectures or discussions and one laboratory period per week. Laboratory fee $7 each semester.

130 AGRICULTURAL CHEMISTRY
First semester; 3 credits.
An introductory survey of chemistry in its relation to agriculture, dealing with plant materials, plant nutrition, soils, fertilizers, insecticides, stock feeds, dairy products, etc. Prerequisite: Chemistry 103.

149 ORGANIC CHEMISTRY
Year course; 4 credits each semester.
A survey of the chemistry of carbon compounds and applications to practical problems of industry, agriculture, nutrition, and medicine. Three lectures and one laboratory period per week. Prerequisite: Chemistry 103. Laboratory fee $9 each semester.

150 QUALITATIVE ANALYSIS
First semester; 4 credits.
Systematic qualitative analysis covering detection of common basic and acidic ions by macro and semi-micro methods; theory of analytical procedures. Two lectures and two laboratory periods per week. Prerequisite: Chemistry 103. Laboratory fee $8.
171 COLLOIDAL CHEMISTRY

*Second semester; 3 credits.*

A theoretical study of the colloidal state of matter and applications in the fields of industry, agriculture, foods, and medicine. Designed to follow Chemistry 150. Two lectures and one laboratory period per week. Prerequisite: Chemistry 150. Laboratory fee $8.

203 FUNDAMENTALS OF CHEMISTRY APPLIED TO PROBLEMS OF WAR AND DEFENSE

*Second semester; 2 credits.*

Chemical weapons, war gases, smokes and incendiaries, poisons, water, foods, sanitation. Prerequisite: One semester of Organic Chemistry.

211 PHYSICAL CHEMISTRY

*Year course; 3 credits each semester.*

An advanced course in fundamental theories and principles of chemistry. Prerequisites: Chemistry 149 and 230; concurrent registration in Chemistry 212.

212 PHYSICAL CHEMISTRY LABORATORY

*Year course; 1 credit each semester.*

Methods of physical chemistry and practice in the use of physical instruments including the colorimeter, turbidimeter, viscosimeter, spectroscope, polariscope, refractometer, fluorophotometer, dilatometer, polarograph, and potentiometer. One laboratory period per week. Prerequisite: credit or concurrent registration in Chemistry 211. Laboratory fee $6 each semester.

230 QUANTITATIVE ANALYSIS

*Year course; 4 credits each semester.*

Principles of gravimetric and volumetric analysis, colorimetric and electrometric pH determinations. Two lectures and two laboratory periods per week. Prerequisites: Chemistry 103 and 150. Laboratory fee $8 each semester.

249 ADVANCED ORGANIC CHEMISTRY

*First semester; 4 credits.*

A study of organic type reactions and syntheses illustrated by laboratory preparations requiring special techniques. Two lectures and two laboratory periods per week. Prerequisites: Chemistry 149 and 230. Laboratory fee $9.

250 ORGANIC ANALYSIS

*Second semester; 4 credits.*

The technique of qualitative and quantitative organic analysis, including macro, semi-micro, and micro methods. Two lectures and two laboratory periods per week. Prerequisites: Chemistry 149 and 230. Laboratory fee $9.

260 BIOCHEMISTRY

*First semester; 4 credits.*

A study of the chemistry of biological systems, animal and plant, with emphasis on the chemistry of foods, their digestion and metabolism. Principles and procedures of quantitative analysis utilized extensively in the laboratory work. Designed for students majoring in biology, agriculture, home economics, or chemistry. Three lectures and one laboratory period per week. Prerequisite: one semester of Organic Chemistry. Laboratory fee $6.

330 CHEMICAL ANALYSIS IN AGRICULTURE

*Year course; 4 credits each semester.*

A course designed to give the student advanced training in quantitative analytical methods applied to products and materials of Hawaiian agriculture. Procedures based primarily upon macro and micro “Methods of Analysis” of the Association of Official Agriculture Chemists and applied to plant materials, sugar, pineapple, soils, fertilizers, insecticides, and water. Two lectures and two laboratory periods per week. Prerequisites: Chemistry 149 and 230. Laboratory fee $8 each semester.
ANNOUNCEMENT OF COURSES

Chemistry as Applied to Sugar Technology

Courses usually listed in this category will be given as required by students following a program in sugar technology.

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Chinese

100 FIRST-YEAR CHINESE Mr. Lee
Year course; 3 credits each semester.
Study of some 500 basic Chinese characters; reading and writing the characters; grammar and sentence construction.

101 SECOND-YEAR CHINESE Mr. Lee
Year course; 3 credits each semester.
Study of additional basic Chinese characters; sentence construction, conversation, and translation.

260-261 GREAT THINKERS OF CHINA Mr. Lee
Year course; 3 credits each semester.
Study of the writing in English translation of the great leaders of thought and action from Confucius to Sun Yat-sen.

293-294 METHODS AND BIBLIOGRAPHY IN CHINESE STUDIES Mr. Taam
Year course; 3 credits each semester.
Study of the main fields of Chinese research, the special methods evolved, and the principal sources of bibliographical information. Prerequisite: junior standing.

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Dental Hygiene

200 TOOTH MORPHOLOGY Mrs. Bickerton
Year course; 1 credit each semester.
Designed to provide the student with an opportunity to carve a full complement of models: anterior and posterior teeth showing general form, cusps, planes, and angles.

235 DENTAL OPERATIVE TECHNIQUE Mrs. Bickerton
Year course; 2 credits each semester.
Instruction and practice work on manikin heads in the technique of instrumentation and polishing. The proper manipulation of instruments for the removal of accretions, deposits, and stains, and the use of all instruments in the field of dental hygiene are mastered.

251 DENTAL ANATOMY
Second semester; 3 credits.
A study of the anatomical and chemical structure of the teeth, anatomy of bones forming the oral cavity, soft palate, throat, muscles of mastication, lip, tongue, floor and other boundaries of the oral cavity.

252 DENTAL PROPHYLAXIS
Second semester; 1 credit.
A study of the prophylactic treatment of the mouth with special attention to those measures which can be employed to prevent or arrest dental caries and adjacent-tissues, degeneration. The tooth brush, its selection, sterilization, and use are also considered.

254 CLINICAL PRACTICE Mrs. Bickerton
Year course; 5 credits each semester.
Clinical prophylactic practice under supervision.
256 **DENTAL CARIES**  
*Second semester; 2 credits.*  
A consideration of the causation, progress, and sequelae of caries. Preventive measures. Composition, location, differentiation, and causes of accretions, deposits, and stains found upon the teeth. Their harmful results and preventive measures.

258 **DENTAL HISTOLOGY**  
*Second semester; 1 credit.*  
A course embracing the sequential steps in the formation of the primary tissues. Special consideration will be given to the study of the origin and classification of dental tissues, enamel, dentine, cementum, pulp, and all the soft tissues of the oral cavity. Microscopical examinations, drawings, and slides will be used as means of illustration.

260 **ORAL PATHOLOGY**  
*First semester; 1 credit.*  
The fundamentals of general pathology and its specific application to the diseases of the mouth. Mouth manifestations of communicable diseases. Alveolar abscess, fistulæ, glandular involvement. Granulomas and systemic involvement—pyorrhea, gingivitis; diagnosis, causes, and prognosis.

262 **MATERIA MEDICA**  
*First semester; 2 credits.*  
A study of the derivation and effects of the drugs most commonly used in dentistry. A general discussion of the relative values of germicides, antiseptics, and disinfectants; analysis of the formulæ of dentifrices and mouth washes.

264 **MALOCCLUSION AND RADIOGRAPHY**  
*First semester; 2 credits.*  
Etiology, individual malposed teeth and Angle's classification are features of this course. The student is also made familiar with the X-Ray machines, tubes, and radiographs. Lantern slides, models, etc., are used for illustration.

290 **FIELD PROBLEMS IN DENTAL HYGIENE**  
*Second semester; 1 credit.*  
Consideration of the varied types of problems met in field practice: adjustment to schools, principals, and teachers; community relations; travel, living accommodations, and professional ethics.

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**Economics**

Economics 150-151 is prerequisite to all other courses in economics except Economics 223.

150-151 **PRINCIPLES OF ECONOMICS**  
*Year course; 3 credits each semester.*  
Principles underlying consumption, production, exchange, and distribution of wealth; analysis of important current economic problems. Prerequisite: sophomore standing, or consent of instructor.

223 **HISTORY OF ECONOMIC INSTITUTIONS**  
*Year course; 3 credits each semester.*  
Population and agricultural changes; labor and manufacturing systems; transportation, trade, money, banking, and credit developments; emphasis on causes and effects of changes. Prerequisite: junior standing or consent of instructor.

256 **MONEY, CREDIT, AND PRICES**  
*First semester; 3 credits.*  
Nature, history, and kinds of money; characteristics of credit; monetary system of the United States; monetary standards; value of money; relation of money and credit to prices. Required of all majors.
257 BANKING  
Mr. Cameron  
Second semester; 3 credits.
Nature and history of banking; the banking system of the United States, including commercial banks, trust companies, savings banks, and related banking institutions. Required of all majors.

261 PUBLIC FINANCE  
Mr. Hoeber  
First semester; 3 credits.
Public expenditures: extent, purposes, determinants, effects; public revenue; public domains and industries, fees, assessments, charges, taxation, public credit; fiscal administration.

266 WAR ECONOMICS  
Mr. Hoeber  
First semester; 3 credits.
Economic factors in war; man power, materials, and production facilities; war-time demand and production; price movements, price control, rationing and priorities; war finance; labor problems; international economic relations; economic demobilization; post-war economic problems.

276 TRUSTS AND INDUSTRIAL COMBINATIONS  
Mr. Cameron  
First semester; 3 credits.
Problem and causes; forms of legal organization: simple agreement, pool, combination trust, community of interest, holding company and consolidation; economic and social effects; government control.

277 MACHINE SOCIETY  
Mr. Cameron  
Second semester; 3 credits.
Nature, origin, and history of the machine; economic, social, and political effects.

299 INDEPENDENT STUDY  
Staff  
Year course; 3 credits each semester.  
Prerequisite: consent of instructor.

300 READING AND RESEARCH  
Staff  
Year course; 3 credits each semester.  
Prerequisites: graduate standing and consent of instructor.

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Education

Enrollment in Education courses is restricted to students in Teachers College except by special permission of the Dean of the College.

200 DIRECTED READING  
Staff  
Credit by arrangement.  
Individual reading in the field of Education. Prerequisite: consent of instructor and Dean of Teachers College.

235 PARTICIPATION TEACHING  
Mr. Sayers, Miss E. Smith, Miss J. Smith  
Year course; 1 credit each semester.  
Students assigned as assistants to teachers in public schools; practical experience, observation, and illustrative material for Education 250-251, 283-284, and 285-286.

250-251 SECONDARY EDUCATION  
Year course; 3 credits each semester.  
Background and development; adolescence; functions and objectives; curricula; teaching techniques; organization and planning of materials; statistical techniques and evaluation; principles of organization and administration.

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253 Practice Teaching in Home Economics
First semester; 6 credits; repeated second semester.
Miss Douglass
Observation, supervised teaching, and conferences. Prerequisites: senior standing and credit or concurrent registration in Home Economics 251.

254 Practice Teaching
First semester; 10 credits; repeated second semester.
Miss Caro, Miss J. Smith, and Staff
Teaching duty supervised by staff members of Teachers College Elementary and Intermediate School.

255 Practice Teaching Conference
First semester; 2 credits; repeated second semester.
Mr. Sayers
Discussion of problems arising from immediate experience as classroom teachers.

261 Educational Measurements
First semester; 2 credits; repeated second semester.
Miss M. Smith
Use of informal and standardized tests in school work; practice in scoring such tests and interpreting the results.

283-284 Child Development
Year course; 3 credits each semester.
Miss J. Smith
The physical, mental, emotional, and social aspects of the development of young children.

285-286 Elementary Education
Year course; 3 credits each semester.
Miss E. Smith
Problems of elementary education arising from contrasting views and practices.

300 Reading or Research
Credit by arrangement.
Staff
Individual reading or research. Prerequisites: graduate standing and consent of Dean of Teachers College and of instructor concerned.

340 Philosophy of Education
First semester; 4 credits; repeated second semester.
Mr. Sayers
Philosophy and science in education; the American democratic social tradition; basic views of human behavior; improvement of life; reconstruction in education.

345 Seminar in Philosophy of Education
First semester; 2 credits; repeated second semester.
Mr. Sayers
Social and psychological theory involved in controversial educational issues. Prerequisites: Education 340 or equivalent, and consent of instructor. May be repeated for credit by permission of instructor.

350 History of Education
First semester; 4 credits; repeated second semester.
Survey of educational thought as a basis for the study of modern school practices.

354 Interns Teaching
First semester; 14 credits; repeated second semester.
Mr. Sayers
Full-time teaching under special supervision in selected public schools. Restricted to fifth-year students.

380 Research and Thesis Writing
First semester; 2 credits; repeated second semester.
Mr. White
Research techniques and thesis development; designed to assist students in thesis preparation. Prerequisite: consent of instructor.

390 Public School Administration
First semester; 2 credits; repeated second semester.
Mr. Wist
State and territorial organization for administrative control of public education; federal relations; Hawaiian school law and Department of Public Instruction regulations.
ANNOUNCEMENT OF COURSES

395 SEMINAR FOR INTERNE TEACHERS
Mr. Sayers
First semester; 2 credits; repeated second semester.
Problems arising from immediate experiences as classroom teachers. Restricted to fifth-year students.

Engineering

C.E. 101 PLANE SURVEYING
Mr. Webster
Year course; 3 credits each semester.
Use of chain, tape, level, and transit; map plating and computations; Hawaiian land descriptions. One lecture and 2 field or drafting periods weekly. Prerequisites: credit or concurrent registration in Mechanical Drawing 101 and Mathematics 151. Laboratory fee: $2 each semester.

C.E. 151 GRAPHICAL STATICS
Mr. Keller
Second semester; 2 credits.
Determination of stresses in framed structures by the graphical method; stresses in roof and bridge trusses under vertical and inclined loads. Prerequisite: Mechanical Drawing 101.

C.E. 153 ROADS AND PAVEMENTS
Mr. Webster
Second semester; 2 credits.
Construction and maintenance of various types of city streets and rural highways. Prerequisites: Civil Engineering 101 and Mechanical Drawing 101.

C.E. 227 ROUTE SURVEYING
Mr. Webster
Year course; 3 credits each semester.
Reconnaissance; preliminary survey; paper location; curve computations; field location; platting profiles; determining grade lines; earthwork computations for location of railroad or highway. One 7-hour continuous period a week. Prerequisites: Civil Engineering 101, 153, and Mathematics 155.

C.E. 229 MUNICIPAL ENGINEERING
Mr. Keller
Year course; 3 credits each semester.
City water supply; waterworks; fire protection; methods of treating water used for a public supply; sewage and garbage disposal; sewage treatment; disposal of storm water.

C.E. 252 ANALYTICAL AND APPLIED MECHANICS
Mr. Keller
First semester; 4 credits.
Effect of forces on bodies, both at rest and in motion. Prerequisite: Mathematics 155.

C.E. 253 STRUCTURAL MECHANICS
Mr. Keller
Second semester; 4 credits.
Action and effect of internal stresses in bodies and members of structures. Prerequisite: Civil Engineering 252.

C.E. 255 HYDRAULICS
Mr. Keller
Year course; 3 credits each semester.
Water pressure, strength of pipe, stability of gravity dams; water flow through orifices, nozzles, and weirs; manometers, Pitot tubes and Venturi meters; steady flow in pipes and open channels. Prerequisites: credit or concurrent registration in Civil Engineering 252 and 253.

C.E. 276 STRUCTURAL DESIGN
Mr. Keller
First semester; 3 credits.
Stress computation and design of plate girders and steel building trusses and other structural members; complete detail drawings and specifications carefully supervised and checked. Prerequisite: Civil Engineering 253.
C.E. 277 Bridge Design  
Second semester; 3 credits.  
Mr. Keller
Design of a single track through bridge for a given conventional loading, including all computations, drawings, and specifications. Prerequisite: Civil Engineering 276.

C.E. 279 Concrete and Masonry Structures  
Year course; 3 credits each semester.  
Mr. Keller
Elementary theory of reinforced concrete, beams, columns, footings, retaining walls; in the second semester, design of floor systems for buildings, bins, reservoirs, combined footings, highway bridges, miscellaneous structures. Prerequisites: Civil Engineering 252 and 253.

M.D. 101 Mechanical Drawing  
Year course; 2 credits each semester.  
Mr. Okubo
Elements of drafting, sketching, lettering; isometric, oblique, and cabinet drawing; working drawings, conventions, standards, tracing and blueprinting. Two 3-hour, or three 2-hour laboratory periods a week. Cost of instruments and materials about $30.

M.D. 152 Descriptive Geometry  
First semester; 2 credits.  
Mr. Watanabe
Geometry of engineering drawing; analysis and design of structures; intersections and development of surfaces. Prerequisite: Mechanical Drawing 101.

M.E. 202 Materials of Engineering and Laboratory  
First semester; 3 credits.  
Mr. Keller
Properties of cements, limes, plasters, and plain and reinforced concrete; methods of manufacture and standard tests for quality; testing cements, concretes, reinforced concrete, and aggregates used in making concrete; operation and calibration of testing machines. Prerequisite: Mathematics 155 and Mechanical Drawing 152. Laboratory fee $2.50.

M.E. 203 Materials of Engineering and Laboratory  
Second semester; 3 credits.  
Mr. Keller
A continuation of M.E. 202; properties and requirements of wood, iron, steel, and other metals; various tests of timber and metals. Prerequisite: Mechanical Engineering 202. Laboratory fee $2.50.

M.E. 282 Steam Machinery  
First semester; 3 credits.  
Mr. Keller
Fundamental laws governing transformation of heat into work; properties of gases, laws of expansion, heat measurement, mechanical equivalent of heat, properties of steam, steam tables. Prerequisites: Mathematics 155 and Physics 102.

M.E. 283 Diesel Engines  
Second semester; 2 credits.  
Mr. Keller
Elementary thermodynamics of the Diesel engine; comparison of various types; mechanical and thermodynamic characteristics of commercial Diesels from the literature of the manufacturers. Prerequisite: Mechanical Engineering 282 or consent of instructor.

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English

English 100 or 102 is prerequisite to all other English courses except English 130, 134, and 160.

English 150 or the equivalent is prerequisite to all literature courses numbered 200 or higher.

100 Composition  
Year course; 3 credits each semester.  
Staff
Principles and practice of composition; conferences for personal criticism. Required of all freshmen in the University.
102 COMPOSITION  
Year course; 3 credits each semester.  
Miss Schwartz  
Parallels English 100, but stresses writing and reading rather than the mechanics of composition; restricted to students making high scores in entrance examination.

120-121 WRITING FOR PUBLICATION  
Year course; 2 credits each semester.  
Mr. Orne  
Reader-interest the basis of successful newspaper and magazine writing; making readers see, feel, understand; speeches, interviews, personal sketches. Prerequisite: B in English composition or consent of instructor. Admittance in second semester by consent of instructor.

130 FUNDAMENTALS OF PUBLIC SPEAKING  
First semester; 3 credits; repeated second semester.  
Mr. Trapido  
The fundamentals of action projection; self control before audiences; outlining and speech organization. Platform speaking throughout the course.

134 VOICE AND DICTIO
d  
Year course; 2 credits each semester.  
Mr. Ernst  
Intensive training in speech fluency, speech tune, rhythm, articulation, and enunciation, and the oral interpretation of poetry and prose.

135 ORAL EXPRESSION  
First semester; 3 credits; repeated second semester.  
Mrs. Bukeley  
Designed to develop fluency and expressiveness in varied speech situations. Emphasis upon voice production and the sounds and rhythm of English speech. Open only to students in Teachers College.

136 PHONETICS  
Year course; 1 credit each semester.  
Staff  
A basic course in the sounds of English. Presentation of the elements of language; background for later work in teaching methods; foundation for the speech of the student himself; drill where necessary.

137 ORAL INTERPRETATION  
Year course; 1 credit each semester.  
Staff  
A course designed to develop rhythm, fluency, correct sounds, and the patterns of speech in the language usage of prospective teachers.

150 INTRODUCTION TO ENGLISH LITERATURE  
Year course; 3 credits each semester.  
Staff  
A survey of English literature from Beowulf to Wells; required of English majors. Prerequisite: English 100 or 102.

152 INTRODUCTION TO LITERATURE  
Year course; 3 credits each semester.  
Mr. Coale  
Development of critical standards in literature; knowledge of reading resources; literature as an interpretation of life. Open only to students in Teachers College.

200 DIRECTED READING  
Year course; credit by arrangement.  
Staff

240 SPEECH IMPROVEMENT LABORATORY  
First semester; 1 credit; repeated second semester.  
Staff  
Observation of speech classes and training in classroom techniques. Open only to students in Teachers College.

255-256 DRAMATIC LITERATURE  
Year course; 3 credits each semester.  
Mr. Ernst  
First semester, European drama to Ibsen; second semester, contemporary European and American drama.

260-261 AMERICAN LITERATURE  
Year course; 3 credits each semester.  
Mr. Stroven  
A chronological survey of American literature from colonial times to the 20th century; special attention to the main currents of American thought and culture.
280-281 THE SEVENTEENTH CENTURY
Year course; 3 credits each semester.
First semester, prose and poetry of the seventeenth century; second semester, Milton.

288 CONTEMPORARY EUROPEAN AND AMERICAN LITERATURE
Year course; 3 credits each semester.
Representative works of the leading European and American novelists and poets since 1890.

290-291 ENGLISH IN THE ELEMENTARY SCHOOL
Year course; 3 credits each semester.
Reading and the creative phases of expression; problems of usage and speech, especially as found in Hawaii. Open only to students in Teachers College.

292-293 ENGLISH IN THE SECONDARY SCHOOL
Year course; 3 credits each semester.
Reading and literature emphasized in the first semester, and language and composition in the second semester. Open only to students in Teachers College.

294 LITERATURE FOR THE ELEMENTARY SCHOOL
First semester; 2 credits; repeated second semester.
Literature suitable for children in grades 1 to 6; materials for the primary years emphasized in the first semester, and for the upper elementary years in the second semester. Open only to students in Teachers College.

296 LITERATURE FOR YOUNG CHILDREN
First semester; 2 credits; repeated second semester.
Literature suitable for children of the preschool and early primary years. Open only to students in Teachers College.

299(a) TECHNIQUES OF SPEECH IMPROVEMENT IN THE ELEMENTARY SCHOOL
First semester; 2 credits.
The general speech problems of schools in Hawaii, materials adapted to primary and elementary grades, and techniques for their application.

300 DIRECTED RESEARCH
Year course; credit by arrangement.
Directed research in (a) American literature, (b) English literature, (c) Speech. May be repeated until an aggregate of 6 credits has been earned.

302 THE SPEECH CLINIC
Year course; 2 credits each semester.
Supervised practice in the correction of defective speech. Prerequisites: English 297 and 299(a), or their equivalent. May be repeated until an aggregate of 6 credits has been earned.

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French

100 ELEMENTARY FRENCH
Year course; 3 credits each semester.
Grammar, phonetics, diction, reading of easy prose and poetry.

101 INTERMEDIATE FRENCH
Year course; 3 credits each semester.
Review of grammar, composition, reading from selected modern authors. Prerequisite: one year of French in college or 2 years in preparatory school.

200 MODERN FRENCH LITERATURE
Year course; 3 credits each semester.
Novel, biography, drama; composition and diction. Prerequisite: 2 years of college French or equivalent.
ANNOUNCEMENT OF COURSES

250 CLASSIC DRAMA
First semester; 2 credits.
Mr. Pecker
Masterpieces of Corneille, Racine, and Moliere. Lectures in French upon the literary history of the period. Additional outside reading.

251 ROMANTIC SCHOOL
Second semester; 2 credits.
Mr. Pecker
Readings from Lamartine, de Musset, Hugo, etc. Lectures in French upon the significance and influence of the Romantic Movement. Individual research and reports on assigned topics.

260-261 INDIVIDUAL RESEARCH
Year course; credit by arrangement.
Mr. Pecker
Individual research in the latest French publications. Prerequisite: consent of instructor.

Geography

150 ELEMENTS OF GEOGRAPHY
First semester; 3 credits.
Mr. Palmer
Relationship of people to their natural environment.

151 ECONOMIC GEOGRAPHY
Second semester; 3 credits.
Mr. Palmer
Relationship of production and distribution of industrial raw materials to natural environment.

180 METEOROLOGY
Second semester; 3 credits.
Mr. Palmer
The structure, composition, and movements of the atmosphere; evaporation, condensation, humidity, precipitation, and storms.

Geology

150 PHYSICAL GEOLOGY
First semester; 3 credits.
Mr. Palmer
Materials composing the earth; operation and effects of geologic agents. Prerequisite: sophomore standing.

151 HISTORICAL GEOLOGY
Second semester; 3 credits.
Mr. Palmer
History of the earth, of its continents and ocean basins, and of its inhabitants. Prerequisite: Geology 150.

152-153 LABORATORY GEOLOGY
Year course; 1 credit each semester.
Mr. Palmer
Identification of minerals and rocks, reading of topographic and geologic maps, and study of important fossil forms. One laboratory period a week. Prerequisite: credit or concurrent registration in Geology 150 or 151. Laboratory fee $1 each semester.

290 INDEPENDENT STUDY
Credit by arrangement.
Mr. Palmer
Prerequisite: consent of instructor.

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GOVERNMENT

German

100 ELEMENTARY GERMAN
Year course; 3 credits each semester.
For beginners. Grammar developed from easy reading material; exercises in reading and translating.
Mrs. Hörmann, Miss Mueller

101 INTERMEDIATE GERMAN
Year course; 3 credits each semester.
Continuation of grammar; vocabulary building; reading and practice of sight reading; free composition.
Mrs. Hörmann

102 SCIENTIFIC GERMAN
Year course; 3 credits each semester.
Sentence construction and analysis; translation from difficult German scientific readings.
Mrs. Hörmann

200 CLASSICAL GERMAN LITERATURE
Year course; 3 credits each semester.
Reading supplemented by exercises in composition.
Mrs. Hörmann

202 ADVANCED SCIENTIFIC GERMAN
Year course; 1 or 2 credits each semester.
Reading and translation of scientific material and practice in sight translation. Prerequisites: 2 years of college German and consent of instructor. May be repeated once.
Mrs. Hörmann

250 READINGS IN GERMAN LITERATURE
Year course; 1 or 2 credits each semester.
Prerequisite: German 200 or 201.
Mrs. Hörmann

Government

150 AMERICAN GOVERNMENT
Second semester; 3 credits.
The organization and functions of the national government; American citizenship; protection of rights; the party system; contemporary political issues.
Mr. Bachman

200 DIRECTED READING IN COMPARATIVE GOVERNMENT
Credit by arrangement.
Prerequisite: consent of instructor.
Mr. Bachman

254 MUNICIPAL GOVERNMENT
First semester; 3 credits.
The city as a political subdivision; forms of city government; consolidation of city and county; municipal politics.
Mr. Sakamaki

256 AMERICAN POLITICAL PARTIES
First semester; 3 credits.
The organization, methods, and principles of American political parties.
Mr. Hunter

260 CONTEMPORARY INTERNATIONAL POLITICS
First semester; 3 credits.
Basic forces in international relations; war aims and policies of the Axis and United Nations; problems of post-war reconstruction.
Mr. Bachman

282 PUBLIC ADMINISTRATION
Second semester; 3 credits.
Relationship of administration to policy-forming agencies; organization of administrative staff; centralization of responsibility.
Mr. Sakamaki

300 DIRECTED READING AND RESEARCH IN INTERNATIONAL RELATIONS
Credit by arrangement.
Prerequisites: graduate standing and consent of instructor.
Mr. Bachman
ANNOUNCEMENT OF COURSES

Hawaiian

100 ELEMENTARY HAWAIIAN
Year course; 3 credits each semester.
Elements of the language.

101 INTERMEDIATE HAWAIIAN
Year course; 3 credits each semester.
Review of Hawaiian grammar.

250-251 GREAT LEADERS OF HAWAII
Year course; 1 credit each semester.
A biographical approach to the study of Hawaiian history.

Health and Physical Education

The course offerings in health and physical education are necessarily curtailed during the war emergency. The program emphasizes three needs: first, physical fitness as a wartime necessity; second, preparation for special wartime services, through such courses as first aid; and third, a minimum of professional-type courses for prospective teachers. Intramural programs for men and women are also sponsored.

Freshman and sophomore men and women under 25 years of age who are registered for 10 or more semester hours of academic work must take at least 1 credit hour of health and physical education each semester.

A special corrective-work course (104) is provided for students whose physical examinations indicate, in the opinion of the head of the Department, that more active exercise is inadvisable.

All freshman men are required to take Health and Physical Education 100. Freshman women take 102. Sophomore men and women must take 105, either the first or the second semester. During the offsetting semester, men are required to take 135, women 136. The lower division health and physical education courses (100 to 199) may not be taken by juniors and seniors except where needed to fulfill graduation requirements, or by special permission of the dean of the college concerned.

A student engaged in a varsity sport may be excused from health and physical education class attendance during the season of that sport.

100 INDIVIDUAL AND TEAM SPORTS (MEN) Staff
Year course; 1 credit each semester.
A basic course required of all freshman men, with participation in six activities: football, basketball, baseball, volleyball, tennis, and swimming. The order of these activities varies among the sections of the course. Two class periods weekly.

102 INDIVIDUAL AND TEAM SPORTS (WOMEN) Staff
Year course; 1 credit each semester.
Similar to 100, designed for women students. Activities engaged in are basketball, volleyball, hockey, soccer, tennis, and swimming.

104 CORRECTIVE WORK Miss Bucklin
First semester; 1 credit; repeated second semester.
Light and corrective exercises for students whose physical examinations indicate the inadvisability of more active exercise.

105 PERSONAL HYGIENE (MEN AND WOMEN) Mr. Sia
First semester; 1 credit; repeated second semester.
Emphasis upon scientific health information as a basis for hygienic living; personal health problems. One lecture and one personal conference period weekly.
HISTORY

135 PHYSICAL ACTIVITIES FOR MEN
Staff
First semester; 1 credit; repeated second semester.
A required course for all sophomore men. Emphasis placed on physical activities conducive to physical fitness. During the war emergency this course takes the place of the special activities courses previously offered (110-133).

136 PHYSICAL ACTIVITIES FOR WOMEN
Staff
First semester; 1 credit; repeated second semester.
A required course for all sophomore women. Similar to 135.

200 FIRST AID
Staff
First semester; 2 credits; repeated second semester.
Prevention and treatment; emergency care of accidental injury; special reference to school and playground; practical work in the use of bandage and splints. Red Cross Certificate.

220 PHYSICAL EDUCATION IN THE PRIMARY GRADES
Mrs. Bennett
First semester; 3 credits.
Methods, materials, and activities for the primary grades of the elementary school. Three class periods a week.

221 PHYSICAL EDUCATION IN THE UPPER ELEMENTARY GRADES
Mrs. Bennett
Second semester; 3 credits.
Similar to H.P.E. 220, with emphasis upon work in the upper elementary grades. Three class periods a week.

223 PUBLIC SCHOOL HEALTH
Miss Jones
Second semester; 2 credits.
The field of health education; principles governing health; methods and materials for teaching health; problems of administration of the health program. Three class periods a week.

227 THEORY OF INDIVIDUAL ATHLETICS (WOMEN)
Miss Gay
First semester; 2 credits.
Teaching of technique in archery, badminton, bowling, golf, swimming, diving, tennis. One lecture, 2 laboratory periods a week.

228 THEORY OF GROUP ATHLETICS (WOMEN)
Miss Gay
Second semester; 2 credits.
Technique of play and organization of team sports for junior and senior high schools. One lecture, 2 laboratory periods a week.

History

100 HISTORY OF WESTERN CIVILIZATION
Mr. Bachman
Year course; 3 credits each semester.
Development of modern culture and institutions, including the classical heritage, medieval contributions, expansion overseas, and present-day tendencies in Europe and America.

110 INTRODUCTION TO AMERICAN HISTORY
Mr. Hunter
First semester; 3 credits.
The religious, cultural, and social backgrounds of the American people.

201 HISTORY OF THE FAR EAST
Mr. Sakamaki
Year course; 3 credits each semester.
Survey of the political, social, and economic history of the Far East as a unit.

211 CONSTITUTIONAL HISTORY OF ENGLAND
Mr. Hunter
First semester; 3 credits.
Anglo-Saxon institutions, Norman innovations, development under the Angevins; limitation of the royal power; rise of the cabinet system.

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ANNOUNCEMENT OF COURSES

225 HISTORY OF CHINA
Year course; 3 credits each semester.
Mr. Taam
General survey of Chinese history; development of institutions; impact of western culture upon Chinese civilization.

226 HISTORY OF JAPAN
Year course; 3 credits each semester.
Mr. Sakamaki
General survey of Japanese history; development of institutions; impact of western culture upon Japanese civilization.

242-243 HISTORY OF THE UNITED STATES
Year course; 3 credits each semester.
Mr. Hunter
A detailed political, economic, and social survey of the history of the United States, 1789-1943.

245 DIPLOMATIC HISTORY OF THE UNITED STATES
Second semester; 3 credits.
Mr. Hunter
International relationships of the United States since the Civil War.

246 AMERICAN THOUGHT AND CULTURE
Second semester; 3 credits.
Mr. Hunter
An advanced course on American social customs and institutions.

250 HISTORY OF EARLY CIVILIZATION IN THE FAR EAST
First semester; 3 credits.
Mr. Sakamaki
A general survey of the development of civilization in eastern Asia.

251 HISTORY OF THOUGHT IN JAPAN
Second semester; 3 credits.
Mr. Sakamaki
The major schools of thought and important thinkers, social reformers, economists, statesmen, and educators of the Far East.

252 CONSTITUTIONAL HISTORY OF THE UNITED STATES
Second semester; 3 credits.
Mr. Hunter
The genesis, drafting, ratification, and development of the federal constitution.

277 THE PACIFIC REGION IN MODERN TIMES
Year course; 2 credits each semester.
Mr. Kuykendall
First contact of East and West; discovery and exploration; activities of traders and missionaries; development of European and American interests; origin of current problems.

300 DIRECTED RESEARCH
Year course; credit by arrangement.
Mr. Hunter
Individual research in (a) American history—Mr. Hunter; (b) Pacific and Hawaiian history—Mr. Kuykendall; (c) Japanese history—Mr. Sakamaki.

310 HISTORICAL METHOD
Second semester; 2 credits.

Home Economics

GENERAL COURSES (H.E.)

H.E. 100 ORIENTATION IN HOME ECONOMICS
First semester, 1 credit.
Mrs. Gruelle
Application of social ethics to daily life; personal problems of the freshman student; choice of a vocation; vocational opportunities in home economics.

H.E. 101 HYGIENE AND HOME NURSING
Second semester; 3 credits.
Miss Jones
A practical study of personal and community health; the acquisition of skill in basic home nursing procedures. Two lectures and one laboratory period a week.
H.E. 201  CONSUMER BUYING
   Miss Weaver
   Second semester; 2 credits.
   Problems of consumers in purchasing foods, clothing, cosmetics, drugs, furniture, and equipment; brief survey of market structure, advertising agencies, testing bureaus, and consumer buying habits. Prerequisite: junior standing.

H.E. 250  HOUSEHOLD MANAGEMENT
   Mrs. Gruelle
   First semester; 3 credits.
   Contribution of home maker and family members to better home living; management of time and money; arrangement and care of equipment. Two lectures and one laboratory period a week. Prerequisite: junior standing.

H.E. 251  HOME ECONOMICS EDUCATION
   Miss Douglass
   Second semester; 3 credits.
   Curriculum content, teaching procedures, and current educational philosophies and practices as they apply to home economics education. Prerequisites: Psychology 150 and junior standing.

H.E. 252  CHILD TRAINING
   First semester; 3 credits.
   Importance of the preschool years in the development of the individual; a constructive program for training the normal child in the home. Planned especially for home economics students. Two lectures and one laboratory period a week. Prerequisites: Psychology 150 and Home Economics 253.

H.E. 253  CHILD CARE
   Second semester; 2 credits.
   Mr. Wishik
   Reproduction, prenatal care, childbirth, infant and preschool care, growth, minor ailments, and common diseases.

H.E. 262  EDUCATION FOR FAMILY LIFE
   Miss Douglass
   First semester; 2 credits.
   Relationship problems within the family; special emphasis upon the factors contributing toward satisfying parent-child, child-child, and husband-wife relationships.

H.E. 291  HOME-MANAGEMENT HOUSE
   Miss Douglass
   First semester; 4 credits; repeated second semester.
   Living with a group of 4 to 6 students in a supervised house for 8 weeks; practical application of training in home economics; meal preparation, time and money management, human relationships. Conferences and laboratory period. Students share subsistence cost.

H.E. 360  SPECIAL PROBLEMS IN HOME ECONOMICS
   Miss Douglass
   First semester; 2 credits; repeated second semester.
   Class and individual problems selected according to the needs of fifth-year students preparing to teach vocational homemaking.

HOUSEHOLD ART (H.A.)

H.A. 110  CLOTHING AND TEXTILES
   Mrs. Mark
   First semester; 3 credits.
   Inventory of the student's wardrobe; clothing plan and budget; use of commercial patterns; fundamentals of cutting, fitting, and constructing a simple school dress; study of textiles in relation to clothing selection. Three laboratory periods a week. Laboratory fee $2.

H.A. 111  CLOTHING AND TEXTILES
   Mrs. Mark
   Second semester; 2 credits.
   Children's clothing; problems in clothing renovation; continued study of textiles and clothing economics. Two laboratory periods a week. Prerequisite: Household Art 110. Laboratory fee $2.
ANNOUNCEMENT OF COURSES

H.A. 114 CLOTHING DESIGN AND CONSTRUCTION Mrs. Mark
Year course; 2 credits each semester.
Design and construction of costumes suitable to the individual student; use of foundation pattern in flat pattern designing; study of textiles. Two laboratory periods a week. Prerequisites: Household Art 110 and 111; credit or concurrent registration in Household Art 150. Laboratory fee $3 each semester.

H.A. 150 CLOTHING SELECTION Mrs. Mark
Year course; 1 credit each semester.
Color, design, suitability, quality, and cost of clothing and accessories. Laboratory fee $1 each semester.

HOUSEHOLD SCIENCE (H.S.)

H.S. 102 FOOD ECONOMICS Miss Weaver
Year course; 3 credits each semester.
Economics of food selection; experimental food preparation; meal planning and serving. One lecture and 2 laboratory periods a week. Prerequisites: Chemistry 103 and Household Science 150. Laboratory fee $5 each semester.

H.S. 150 ELEMENTARY FOOD PREPARATION Mrs. Bartow
First semester; 3 credits; repeated second semester.
Fundamental processes of food preparation; practical applications; good food habits. One lecture and two laboratory periods a week. Laboratory fee $5.

H.S. 155 ELEMENTARY NUTRITION FOR NURSING STUDENTS Miss Weaver
Second semester; 3 credits.
Principles of nutrition in relation to health; emphasis on nutritive value and use of foods grown or used in Hawaii. One lecture and 2 laboratory periods a week. Prerequisites: Household Science 150 and one semester of Chemistry 103. Laboratory fee $5.

H.S. 200 NUTRITION Miss Miller
Year course; 3 credits each semester.
Nutritive requirements of man; function of food in the body; nutritive value of foods and their place in the diet. Two lectures and one laboratory period a week. Prerequisites: Chemistry 103 and 149; credit or concurrent registration in Chemistry 260. Laboratory fee $5 each semester.

H.S. 250 DIET AND DISEASE Miss Weaver
First semester; 3 credits.
Diet therapy under abnormal conditions; reading, conferences, and laboratory. Two lectures and one laboratory period a week. Prerequisites: Household Science 102 and 200. Laboratory fee $2.

H.S. 260 QUANTITY COOKERY Miss Mitchelson
First semester; 2 credits.
Food problems of institutions; preparation and serving of food in large quantities, menu planning, and food costs. Two 2½-hour laboratory periods a week. Prerequisite: Household Science 102.

H.S. 261 INSTITUTIONAL MANAGEMENT Mrs. Reilly
Second semester; 2 credits.
Organization and administration of food departments of institutions such as college cafeterias, school cafeterias, college residence halls, and hospitals. Prerequisite: Household Science 260.

H.S. 263 INSTITUTIONAL BUYING Miss Mitchelson
Second semester; 2 credits.
Selection and purchase of foods and equipment for an institution. Prerequisite: Household Science 260.
H.S. 264 PROBLEMS IN HOSPITAL DIETETICS OR INSTITUTIONAL MANAGEMENT
Mrs. Reilly
First semester; 4 credits; repeated second semester.
Field practice for senior and graduate student dietitians in an approved institution.
Prerequisites: Household Science 200, 260, 261, 263, and 265.

H.S. 265 INSTITUTIONAL ACCOUNTS
Mrs. Reilly
Second semester; 3 credits.
Principles of accounting applied to management of school cafeterias, tearooms, residence halls, and other food service units. One lecture and 2 laboratory periods a week. Prerequisite: Household Science 260.

H.S. 266 PROBLEMS IN RESIDENCE HALL MANAGEMENT
Mrs. Reilly
First semester; credits arranged; repeated second semester.
Planning and directing preparation of meals in a university women’s residence hall; directing of housekeeping in residence hall. Prerequisites: Household Science 200, 260, 261, 263, and 265.

H.S. 272 ELEMENTARY NUTRITION
Miss Miller, Miss Weaver
First semester; 4 credits.
Nutrition in relation to health of the individual and the family; planning of adequate diets utilizing foods available in Hawaii. Two lectures and 2 laboratory periods a week. Prerequisite: Household Science 102, or consent of instructor. Laboratory fee $5.

H.S. 273 RACIAL FOOD HABITS IN HAWAII
Mrs. Gruelle
Second semester; 4 credits.
The planning and preparation of meals for various racial groups at different income levels; emphasis on adequate diets at minimum cost. Two lectures and 2 laboratory periods a week. Prerequisite: Household Science 200 or 272. Laboratory fee $5.

H.S. 275 PREPARATION OF FOOD FOR CHILDREN
Second semester; 3 credits.
Planning meals for children; problems involved in planning, selecting, buying, preparing, and serving the noon lunch.

Japanese

D102 BEGINNING JAPANESE
Mr. Uyehara
Year course; 3 credits each semester.
Intended especially for Occidental beginners and military personnel. Basic grammar; simple conversation and translation.

102 FIRST-YEAR JAPANESE
Mr. Uyehara
Year course; 3 credits each semester.
Reading and translation of language readers. Study of Katakana, Hiragana, and simple Chinese characters; composition and oral exercises.

103 SECOND-YEAR JAPANESE
Mr. Uyehara
Year course; 3 credits each semester.
Reading and translation of language readers. Study of more Chinese characters; composition; advanced oral exercises.

D203 JAPANESE TRANSLATION AND INTERPRETATION
Mr. Uyehara
Year course; 3 credits each semester.

260 JAPANESE LITERATURE IN ENGLISH
Mr. Uyehara
Year course; 2 credits each semester.
Historical analysis of Japanese thought through literature. Study of classics and contemporary works; drama, poetry, etc.

300 DIRECTED READING AND RESEARCH
Credit by arrangement.
ANNOUCEMENT OF COURSES

Mathematics

149 ALGEBRA
First semester; 3 credits; repeated second semester.
Second-year algebra. Six hours a week. Prerequisites: One year of high school algebra and one year of plane geometry.

150 PLANE TRIGONOMETRY
First semester; 3 credits; repeated second semester.
Prerequisites: Mathematics 149, or 2 years of high school algebra and one year of plane geometry.

151 COLLEGE ALGEBRA
First semester; 3 credits; repeated second semester.
Prerequisites: Mathematics 150, or 2 years of high school algebra, one year of plane geometry, and one semester of trigonometry.

152 PLANE ANALYTICAL GEOMETRY
First semester; 3 credits; repeated second semester.
Prerequisite: credit or concurrent registration in Mathematics 151.

153 DIFFERENTIAL CALCULUS
Second semester; 3 credits.
Prerequisite: Mathematics 152.

154 INTEGRAL CALCULUS
First semester; 3 credits.
Prerequisite: Mathematics 153.

155 CALCULUS APPLICATIONS
Second semester; 3 credits.
Prerequisite: Mathematics 154.

156 SPHERICAL TRIGONOMETRY
Second semester; 2 credits.
Prerequisite: Mathematics 150 or equivalent. Desirable preparation: solid geometry.

254-255 APPLICATIONS OF HIGHER MATHEMATICS
Year course; 3 credits each semester.
Differential equations, power and Fourier series, special integrals, vectors and tensors, complex variables, Laplace transforms, calculus of variation, matrix algebra. Prerequisite: Mathematics 155 or equivalent.

Music

152 ELEMENTS OF MUSICIANSHIP
Second semester; 3 credits.
Music reading, with attention to diction and phrasing. Elementary theory and conducting, with practice in the latter, using patriotic and simple assembly music.

250 MUSIC FOR THE PRIMARY YEARS
Second semester; 2 credits.
Music materials and procedures for the preschool and primary years. Prerequisite: Music 152.

251 MUSIC FOR THE ELEMENTARY YEARS
First semester; 2 credits.
Discussion of and practice in the organization and direction of the musical experiences of children on the elementary school level. This will include a survey of suitable materials and procedures. Prerequisite: Music 152 or consent of instructor.
PHYSICS

262 MUSIC HISTORY AND APPRECIATION
First semester; 2 credits.
Mrs. Kahananui
An examination of romantic and nationalistic trends in music as influenced by trends in human development. Listening to music of outstanding composers of these periods constitutes an important phase of the course.

263 MUSIC HISTORY AND APPRECIATION
Second semester; 2 credits.
Mrs. Kahananui
Twentieth century social trends and their effects on the arts, with emphasis on the development of music.

Philosophy

150 HISTORY OF PHILOSOPHY
First semester; 4 credits; repeated second semester.
Mr. Moore
Western philosophy from era of great Greek thinkers to modern times; basic course in philosophy. Prerequisite: sophomore standing.

151 MODERN PHILOSOPHY
Second semester; 3 credits.
Mr. Moore
Western philosophy from the Renaissance to present day.

200 PHILOSOPHIES OF LIFE
First semester; 3 credits.
Mr. Moore
Western philosophies and typical theories of the nature of the good life; some comparative consideration of eastern philosophies.

299 DIRECTED READING
Credit by arrangement.
Mr. Moore
Reading, consultations, and written or oral reports. Prerequisite: consent of instructor.

Physics

102 COLLEGE PHYSICS
Year course; 4 credits each semester.
Mr. Gregory
Three lectures and one laboratory period a week. Prerequisite: Mathematics 150 or equivalent. Laboratory fee $4 each semester.

202 ELECTRICAL ENGINEERING
Year course; 3 credits each semester.
Mr. Eller
Theory, construction, and operation of direct and alternating current electrical machinery and equipment. Two lectures and one laboratory period a week. Prerequisite: Physics 102 or equivalent. Laboratory fee $4 each semester.

255 LIGHT
First semester; 3 credits.
Principles of geometrical and physical optics. Prerequisite: Physics 102 or equivalent.

256 OPTICS LABORATORY
First semester, 1 credit.
Experiments in geometrical and physical optics. One laboratory period a week. Prerequisite: credit or concurrent registration in Physics 255. Laboratory fee $4.

261 READING OR LABORATORY WORK IN ADVANCED PHYSICS
Credit by arrangement.
Staff
Reading, consultations, and written reports; or supervised experimental work. Prerequisite: Physics 102 or equivalent and Mathematics 154 or equivalent.
ANNOUNCEMENT OF COURSES

275 ELECTRICITY AND MAGNETISM
   Second semester; 3 credits.
   Mr. Eller
   Fundamental theory of electric and magnetic phenomena. Prerequisites: Physics 102 or equivalent and Mathematics 154 or equivalent.

300 DIRECTED READING OR RESEARCH
   Credit by arrangement.
   Staff
   Reading, consultation, and written reports; or supervised experimental work. Prerequisite: graduate standing or consent of instructor.

Psychology

Psychology 150 (or equivalent) is prerequisite to all other courses in Psychology.

150 GENERAL PSYCHOLOGY
   First semester, 3 credits; repeated second semester.
   Mr. Livesay
   Introductory course surveying human behavior. Lectures and demonstrations. Prerequisite: sophomore standing.

151 LABORATORY
   First semester; 1 credit; repeated second semester.
   Mr. Livesay
   Required of all students who intend to major or minor in Psychology. Others may register with consent of instructor. Prerequisite: credit or concurrent registration in Psychology 150. Laboratory fee $1.

200 DIRECTED READING
   Credit by arrangement.
   Staff
   Prerequisite: consent of instructor.

250 APPLIED PSYCHOLOGY
   First semester; 3 credits.
   Mr. Livesay
   Application of psychological principles to practical life situations; special attention to industrial, business, legal, and medical fields.

261 MENTAL EXAMINATION METHODS
   First semester; 2 credits.
   Mr. Porteus
   Demonstration of methods and results of psychological examinations, with particular reference to tests and measurements commonly used in Hawaii. These include adaptations of the Binet scale, the Porteus Maze Test, Q score, educational achievement scales, range of information, performance scales.

262 TEST INTERPRETATION
   Second semester; 2 credits.
   Mr. Porteus
   The relation of tests and measurements to intelligence, personality and social adaptability, their diagnostic and predictive values. Illustrated by studies of selected clinical material. Racial and social factors in performance.

267 PSYCHOLOGY AND TREATMENT OF EXCEPTIONAL CHILDREN
   First semester; 2 credits.
   Miss M. Smith
   Psychological and educational aspects of problems presented by various types of exceptional children; methods desirable in work with such children.

275 SYSTEMS OF PSYCHOLOGY
   Second semester; 3 credits.
   Mr. Livesay
   The various systems of psychology: existentialism, functionalism, behaviorism, positivism, and Gestalt.

281 EDUCATIONAL PSYCHOLOGY
   First semester; 3 credits; repeated second semester.
   Mr. White
   A psychological approach to the problems of education, with emphasis on such topics as development, factors conditioning the effectiveness of learning, and individuality. Required of Teachers College students; others may register by consent of instructor.
292 MENTAL HYGIENE
First semester; 3 credits.
Conditions requisite to mental health and satisfactory social adjustment; causes and means of preventing maladjustments and neuroses.

Miss M. Smith

295 ABNORMAL PSYCHOLOGY
Second semester; 3 credits.
The nature and causes of psychoneuroses and insanity; incipient abnormal traits manifested in everyday life; psychotherapy.

Miss M. Smith

300 READING OR RESEARCH
Credit by arrangement.
Research or intensive reading in some field of psychology. Prerequisites: graduate standing and consent of instructor.

Staff

351 ADVANCED EDUCATIONAL PSYCHOLOGY
First semester; 2 credits; repeated second semester.
Application of experimental evidence in psychology to major educational problems; the bearing of recent psychological theories upon education.

Mr. White

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Public Health Nursing

150 PUBLIC HEALTH NURSING
First semester; 3 credits.
The development, methods, and technique of public health nursing; emphasis on the social, preventive, and teaching aspects of service to the family and the community.

Miss Jones

156 CHILD HYGIENE
First semester; 3 credits.
The physiology and hygiene of pregnancy, labor, and the puerperium; development, growth, and physical and mental hygiene of childhood from fetus through school age; history and present status of maternity and child health work.

Miss Weaver

158 NUTRITION
First semester; 3 credits.
Nutrition and diet as related to the needs of individuals and family groups; emphasis on nutritive value of local foods and racial diets. Two lectures and one 2½-hour laboratory period a week.

160 PUBLIC HEALTH ADMINISTRATION
First semester; 2 credits.
Methods of protection and promotion of community health; epidemiology and control of communicable diseases; modern public health organization and administration; statistical methods in health work. Three recitations a week.

162 TEACHING OF PUBLIC HEALTH NURSING
First semester; 2 credits.
Basic principles underlying teaching and learning; selection and organization of materials used in health teaching; methods used with groups and individuals.

Miss Jones

171 FIELD PROGRAM
Second semester; 10 credits.
Instruction and guided experience in home visiting for both bedside and instructive care in school health work, in maternal and child health conferences, and in chest and other clinics. Thirty-two hours a week.

Miss Jones

200 SOCIAL WORK FOR PUBLIC NURSES
Second semester; 3 credits.
The social-work aspects of public health nursing, coordinating field experience with social case work principles. For students in public health nursing.

Mrs. Hosch
ANNOUNCEMENT OF COURSES

Religion

The Hawaii School of Religion, affiliated with the University, is independently supported, and its affairs are managed by its own board of trustees.

150 INTRODUCTION TO THE STUDY OF RELIGION Mr. Mark
First semester; 3 credits.
The nature of religion and its relationship to other areas of life and thought.

151 PROBLEMS IN RELIGIOUS THOUGHT Mr. Mark
Second semester; 3 credits.
The ways in which religious faith have been undergirded by rational thought; emphasis upon modern developments.

200 OLD TESTAMENT SURVEY Mr. Mark
First semester; 3 credits.
The Old Testament from the literary and philosophical points of view; emphasis on practical values of the book for life today.

201 NEW TESTAMENT SURVEY Mr. Mark
Second semester; 3 credits.
The New Testament from the literary and philosophical viewpoints; emphasis on practical values for life today.

240-241 CHRISTIAN CHURCH IN HISTORY Mr. Dunstan
Year course; 3 credits each semester.
Survey of the history of the Church as an institution; its relationship to other lines of human development.

275-276 THE PHILOSOPHY OF RELIGION Mr. Dunstan
Year course; 3 credits each semester.
Analysis of religious experience to show its basic element; emphasis upon the significance of this for a constructive philosophical position.

Social Work

Consent of the instructor is required for registration in Social Work courses numbered 300 or higher.

200-201 INTRODUCTION TO SOCIAL WORK Miss Frisbee
Year course; 3 credits each semester.
The origins, philosophy, scope, aims, and methods of contemporary social work; typical problems and agencies in case work, group work, and community organization. Field trips to local social agencies. Prerequisite: junior or senior standing.

300 SOCIAL CASE WORK Mrs. Hosch
First semester; 3 credits.
An introductory course; principles of social case work and their application; an approach to the individual and his social situation.

310 DYNAMICS OF HUMAN BEHAVIOR Mr. Laune
First semester; 2 credits.
The composition, development, and function of personality.

315 COMMUNITY ORGANIZATION Second semester; 2 credits.
Analysis of the larger social welfare program, including the functioning of public and private agencies and their relationship to other phases of community organization.
325  **CHILD WELFARE**  
*Second semester; 3 credits.*  
Social aspects of child welfare problems and programs; methods and agencies for the prevention and treatment of maladjusted childhood.

330  **HEALTH AND DISEASE**  
*First semester; 2 credits.*  
Diseases and disease groups; their medical and hospitalization aspects and their social implications.

340  **ADVANCED CASE WORK**  
*Second semester; 3 credits.*  
Case discussions emphasizing the psychiatric approach to social case work; evaluation of case studies in terms of cause and effect relationships.

350  **INTRODUCTION TO PUBLIC WELFARE**  
*First semester; 3 credits.*  
The history, functions, and organization of local, state, and federal government as related to individuals who need special care.

352  **SOCIAL RESEARCH**  
*Second semester; 3 credits.*  
The accepted methods of social research; values and limitations of each for various types of studies. Laboratory. Prerequisite: consent of instructor.

360-361  **SUPERVISED FIELD WORK**  
*Year course; 5 credits each semester.*  
Training in the application of case work principles in local welfare agencies.

370  **JUVENILE DELINQUENCY**  
*First semester; 2 credits.*  
A study of the background of delinquent behavior and community responsibility for its control.

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**Sociology**

151  **INTRODUCTION TO THE STUDY OF SOCIETY**  
*Second semester; 3 credits.*  
An orientation course. The basic social relationships and the corresponding social structures.

200  **DIRECTED READING**  
*Credit by arrangement.*  
Prerequisite: Sociology 151 and consent of instructor.

250-251  **SOCIAL FORCES**  
*Year course; 2 credits each semester.*  
The basic factors and forces operating in contemporary society, with special attention to Hawaii. Required of Teachers College students; others may register by consent of instructor.

267  **THE FAMILY**  
*Second semester; 3 credits.*  
The family as a universal institution; human nature and the family; changing structure and functions in the Orient and the Occident; courtship and marriage in the immigrant family. Prerequisite: Sociology 151.

268  **HUMAN MIGRATIONS**  
*First semester; 3 credits.*  
Migration and civilization building; factors affecting population movements in contemporary society; nature and social consequences of American immigration. Prerequisite: Sociology 151.
274 SOCIAL CHANGE
First semester; 3 credits.
Mr. Hörmann

The nature of and the major factors affecting social change; war as illustrating social change; the role of invention and science; social forecasting.

273 PROBLEMS OF MORALE
Second semester; 3 credits.
Mr. Lind

Nature of morale and related sociological concepts. Morale building and demoralization in peace and war. Measurement and testing of morale.

300 ADVANCED READING AND RESEARCH
Credit by arrangement.
Staff

Prerequisite: graduate standing and consent of instructor.

352 SOCIAL RESEARCH
Second semester; 3 credits.
Mr. Lind

The accepted methods of social research; values and limitations of each method for various types of studies. Laboratory. Prerequisite: consent of instructor.

Spanish

100 ELEMENTARY SPANISH
Year course; 3 credits each semester.
Mr. Pecker

Conversation, essentials of grammar, Spanish and Latin American readings; emphasis upon the oral aspect of the language.

101 MODERN SPANISH LITERATURE
Year course; 3 credits each semester.
Mr. Pecker

Works of Galdos, Valera, Pereda, Ibáñez, and others; conversation and composition; review of grammar; commercial correspondence. Prerequisite: a year of Spanish in college or 2 years in preparatory school.

252 MODERN SPANISH NOVEL
First semester; 2 credits.
Mr. Pecker

Rapid reading; advanced work in composition and conversation; review of grammar. Prerequisite: two years of college Spanish or the equivalent.

253 MODERN SPANISH DRAMA
Second semester; 2 credits.
Mr. Pecker

Rapid reading of modern Spanish plays; continued work in composition, diction, and conversation. Prerequisite: Spanish 252.

Survey

100 A SURVEY OF THE NATURAL SCIENCES
Year course; 3 credits each semester.
Mr. Palmer

Items from various fields of natural science, selected to illustrate what is known and how it has been learned. Admission for the second semester only by consent of instructor.

250 HISTORY OF SCIENCE
First semester; 2 credits; repeated second semester.
Mr. St. John

Progress and discoveries in physical and biological science from ancient to modern times. Readings and reports. Prerequisites: junior standing and 2 semesters of biological or physical science, one of which must include laboratory work.
### Zoology and Entomology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Semester</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>Zoology</td>
<td>Mr. Hamre, Mr. Banner</td>
<td>4</td>
<td>First</td>
<td>First semester; repeated second semester. Zoological principles; studies of structure, development, relationship, and distribution of animals. This course and Botany 100 comprise an introduction to the biological sciences. Two lectures and 2 laboratory periods a week. Laboratory fee $3.</td>
</tr>
<tr>
<td>151</td>
<td>Comparative Anatomy of the Vertebrates</td>
<td>Mr. Hamre</td>
<td>4</td>
<td>Second</td>
<td>Comparative study of the organ systems of typical vertebrates and the structure and relationships of vertebrate groups. Two lectures and 2 laboratory periods a week. Prerequisites: for premedical students and prospective psychology majors, Zoology 100; for all others, Zoology 100 and Botany 100. Laboratory fee $5.</td>
</tr>
<tr>
<td>160</td>
<td>Mammalian Anatomy</td>
<td></td>
<td>3</td>
<td>Second</td>
<td>A laboratory course primarily for premedical students; careful dissection of a typical mammal. Three laboratory periods a week. Prerequisite: Zoology 151. Laboratory fee $6.</td>
</tr>
<tr>
<td>170</td>
<td>General Entomology</td>
<td>Mr. Holdaway</td>
<td>3</td>
<td>First</td>
<td>Insects: their structure, habits, biology, and classification. Emphasis upon insects characteristic of Hawaii. Two lectures and one laboratory period a week. Prerequisites: Zoology 100 and Botany 100. Laboratory fee $3.</td>
</tr>
<tr>
<td>173</td>
<td>Agricultural Entomology</td>
<td>Mr. Holdaway</td>
<td>3</td>
<td>Second</td>
<td>The important insects of Hawaiian crops; chemical, cultural, and biological control. Two lectures and one laboratory period a week; field trips and reference work. Prerequisite: Zoology 170. Laboratory fee $3.</td>
</tr>
<tr>
<td>180</td>
<td>Invertebrate Zoology</td>
<td>Mr. Banner</td>
<td>3</td>
<td>First</td>
<td>Morphology, physiology, development, ecology, and distribution of invertebrate animals. One lecture and 2 laboratory periods a week. Prerequisites: Zoology 100 and Botany 100. Laboratory fee $3.</td>
</tr>
<tr>
<td>191</td>
<td>Physiology</td>
<td></td>
<td>3</td>
<td>Second</td>
<td>Functions of the systems of organs of the human body. Prerequisite: either (1) Zoology 100 and Botany 100 or (2) a year of chemistry.</td>
</tr>
<tr>
<td>260</td>
<td>Histology</td>
<td>Mr. Hamre</td>
<td>3</td>
<td>First</td>
<td>Studies of tissues, principles of histology, and microscopic anatomy of a limited number of vertebrate animals. One lecture and 2 laboratory periods a week. Prerequisite: one of the following: Zoology 151, 170, or 180. Laboratory fee $3.</td>
</tr>
<tr>
<td>261</td>
<td>Vertebrate Embryology</td>
<td>Mr. Hamre</td>
<td>3</td>
<td>Second</td>
<td>Principles of embryology illustrated by a detailed study of the development of the frog and the chick. One lecture and 2 laboratory periods a week. Prerequisite: one of the following: Zoology 151, 170, or 180. Laboratory fee $3.</td>
</tr>
<tr>
<td>262</td>
<td>Microtechnique</td>
<td>Mr. Hamre</td>
<td>2</td>
<td>Second</td>
<td>The fixing, staining, and mounting of animal tissues and entire animals and organs. Two laboratory periods a week. Prerequisite: Zoology 260. Laboratory fee $8.</td>
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265 General Anatomy

First semester; 3 credits.

A general survey of the human gross anatomy: the framework of the body; essential features in the anatomy of the soft parts of the head and neck and of the central nervous system.

285 Evolution and Eugenics

First semester; 2 credits.

The doctrine of organic evolution; historical development, supporting evidence, theories, and applications; human genetics and evolution and their social import. Prerequisite: one year of zoology or botany.

290 Independent Study

Credit by arrangement. Prerequisite: consent of instructors.

300 Research

Credit by arrangement.

Directed research in (a) marine zoology—Mr. Banner, (b) anatomy and histology—Mr. Hamre, (c) entomology—Mr. Holdaway. Prerequisites: graduate standing and consent of instructor.
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<th>Degree Candidates</th>
<th>Graduate Students</th>
<th>Undergraduate Students</th>
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<td>Candidates for Advanced Degrees</td>
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<td>Candidates for Five-Year Diplomas</td>
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<td>Candidates for Professional Teaching Certificates</td>
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<td>Candidates for Social Case Work Certificates</td>
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<td>Non-Credit Students in Credit Courses</td>
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