## Calendar
### 1937-1938

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 22</td>
<td>Twenty-sixth Annual Commencement</td>
<td>Tuesday</td>
</tr>
<tr>
<td>June 28</td>
<td>Summer Session begins</td>
<td>Monday</td>
</tr>
<tr>
<td>August 6</td>
<td>Summer Session closes</td>
<td>Friday</td>
</tr>
<tr>
<td>September 1</td>
<td>Last day for receiving applications for admission</td>
<td>Wednesday</td>
</tr>
<tr>
<td>September 22-23</td>
<td>“Freshman Week”</td>
<td>Wed.-Thurs.</td>
</tr>
<tr>
<td>September 24-25</td>
<td>Registration Thirtieth Annual Session</td>
<td>Fri.-Sat.</td>
</tr>
<tr>
<td>September 27</td>
<td>Instruction begins</td>
<td>Monday</td>
</tr>
<tr>
<td>November 25-27</td>
<td>Thanksgiving Recess</td>
<td>Thurs.-Sat.</td>
</tr>
<tr>
<td>December 18</td>
<td>Christmas Recess begins</td>
<td>Saturday, at noon</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Day</th>
</tr>
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<tbody>
<tr>
<td>January 3</td>
<td>Work resumed</td>
<td>Monday</td>
</tr>
<tr>
<td>February 3</td>
<td>Formal class instruction, 1st semester, closes</td>
<td>Thursday, at night</td>
</tr>
<tr>
<td>February 7-12</td>
<td>Mid-year Examinations</td>
<td>Mon.-Sat.</td>
</tr>
<tr>
<td>February 17</td>
<td>Registration, 2nd semester</td>
<td>Thursday</td>
</tr>
<tr>
<td>April 15-16</td>
<td>Easter Recess</td>
<td>Fri.-Sat.</td>
</tr>
<tr>
<td>May 27</td>
<td>Sixteenth Annual Contest for Berndt Prize</td>
<td>Friday</td>
</tr>
<tr>
<td>June 13-18</td>
<td>Final Examinations</td>
<td>Mon.-Sat.</td>
</tr>
<tr>
<td>June 21</td>
<td>Twenty-seventh Annual Commencement</td>
<td>Tuesday</td>
</tr>
<tr>
<td>June 27</td>
<td>Summer Session begins</td>
<td>Monday</td>
</tr>
<tr>
<td>September 1</td>
<td>Last day for receiving applications for admission</td>
<td>Thursday</td>
</tr>
<tr>
<td>September 21-22</td>
<td>“Freshmen Week”</td>
<td>Wed.-Thurs.</td>
</tr>
<tr>
<td>September 23-24</td>
<td>Registration, Thirty-first Annual Session</td>
<td>Fri.-Sat.</td>
</tr>
</tbody>
</table>

### Holidays Observed:
- Armistice Day—November 11
- Washington’s Birthday—February 22
- Memorial Day—May 30
- Kamehameha Day—June 11
- Independence Day—July 4
General Information

LOCATION.—The University is located about three miles from the business center of Honolulu, in Manoa Valley, overlooking Waikiki Beach, which is about two miles distant.

CURRICULUM.—The University year is divided into two semesters of 18 weeks each and a summer session of six weeks. The first semester of the next University year is from September 24 to February 12, the second semester from February 17 to June 21, and the 1937 summer session is from June 28 to August 6.

CREDITS.—One unit of credit represents one lecture or laboratory period per week throughout the semester, or three per week throughout the summer session. Grade points are determined by the grade of the student's work in each course.

ADMISSION.—Only candidates who offer 15 (or 12*) acceptable units of high school work with a good average grade, or the equivalent, are admitted. Application should be sent in early in the summer, before June 30, if possible.

FRESHMAN WEEK.—Every Freshman is expected to be at the University during "Freshman Week," September 22-23. Entrance examinations, consultations with officers and instructors, and introductory lectures occupy the "week."

DISBURSEMENT OF FUNDS.—All disbursement of funds appropriated by the Territorial Legislature of Hawaii for the support of the University is by the territorial treasurer upon warrants issued by the territorial auditor, upon vouchers approved by the Board of Regents.

Funds received by the University from other sources, except from the federal government, are turned into the territorial treasury and disbursed in the same manner as appropriated funds.

The University of Hawaii is a Land Grant College and receives an annual grant from the Federal government.

CHARTER.—The University of Hawaii was established by enactment of the Territorial Legislature. The charter and by-laws of the Board of Regents are published in a pamphlet available upon request.

BOARD OF REGENTS.—The affairs of the University are under the control of a Board of Regents, which is composed of seven members, five of whom are appointed by the Governor of Hawaii for a term of five years, a member of the Board of Commissioners of Public Instruction designated by the Governor, and the President of the University of Hawaii, ex officio.

* See page 44.
The Board of Regents

DAVID L. CRAWFORD (1927)*
University of Hawaii, Honolulu

ARTHUR LYMAN DEAN (1932)
Alexander & Baldwin, Ltd., Honolulu

CARL A. FARDEN (1933)
P. P. C. A. Experiment Station, Honolulu

MARY DILLINGHAM FREAR (1920)
1434 Punahou St., Honolulu

CHARLES R. HEMENWAY (1910)
Alexander & Baldwin, Ltd., Honolulu

OREN E. LONG (1935)
Department of Public Instruction

ARTHUR G. SMITH (1918)
Smith, Wild, Beebe and Cades, Attorneys, Honolulu

OFFICERS OF THE BOARD

Chairman: Charles R. Hemenway
Secretary: David L. Crawford

* The figure in parenthesis after the name indicates the year in which service began.
Administrative Officers

GENERAL

David L. Crawford, LL.D., President of the University
2355 Oahu Ave. Hawaii Hall 104

Arthur R. Keller, M.S., Vice-President
2456 Oahu Ave. Hawaii Hall 104

Gerald R. Kinne, M.B.A., Treasurer
3041 Oahu Ave. Hawaii Hall 103

Thayne M. Livesay, Ph.D., Director of Admissions
2623 Halelona St. Hawaii Hall 117

Helen B. MacNeill, M.A., Registrar
2010 Hunnewell St. Hawaii Hall 115

Mary P. Pringle, Librarian
Pleasanton Hotel Library 3

Ernest C. Webster, C.E., Dean of Men
1836 Punahou St. Hawaii Hall 104

Leonora Neuffer Bilsen, Ph.D., Dean of Women
2328 Seaview Ave. Hawaii Hall 212

DEANS AND DIRECTORS

Wm. H. George, Ph.D., Dean of the College of Arts and Sciences
Makiki Hotel Hawaii Hall 116

*Arthur R. Keller, M.S., Dean of the College of Applied Science
2456 Oahu Ave. Hawaii Hall 104

†Benjamin O. Wist, M.A., Dean of Teachers College
2128 Oahu Ave. T. C. 121

Thayne M. Livesay, Ph.D., Director of the Summer Session
2623 Halelona St. Hawaii Hall 117

Paul S. Bachman, Ph.D., Director of the Graduate Division
2732 Manoa Rd. Hawaii Hall 118

Royal N. Chapman, Ph.D., Dean of the Graduate School of Tropical Agriculture

Gregg M. Sinclair, M.A., Director of the Oriental Institute
2979 Kalakaua Ave. Library 204

R. Ray Scott, Ph.D., Director of the Adult Education Division
3833 Pukalani Pl. Hawaii Hall 110

Howry H. Warner, B.S., Director of the Agricultural Extension Service
3562 Malama Pl. Agric. Bldg. 2

O. C. Magistad, Ph.D., Director of the Hawaii Agricultural Experiment Station
2226 Hyde St. Agric. Bldg. 108

*E. C. Webster is Acting Dean of the College of Applied Science during the absence of Dean Keller.
†T. M. Livesay is Acting Dean of Teachers College during the absence of Dean Wist.
Faculty Committees
1936-1937


ADMISSIONS: T. M. Livesay (Chairman), Deans Keller, George and Wist, H. B. MacNeil.

SCHOLASTIC STANDING: E. C. Webster (Chairman), L. N. Bilger, Deans Keller, George and Wist.


STUDENT AID: W. J. Homan (Chairman), J. F. Iseman, E. C. Webster, L. N. Bilger.

The Faculties of the University
1936-1937

College of Arts and Sciences
Dean: William H. George, Ph.D.

ANTHROPOLOGY:

FELIX M. KESSING, D.Litt., Associate Professor of Anthropology, (1934)*
B.A., Univ. New Zealand, 1924; M.A., Univ. New Zealand, 1925; Graduate Study, Yale Univ., 1928-29; Univ. Chicago, 1929-30; D.Litt., Univ. New Zealand, 1933; London School of Economics and Political Science, 1933-34.
2353 East Manoa Rd.

Harry L. Shapiro, Ph.D., Research Specialist in Physical Anthropology, (1930)

Peter H. Buck, D.S.O., M.D., Lecturer in Anthropology and Ethnology.
M.B., Ch.B., Univ. New Zealand, 1904; M.D., Univ. New Zealand, 1910; Fellow of New Zealand Institute; Director, Bishop Museum.
50 N. Judd St.

Edwin G. Burrows, M.A., Lecturer in Anthropology, (1936)
B.A., Cornell Univ., 1913; M.A., Yale Univ., 1932; Graduate Study, Yale Univ., 1934-35.
2126 Seaview Ave.

Ernest Braghol, Ph.D., Research Associate in Anthropology, (1935)
B.A., Univ. New Zealand, 1927; M.A., Univ. New Zealand, 1928; Ph.D., London School of Economics and Political Science, Univ. London, 1931; Graduate Study, Yale Univ., 1931-34; Research Fellow, Bishop Museum, 1934-35.
2612 Waolani Ave.

ART

HUC-MAZEL LQQUIENS, B.F.A., Associate Professor of Art, (1924)
1646 Bingham St.

Henry H. Rempel, M.Ed., Instructor in Art, (1929)
2101 McKinley St.

Jessie Shaw Fisher, Ed.B., Instructor in Art, (1933)
Teachers College, Columbia Univ., 1908-10; 1911-12; Ed.B., Univ. Hawaii, 1936.
2121 McKinley St.

*Beginning in September 1937, the departments of anthropology and sociology will be combined under the name Anthropology and Sociology.
*Indicates year of appointment to the University Faculty.
†On a part-time basis.
University of Hawaii

BOTANY

HAROLD ST. JOHN, Ph.D., Professor of Botany, (1929)
A.B., Harvard Univ., 1914; A.M., Harvard Univ., 1915; Ph.D., Harvard Univ., 1917; Graduate Study, Sorbonne, France, 1919; Research, Botanisches Garten and Museum; Royal Botanic Gardens; Gray Herbarium, 1933-36.
2365 Oahu Ave. Dean Hall 7

**Oscar Nelson Allen, Ph.D., Associate Professor of Plant Pathology and Bacteriology, (1930)
B.A., Univ. Texas, 1927; M.A., Univ. Texas, 1927; Ph.D., Univ. Wisconsin, 1930.
Absent on leave, 1936-37

ROSS S. BEAN, B.S., Assistant Professor of Botany, (1927)
B.S., Brigham Young Univ., 1921; Graduate Study, Univ. California, 1925-27, 1933-34.
1716 Hunnewell St.

†Daniel M. Weller, Instructor in Botany, (1934)
3118 Huelani Dr.

Ruth Cameron Herter, Ph.D., Acting Instructor in Bacteriology, (1936)
B.A., Vassar College, 1928; Ph.D., Yale Univ., 1933.
779-A Lunalilo Terrace

F. Raymond Fosberg, M.S., Assistant in Botany, (1932)
B.A., Pomona College, 1930; M.S., Univ. Hawaii, 1935.
2365 Oahu Ave.

Dean Hall 200A

ECONOMICS AND BUSINESS

Merton K. Cameron, Ph.D., Professor of Economics, (1928)
2129 McKinley St.

†Matthew M. Graham, C.P.A., Professor of Accounting, (1927)
2646 Oahu Ave.

William H. Taylor, Ph.D., Assistant Professor of Economics, (1936)
1110 Davenport St.

Harold J. Hoflich, Ph.D., Assistant Professor of Economics and Business, (1934)
B.A., Univ. Oregon, 1925; Ph.D., Univ. California, 1933.
2246 Waikolu Way

†Marguerite Ashford, J.D., Lecturer in Business Law, (First Semester) (1936)
B.L., Univ. California, 1914; J.D., Univ. Michigan, 1915.
2143 Eheu St.

†Dudley C. Lewis, Lecturer in Business Law, (1936)
2211 Kamehameha Ave.

†George P. Kimball, Lecturer in Business Law, (1937)
Halekulani Hotel

**Also on Hawaii Agricultural Experiment Station staff.
† On a part-time basis.
†J. J. DELEPPEH, C.P.A., Lecturer in Accounting, (1933)
B.A., Stanford Univ., 1923; C.P.A., California State Board of Accounting, 1927.
2726 Liloa Rd.

RICHARD LIEBES, B.S., Assistant in Economics, (1936)
B.S., Univ. California, 1934.
1718 Hunnewell St.

ENGLISH

ARTHUR L. ANDREWS, Ph.D., Emeritus Professor of English, (1910)
B.L., Cornell Univ., 1893; M.L. Cornell Univ., 1895; Ph.D., Cornell Univ., 1902; L.H.D., (Honorary), Tufts, 1926.
2346 Liloa Rise

W. NORWOOD BRIGANCE, Ph.D., Professor of English, (1936)
B.A., Univ. South Dakota, 1916; M.A., Univ. Nebraska, 1920; Graduate Study, Univ. Chicago, 1921; Univ. Wisconsin, 1922; Ph.D., Univ. Iowa, 1930.
2123 Armstrong St.

GREGG M. SINCLAIR, M.A., Professor of English, (1928)
2979 Kalakaua Ave.

CHARLES H. NEIL, M.A., Associate Professor of English, (1921)
B.A., Univ. South Carolina, 1903; M.A., Yale Univ., 1930.
Pacific Club

LAURA V. SCHWARTZ, Ph.D., Assistant Professor of English, (1924)
Courtland Hotel

N. B. BECK, M.A., Assistant Professor of English, (1928)
Absent on leave, 1936-37

ARTHUR E. WYMAN, B.S., Assistant Professor of Dramatics, (1930)
B.S., Dartmouth, 1911.
Absent on leave, second semester

CARL G. STROVEN, M.A., Instructor in English (1927)
2711 Koanani Way

THOMAS BLAKE CLARK, M.A., Instructor in English, (1930)
A.B., Vanderbilt Univ., 1929; M.A., Vanderbilt Univ., 1930; Graduate Study, Univ. London, King's College, 1933-34.
Absent on leave, 1936-37

WILLARD WILSON, M.A., Instructor in English, (1930)
2329 Beckwith St.

GEORGE J. PEAVEY, M.A., Instructor in English, (1930)
A.B., Univ. Denver, 1924; M.A., Univ. Hawaii, 1931.
Absent on leave, 1936-37

MURIEL J. BERGSTROM, M.A., Instructor in English, (1931)
A.B., Univ. of Michigan, 1909; M.A., Stanford Univ., 1910
Young Hotel

† On a part-time basis.
ALBERT R. HORBING, M.A., Instructor in Journalism, (1936)
1909 Adolph Ave. Hawaii Hall 106

J. THEODORE MORGAN, M.A., Instructor in English, (1936)
B.A., Ohio State Univ., 1930; M.A., Ohio State Univ., 1931; Graduate Study, Ohio State Univ., 1936.
Charles Atherton House Hawaii Annex 8A

CYNTHIA LARRY, M.A., Instructor in English, (1936)
2115 Kamehameha Ave. Hawaii Annex 9

†STANLEY ORNE, B.A., Instructor in English, (1936)
229 Saratoga Rd. Hawaii Hall 106

†LUCINDA N. BUKELEY, Assistant in English, (1936)
1804 Hunsnewell St. Hawaii Annex 11

†LOUISE C. HARRIS, B.A., Lecturer in English, (1935)
B.A., Univ. Oregon, 1933; Graduate Study, Claremont Colleges, Santa Barbara State Teachers College, Mills College; Teacher, Hanahauoli School, Honolulu.
2235 Kuhio Ave.

†FLORENCE HENDE~RSON, Ph.D., Lecturer in Speech, (1935)
A.B., Univ. Denver, 1921; M.A., State Univ. Iowa, 1927; Ph.D., Univ. Wisconsin, 1935.
2065 Lanihuli Dr.

†ESTO BROUGHTON, J.D., Lecturer in English, (1936)
Colonial Hotel

MARGARET ANNE INGRAM, B.A., Teaching Fellow in English, (1936)
B.A., Scripps College, 1931; Graduate Study, Univ. Southern California, summers, 1931, 1932; Claremont Colleges, 1931-32, 1932-33.
2011-C Lanihuli Dr. Hawaii Annex 12

MARGARET M. CASS, B.A., Teaching Fellow in English, (1936)
2336 Beckwith St. Hawaii Annex 12

GEOGRAPHY

JOHN WESLEY COULTER, Ph.D., Associate Professor of Geography, (1928)
B.A., Univ. California, 1919; M.A., Univ. California, 1921; Ph.D., Univ. Chicago, 1926.
Charles Atherton House Dean Hall 8

STEPHEN B. JONES, Ph.D., Instructor in Geography, (1935)
2219 Halulu Way Dean Hall 8

†THEODORE F. LINDEMAN, Lecturer in Meteorology
Georgetown Univ., 1925; Navy Meteorological School, 1925; Chief Aeronautical U.S.N.
1220 Fourteenth Ave.

† On a part-time basis.
GERMAN

MARIA HOERMANN, B.A., Assistant Professor of German Language, (1927)
State Examination for Secondary Schools, Berlin, Germany, 1905; B.A.,
Univ. Hawaii, 1923.
1036 Green St. Hawaii Hall 210

BERTHA MUELLER, Ph.D., Instructor in German Language, (1935)
B.A., Northwestern Univ., 1926; M.A., Univ. Wisconsin, 1929; Ph.D.,
Univ. Wisconsin, 1935.
2386 Oahu Ave.

HAWAIIAN

HENRY P. JUDD, B.A., Professor of Hawaiian Language, (1934)
B.A., Yale Univ., 1901; Graduate Study, Auburn Seminary, 1903-06.
2021 Kakela Dr.

HISTORY AND POLITICAL SCIENCE

WILLIAM H. GEORGE, Ph.D., Professor of History and Political Science, (1930)
A.B., Harvard Univ., 1902; M.A., Princeton Univ., 1906; Ph.D., Harvard
Univ., 1921; Graduate Study under Dr. Duguit, Univ. Bordeaux.
Makiki Hotel Hawaii Hall 116

GEORGE GRAFTON WILSON, Ph.D., Visiting Professor of Political Science.
1889; Graduate Study, Univ. Heidelberg, Univ. Berlin, Univ. Paris, Oxford
Univ., 1890-91; LL.D., Brown Univ., Univ. Vermont, 1911; Membre
de l’Institut de Droit Internationale; LL.D., Univ. Hawaii, 1937; Professor
of International Law, Harvard Univ. and U. S. Naval War College.
Halekulani Hotel Library 16

PAUL S. BACHMAN, Ph.D., Professor of Political Science, (1927)
B.A., Ohio State Univ., 1922; M.A., Univ. Washington, 1924; Ph.D.,
Univ. Washington, 1927; Univ. Michigan, 1933.
2732 Manoa Rd. Hawaii Hall 118

RALPH S. KUYKENDALL, M.A., Assistant Professor of History, (1923)
A.B., College of Pacific, 1910; M.A., Univ. California, 1918.
2337-D University Ave.

CHARLES H. HUNTER, Ph.D., Assistant Professor of History, (1936)
B.A., Stanford Univ., 1927; M.A., Stanford Univ., 1928; Ph.D., Stanford
Univ., 1935.
1519-C Wilder Ave.

SHUNZO SAKAMAKI, M.A., Instructor in History, (1936)
B.A., Univ. Hawaii, 1927; M.A., Univ. Hawaii, 1928; Graduate Study,
1847 Fort St.

RICHARD GARD, Teaching Fellow in Political Science, (1936)
Univ. Washington, 1933-36.
Central Union Church Campus

MUSIC

†VERNE WALDO THOMPSON, B.Mus., Lecturer in Music, (1936)
A.B., Pacific Union College, 1922; B.Mus., American Conservatory, Chicago,
1926. Studied under Kurt Wanieck, Louise Robyn, Josef Lhevinne, Tom­
ford Harris. Graduate work under Arthur Olaf Anderson. Director,
Punahou Music School.
1569 Hastings St.

†On a part-time basis.
TASUKU HARADA, D.D., LL.D., Emeritus Professor of Japanese History and Institutions, (1920)
B.D., Yale Univ., 1891; D.D., Amherst, 1910; LL.D., Edinburgh, Scotland, 1910; President Doshisha Univ., Kyoto, Japan, 1907-19; LL.D., Univ. Hawaii, 1932.

SHAO CHANG LEE, M.A., Professor of Chinese Language and History, (1922)
Graduate Canton Christian College, China, 1911; Graduate Tsing Hua College, Peiping, China, 1918; A.B., Yale Univ., 1917; M.A., Columbia Univ., 1918.

TADAO KUNITOMO, M.A., Instructor in Japanese Language, (1929)
Graduate Aoyama Gakuin College, Japan, 1918; M.A., Oberlin, 1923; Graduate Study, Tokyo Imperial Univ., 1933-35.

YUKUO UYEHARA, M.A., Instructor in Japanese Language, (1933)

B.A., Univ. Hawaii, 1931; M.A., Yenching Univ., China, 1934.

WING TSIT CHAN, Ph.D., Visiting Professor of Chinese Philosophy
B.A., Lingnan Univ., China, 1924; A.M., Harvard Univ., 1927; Ph.D., Harvard Univ., 1929; Dean and Professor of Chinese Philosophy, Lingnan Univ.

CHARLES A. MOORE, Ph.D., Assistant Professor of Philosophy, (1936)
B.A., Yale Univ., 1926; Ph.D., Yale Univ., 1932.

ADNA G. CLARKE, LL.B., Colonel, U.S.A., (Retired), Professor of Police Administration, (1921)
LL.B., Kansas Univ., 1897; B.A., Kansas Univ., 1900; Graduate Artillery School, 1903; Distinguished Graduate, School of the Line, 1913; Graduate Army Staff College, 1914.

D. RANSOM SHERRETT, M.A., Lecturer in Police Administration, (1933)
B.Ed., S. Illinois Teachers College, 1926; M.A., Univ. Hawaii, 1932; Graduate Study, Univ. Wisconsin; Personnel Officer, Honolulu Police Department.

GEORGE F. LARSEN, Lecturer in Police Administration, (1935)
Univ. Hawaii; Univ. Calif.; Captain, Honolulu Police Department.

THAYNE M. LIVESAY, Ph.D., Professor of Education and Psychology, (1924)

†On a part-time basis.
MADORA H. SMITH, Ph.D., Assistant Professor of Education and Psychology, (1931)
A.B., Fargo College, 1907; Lenox College; Univ. Washington; A.M., State Univ. Iowa, 1918; Ph.D., State Univ. Iowa, 1923.
2211 Mohala Way
T. C. 102

ROMANCE LANGUAGES (FRENCH, SPANISH)

IRVING O. PECKER, A.B., Professor of Romance Languages, (1919)
A.B., Boston Univ., 1912; Alliance Francaise, Sorbonne, Paris; French Consul and Spanish Vice-Consul to the Hawaiian Islands; Officier de l'Instruction Publique; White Cross Spanish Order of Naval Merit; Chevalier de la Legion d'Honneur.
Pacific Club

DENZEL CARR, Ph.M., Instructor in Romance Languages, (1933)
Univ. Oklahoma; Kosciusko Scholar, 1929-32; Ph.M., Univ. Cracow, 1932; American Council of Learned Societies' Research Fellow, Sinologisch Instituut Univ. Leiden, Holland, 1932-33; Member of Polish Academy of Sciences, Polish Oriental Society, Romanization Committee of the International Institute of Intellectual Cooperation (League of Nations), Paris.
Absent on leave, 1936-37

JOHN EARL AGUIAR, M.A., Instructor in Romance Languages, (1935)
B.A., Univ. Calif. at Los Angeles, 1932; M.A., Univ. California (Berkeley), 1933; Graduate Study, Centro de Estudios Historicos, Madrid; Alliance Francaise, Paris, 1934-35.
451 Olohana St.

EVA MERTAUX, Licence es Lettres, Instructor in Romance Languages, (1936)
235 Saratoga Rd.

SOCIOLGY

ROMANZO ADAMS, Ph.D., Emeritus Professor of Sociology, (1920)
A.B., Univ. Michigan, 1897; M.A., Univ. Michigan, 1898; Ph.D., Univ. Chicago, 1904.
2315 Liloa Rise

ANDREW W. LIND, Ph.D., Associate Professor of Sociology, (1927)
2636 East Mano Rd.

CLARENCE E. GLICK, A.M., Assistant Professor of Sociology, (1935)
2719-A Puuohonua St.

BRUNHILDE KAUFER, B.A., Teaching Fellow in Sociology, (1936)
B.A., Reed College, 1935.
Women's Dormitory

ZOOLOGY

CHARLES H. EDMONDSON, Ph.D., Professor of Zoology, (1920)
Ph.B., Univ. Iowa, 1903; M.S., Univ. Iowa, 1904; Ph.D., Univ. Iowa, 1906.
2019 Vancouver Dr.

**CHRISTOPHER J. HAMRE, Ph.D., Associate Professor of Zoology, (1930)
A.B., St. Olaf College, 1923; M.S., Univ. Wisconsin, 1927; Ph.D., Univ. Wisconsin, 1930.
Atherton House

† Beginning in September 1937, the departments of anthropology and sociology will be combined under the name Anthropology and Sociology.
** Also on Hawaii Agricultural Experiment Station staff.
University of Hawaii

JENS M. OSTERGAARD, Instructor in Zoology, (1920) 914 Sixteenth Ave.  Dean Hall 107

MILTON A. MILLER, Ph.D., Instructor in Zoology, (1935)  A.B., Univ. Illinois, 1929; Ph.D., Univ. California, 1934. 2453 Sonoma Ave.  Dean Hall 107

†DAVID T. FULLAWAY, M.A., Lecturer in Plant Inspection, (1936)  B.A., Stanford Univ., 1908; M.A., Stanford Univ., 1910; Entomologist, Board of Agriculture & Forestry. 2714 Manoa Rd.

†OTTO SWEZEY, M.S., Lecturer in Entomology, (1937)  B.A., Lake Forest College, 1896; M.S., Northwestern Univ., 1897; Research in Entomology, Ohio State Univ., 1902-03; Entomologist, Experiment Station, H. S. F. A. 2048 Lanihuli Dr.

†ELWOOD C. ZIMMERMAN, B.S., Lecturer in Entomology, (1936)  B.S., Univ. California, 1936; Entomologist, Bernice P. Bishop Museum. 1224-B Wilder Ave.


College of Applied Science

Dean: Arthur R. Keller, M.S.

Acting Dean (1936-37): E. C. Webster, C.E.

AGRICULTURE

FREDERICK G. KRAUSS, D.Sc., Emeritus Professor of Agriculture, (1921)  Prof. Agriculture, College Hawaii, 1910-14; Astronomist, Hawaii Experiment Station, 1914-21; D.Sc., (Hon.) Univ. Hawaii, 1923; Graduate Study, Univ. Berlin, Germany, 1927-28. 2437 Parker Pl.

**LOUIS A. HENKE, M.S., Professor of Agriculture, (1916)  B.S., Univ. Wisconsin, 1912; M.S., Univ. Wisconsin, 1923; Graduate Study, Univ. Wisconsin, 1929-30. Absent on leave, second semester.

**J. M. WESTGATE, M.S., Professor of Tropical Agriculture, (1929)  B.S., Kansas Agric. College, 1897; M.S., Kansas Agric. College, 1899; Graduate Study, Univ. Chicago, 1901-03; Director of Hawaii Agricultural Experiment Station, 1915-35. Experiment Station Reservation Tantalus Road


†JULIUS L. COLLINS, Ph.D., Associate Professor of Genetics, (1930)  B.S., Univ. California, 1918; Ph.D., Univ. California, 1923; Geneticist, P.P.C.A. Experiment Station. 3875 Lurline Dr.

†On a part-time basis.
** Also on Hawaii Agricultural Experiment Station staff.
**Samuel H. Work, Ph.D., Lecturer in Animal Husbandry, (1936)**
B.S., Ohio State Univ., 1925; Ph.D., Cornell Univ., 1934.
2002 Hunnewell St. Metabolism Lab.

**Carroll P. Wilkie, Ph.D., Assistant Professor of Agronomy and Genetics, (1931)**
B.S., Univ. Wisconsin, 1926; Graduate Study, Univ. Illinois, 1926-27; Ph.D., Michigan State College, 1931; Hawaii Experiment Station Agronomist.

**Charles M. Bice, B.S., Assistant Professor of Poultry Husbandry, (1927)**
B.S., Univ. Wisconsin, 1927.
1616 Kewalo St. Poultry Farm

**George W. H. Goo, B.S., Assistant in Animal Husbandry, (1931)**
B.S., Univ. Hawaii, 1929.

**Chemistry and Sugar Technology**

Frank T. Dillingham, M.A., Professor of Chemistry and Sugar Technology, (1909)
B.S., Worcester Polytechnic Institute, 1901; M.A., Yale Univ., 1916; Fellow in Plant Nutrition, Univ. California, 1922-23.
Absent on leave, second semester.

**Earl M. Bilger, Ph.D., Associate Professor of Chemistry, (1925)**
2328 Seaview Ave. Gartley Hall 201

W. R. McAlley, Lecturer in Sugar Technology, (1919)
Sugar Technologist, H.S.P.A. Experiment Station, Honolulu.
2031 Vancouver Dr.

John H. Payne, Ph.D., Assistant Professor of Chemistry, (1932)
B.S., Butler Univ., 1927; M.A., Univ. Cincinnati, 1928; Ph.D., Univ. Cincinnati, 1930; Research Fellow Univ. Munich, 1930-31.
1946-A Vancouver Dr. Gartley Hall 209

Gichi Fujimoto, M.S., Instructor in Chemistry, (1921)
B.S., Univ. Hawaii, 1921; M.S. Univ. Hawaii, 1923.
1524 Farrington St. Gartley Hall 211

George Akau, B.S., Assistant in Chemistry, (1936)
B.S., Univ. Hawaii, 1935.
1518 Evelyn St.

**Engineering**

Arthur R. Keller, M.S., Professor of Engineering, (1909)
C.E., Cornell Univ., 1903; LL.B., National Univ., 1906; S.M.C.E., Harvard Univ., 1916; M.S., Massachusetts Institute of Technology, 1916.
Absent on leave, 1936-37

Carl B. Andrews, M.S., Professor of Engineering, (1920)
B.S., Rose Polytechnic Institute, 1908; M.S., Rose Polytechnic Institute, 1909; C.E., Rose Polytechnic Institute, 1917; M.S., Massachusetts Institute of Technology, 1928.
2356 Waolani Ave. Engineering Bldg. 23

**Also on Hawaii Agricultural Experiment Station staff.**
* Resigned December 31, 1936.
† On a part-time basis.
JOHN MASON YOUNG, M.M.E., Professor of Engineering, (1908)
B.S., Univ. Florida, 1898; M.E., Cornell Univ., 1902; M.M.E., Cornell Univ., 1904; President, Pacific Engineering Company, Honolulu.
945 Alewa Dr. Engineering Bldg. 27

CARL F. MEYER, C.E., Acting Assistant Professor of Engineering, (1936)
B.S., Worcester Polytechnic Institute, 1922; C.E., Worcester Polytechnic Institute, 1929.
2006 Hunnewell St. Engineering Bldg. 15

RUSSELL C. BRINKER, M.S., Instructor in Engineering, (1935)
B.S.C.E., Lafayette College, 1929; M.S.C.E., Univ. Minnesota, 1933; Graduate Work, Univ. Minnesota, 1933-35. Absent on leave, 1936-37

†H. A. R. AUSTIN, C.E., Lecturer in Municipal Engineering, (1936)
C.E., Cornell Univ., 1913; Civil and Hydraulic Engineer, Honolulu. 3060 Oahu Ave.

GEOLOGY

HAROLD S. PALMER, Ph.D., Professor of Geology, (1920)
B.A., Yale Univ., 1912; Ph.D., Yale Univ., 1923; Graduate Study, Univ. Vienna, 1926-27.
2231 Hyde St. Dean Hall 4

HOME ECONOMICS

**CAREY D. MILLER, M.S., Associate Professor of Foods and Nutrition, (1922)
A.B., Univ. California, 1917; M.S. Columbia Univ., 1922; Graduate Study, Yale Univ., 1928-29. Absent on leave, 1936-37

ANNA B. DAHL, Assistant Professor of Textiles and Design, (1917)
Formerly head of Vienna School of Costume Design, San Francisco; Exposition of the New Applied Art, Paris, France; Vienna School of Design, Paris, France, 1925.
2289 Kamehameha Ave.

**MARIA POTGIETER, Ph.D., Lecturer in Home Economics, (1936)
B.A., State Univ. Iowa, 1929; M.S., State Univ. Iowa, 1930; Ph.D., Columbia Univ., 1933.

JANA GLENN, B.S., Instructor in Home Economics, (1932)

MAURINE FLINT, B.S., Instructor in Home Economics, (1936)
B.S., Utah State College, 1932.
2162 Atherton Rd. Cafeteria

NORA WONG MARK, B.S., Assistant in Home Economics, (1934)
B.S., Univ. Hawaii, 1934.
1908 Coyne St. Hawaii Hall 119

HELEN YONGE, B.S., Assistant in Home Economics, (1935)
B.S., Univ. Hawaii, 1935.
2189 Kalia Rd. Hawaii Hall 202

†On a part-time basis.
** Also on Hawaii Agricultural Experiment Station staff.
Faculty

†Mary Douglas Smith, M.A., Lecturer in Home Economics, (1936)
Tantalus

†Amy Macowan, M.A., R.N., Lecturer in Child Hygiene, (1931)
A.B., Beloit College, 1914; Diploma, Presbyterian Hospital School for Nurses, Chicago, 1922; M.A., Teachers College, Columbia Univ., 1926; Director, Nursing Department, Palama Settlement.
2812 Kahalawai St. Hawaii Anex 11

†Frank H. Gaudin, M.D., Lecturer in Child Hygiene, (1932)
M.D., Univ. Toronto, 1927; Hospital for Sick Children, Toronto, 1928-30.
2521 Mānoa Rd.

Mathematics

John S. Donagho, M.A., Emeritus Professor of Mathematics and Astronomy, (1908)
B.A., Marietta College, 1889; M.A., Marietta College, 1897.
961 Alewa Dr.

Ernest C. Webster, C.E., Professor of Mathematics and Engineering, (1925)
Ph.B., Yale Univ., 1904; C.E., Yale Univ., 1906.
1836 Punahou St. Hawaii Hall 104

Elvin A. Hoy, B.S., Assistant Professor of Mathematics and Engineering, (1930)
B.S., Oregon State College, 1925; Graduate Study, Stanford Univ.; Oregon State College, 1925; Univ. California, 1928; Univ. Munich, Germany, 1933-34.
3359 Kīlauea Ave.

Ruth L. T. Yap, M.A., Instructor in Mathematics, (1928)
3465 Wai'alea Ave.

†Northrup Castle, Lecturer in Navigation (1936)
Univ. Hawaii, 1930-32, 1935-37; Master Mariner in Steam (limited), 1934; Master Mariner in Sail, 1936.
Pacific Heights Rd.

Physics

Willard H. Eller, Ph.D., Associate Professor of Physics, (1928)
B.S., Univ. California, 1914; M.S., Univ. Washington, 1925; Ph.D., Univ. California, 1928.
3169 Oahu Ave.

Stanley S. Ballard, Ph.D., Instructor in Physics, (1935)
A.B., Pomona College, 1928; Graduate Study, Dartmouth College, 1928-30; M.A., Univ. California, 1932; Ph.D., Univ. California, 1934; Research Fellow, Univ. California, 1934-35.
2405 Oahu Ave.

Iwao Miyake, M.S., Instructor in Physics, (1927)
B.S., Univ. Hawaii, 1926; M.S., Univ. Hawaii, 1929; Graduate Study, Univ. California, 1929.
2032 Bingham St.

Wilfred J. Holmes, M.S., Instructor in Physics and Engineering, (1935)
Diploma, U. S. Naval Academy, 1922; M.S. Columbia Univ., 1929.
4069 Black Point Rd.

† On a part-time basis.
PUBLIC HEALTH NURSING

†Amy Macowen, M.A., R.N., Director of the Course, (1931)
A.B., Beloit College, 1914; Diploma, Presbyterian Hospital School for Nurses, Chicago, 1922; M.A., Teachers College, Columbia Univ., 1926; Director, Nursing Department, Palama Settlement.
2812 Kahawai St. Hawaii Annex 11

†Frank H. Gaudin, M.D., Child Hygiene, (1932)
M.D., Univ. Toronto, 1927; Hospital for Sick Children, Toronto, 1928-30. 2521 Manoa Rd.

†Agnes T. Clancy, B.S., R.N., Child Hygiene, (1936)
R.N., Mercy Hospital, Chicago, 1917; Diploma, Supervisor of Public Health Nursing, Columbia Univ., 1936; B.S., Columbia Univ., 1936; Assistant Director of Public Health Nursing, Board of Health, Honolulu. Colonial Hotel

SOCIAL WORK TRAINING

Eileen Blackey, M.S.S., Director of the Course, (1936)
B.A., Univ. Wisconsin, 1925; M.S.S., Smith College, 1930.
Makiki Hotel Hawaii Annex 6

Teachers College

Dean: Benjamin O. Wist, M.A.
Acting Dean (1936-37): T. M. Livesay, Ph.D.

Benjamin O. Wist, M.A., Professor of Education, (1931)
B.A., Spokane College, 1910; M.A., Univ. Hawaii, 1924. Absent on leave, 1936-37

Thayne M. Livesay, Ph.D., Professor of Education and Psychology, and Acting Dean, (1924)
2623 Haleiwa St. T. C. 121

E. Vern Sayers, Ph.D., Professor of Education, (1931)
2211 Mohala Way T. C. 119B

Lee Byrne, Ph.D., Acting Professor of Education.
1537-A Wilder Ave. T. C. 102

Fred E. Armstrong, M.S., Associate Professor of Agricultural Education, (1926)
B.S., Clemson College, 1916; M.S., Univ. Minnesota, 1921; Graduate Study, Univ. Minnesota, 1932-33.
2013 Lanihuli Dr. T. C. 213½

R. Ray Scott, Ph.D., Associate Professor of Education, (1935)
Ph.B., Hiram College, 1914; Graduate Study, Union Theological Seminary, 1915; M.A., Columbia Univ., 1916; Graduate Study, Univ. Wisconsin, Univ. Chicago, Univ. Pittsburgh; Ph.D., Ohio State Univ., 1932.
3833 Pukalani Pl. Hawaii Hall 110

†On a part-time basis.
* Several doctors and nurses are engaged to conduct portions of the Course in Public Health Nursing.
IDA J. CARO, M.A., Assistant Professor of Education and Principal, Elementary School, (1931)
2337 Liloa Rise
T. C. 101

WILLIS B. COALE, Ph.D., Assistant Professor of English, (1931)
1329 Highview Pl.
T. C. 102

MADORAH E. SMITH, Ph.D., Assistant Professor of Education, (1931)
A.B., Fargo College, 1907; Lenox College; Univ. Washington; M.A., State Univ. Iowa, 1918; Ph.D., State Univ. Iowa, 1925.
2211 Mohala Way
T. C. 102

JESSE A. TANNER, Ph.D., Assistant Professor of Education, (1931)
1423 Meyers St.
T. C. 102

*GLENN C. COOK, M.S., Assistant Professor of Agricultural Education, (1936)
B.S., Univ. Nebraska, 1922; M.S., Univ. Nebraska, 1923.
Lahainaluna, Maui

BRUCE WHITE, Ph.D., Assistant Professor of Education, (1936)
1839 Makiki St.
T. C. 119A

GEORGE P. GORDON, M.A., Instructor in History, (1931)
302 Liliuokalani Ave.
T. C. 102

DOROTHY M. KAHANANUI, B.S., Instructor in Music, (1931)
Diploma, Territorial Normal and Training School, 1913, 1927; Diploma, Univ. Extension Conservatory of Music, Chicago; Univ. Hawaii; B.S., New York Univ., 1931.
1939 Ahuula St.
T. C. 217

MAY T. KLUGER, B.A., Instructor in English, 1931)
Diploma, Territorial Normal and Training School, 1904, 1925; Mills College; B.A., Univ. Hawaii, 1929.
Pleasanton Hotel
T. C. 102

ELIZABETH D. W. BROWN, Ph.D., Instructor in Natural Science, (1931)
B.A., Maryville College, 1905; M.A., Maryville College, 1911; B.A., Univ. Michigan, 1908; M.S., Univ. Michigan, 1912; Biological Laboratory, Woods Hole; Cornell Univ.; Yale Univ.
1714 Beckley St.
T. C. 214

CARLOS HANCY, B.S., Instructor in Education, (1935)
Diploma, Brigham Young College, 1925; B.S., Utah State College, 1928.
2252 Malama Pl.
T. C. 112

SPENCER W. TINKER, M.S., Instructor in Education, (1932)
Pleasanton Hotel
T. C. 111

GLADYS M. TRAUT, M.A., Instructor in Education, (1931)
2238-G Helumoa Rd.
T. C. Elem. Sch. 4

*In charge of the fifth year program for the training of vocational teachers of agriculture which is conducted at Lahainaluna, Maui, in connection with the Public High School there.
University of Hawaii

DELLA Z. COPP, M.A., Instructor in Education, (1931)
Brookland Hotel  
T. C. Elem. Sch. 4

LORRAINE A. FREITAS, M.A., Instructor in Education, (1931)
Diploma, Territorial Normal and Training School, 1926; B.A., Colorado State Teachers College, 1929; M.A., Colorado State Teachers College, 1931.
1415 Lauhala St.  
T. C. Elem. Sch. 1

LA VERNE M. BENNETT, M.A., Instructor in Education, (1936)
2015-A Makiki Round Top  
T. C. 116

JESSE SHAW FISHER, Ed.B., Instructor in Education, (1933)
Teachers College, Columbia Univ., 1908-10, 1911-12; Ed.B., Univ. Hawaii, 1936.
2121 McKinley St.  
Hawaii Hall 216A

FAITH SNIDER, Instructor in Education, (1932)
California School of Fine Arts, 1926; Rudolf Schaefer School of Design, 1928.
Luke Field, T. H.  
T. C. Elem. Shop

†LESLIE E. Eichelberger, M.A., Lecturer in Education.
A.B., Denver Univ., 1908; M.A., Denver Univ., 1930; Older Boys' Work Secretary, Y.M.C.A., Honolulu.
Kamehameha School Grounds

†LAWRENCE NORRIS, M.A., Lecturer in Education, (1936)
Punahou Farm, 18th Ave.

†ELMER BROWN, M.A., Lecturer in Social Science, (1937)
1115 Lunalilo St.

†FREDERICK B. FORDES, B.A., Lecturer in Boy Scout Training, (1937)
B.A., Oberlin College, 1926; National Training School for Scout Executives, 1916; Scout Executive, Honolulu Council of Boy Scouts of America.
2590 Kolowalu

†EDNA R. REESE, Lecturer in Girl Scout Training, (1932)
Director, Girl Scouts of Oahu.
Niumalu Hotel

LENORA SHANEDLING, B.A., Teaching Fellow in Education, (1936)
B.A., Reed College, 1936.
Women's Dormitory

AGNES C. BICKERTON, M.A., Instructor in Dental Hygiene, (1935)
Univ. California; Diploma, Honolulu Dental Infirmary School of Dental Hygiene, 1921; B.A., Univ. Hawaii, 1932; M.A., Univ. Hawaii, 1935.
2844 Park Ave.  
T. C. 211

†HELEN M. BAUKIN, R.N.H., Lecturer in Dental Hygiene, (1937)
Diploma, Whitewater Normal School, 1913; R.D.H., Eastman School of Dental Hygiene, 1919; Supervisor, Division of Dental Hygiene, Department of Public Instruction.
2711 Anuenue Ave.

†MERVYN I. CONNER, D.D.S., Lecturer in Dental Hygiene, (1936)
D.D.S., Univ. California, 1926; Dental Director, Palama Settlement.
2417 Parker Pl.

† On a part-time basis.
Faculty

†H. DOROTHY DUDLEY, D.D.S., Lecturer in Dental Hygiene, (1936)
Western Reserve Univ., 1916-17; D.D.S., Univ. Denver, 1928.
320 Lewers Rd.

†ALLEN B. HARWELL, D.D.S., Lecturer in Dental Hygiene, (1936)
D.D.S., Vanderbilt Univ., 1921.
Lanikai

†EDWARD C. HOEY, D.M.D., Lecturer in Dental Hygiene, (1936)
D.M.D., Harvard Univ., 1917.
Makalei Pl.

†LYLE G. PHILLIPS, M.D., F.A.C.S., Lecturer in Dental Hygiene, (1936)
B.S., Univ. Wisconsin, 1921; M.D., Rush Medical College, 1923.
2723 Puuhonua St.

†VERNON E. SMITH, D.D.S., Lecturer in Dental Hygiene, (1936)
D.D.S., Univ. Southern California, 1933.
1821 Makiki St.

Department of Athletics and Recreation

OTTO KLUM, B.A., Professor of Physical Education and Director of Athletics, (1921)
B.A., Univ. Hawaii, 1930.
3119 Huelani Dr.

MAY K. GAY, M.A., Instructor in Physical Education, (1925)
1611 Keeaumoku St.

EUGENE GILL, B.S., Instructor in Physical Education, (1930)
B.S., Oregon State College, 1925; Graduate Study, Univ. Oregon; Oregon State College.
Donna Hotel

RUTH D. WATERMAN, M.A., Instructor in Physical Education, (1931)
1340 Highview Pl.

THEODORE SEARLE, B.S., Instructor in Physical Education, (1929)
B.S., Univ. Hawaii, 1926.
424 Elelupe Rd.

LUCY L. MCGOWAN, R.N., Assistant, University Dispensary, (1932)
2344 Beckwith St.

Department of Military Science and Tactics

RAYMOND P. COOK, Major, Graduate of Infantry School, Company Officers Advanced Course, Professor of Military Science and Tactics, (1936)
983 Prospect St.
R.O.T.C. Bldg.

DONALD W. BRANN, Captain, Graduate of Command and General Staff School, Assistant Professor of Military Science and Tactics, (1935)
2181 Kalihi Rd.
R.O.T.C. Bldg.

† On a part-time basis.
University of Hawaii

ARTHUR MENIATIS, Sergeant, Co. B., 35th Infantry, Instructor in Military Science and Tactics, (1930)
1453 Miller St.
R.O.T.C. Bldg.

1230 B-4 Kahauiki St.
R.O.T.C. Bldg.

Graduate School of Tropical Agriculture
Dean: Royal N. Chapman, Ph.D.

ROYAL N. CHAPMAN, Ph.D.
B.A., Univ. Minnesota, 1914; M.A., Univ. Minnesota, 1915; Ph.D., Cornell Univ., 1917; Schuyler Fellow in Biology and Entomology, Cornell Univ., 1915-16; member university staff, Univ. Minnesota, 1916-30; Fellow, Guggenheim Foundation, 1926-27; Special Research, Rothamsted Experiment Station and European Parasite Laboratory, Hyeres, Var, France; Travelling Professor, International Education Board, Rockefeller Foundation, 1927; Director, Experiment Station, P.P.C.A.
2447 Parker Pl.
P.P.C.A. Sta.

BOTANY AND PATHOLOGY

OSCAR NELSON ALLEN, Ph.D., Bacteriology
B.A., Univ. Texas, 1927; M.A., Univ. Texas, 1927; Ph.D., Univ. Wisconsin, 1930; Assoc. Prof. Plant Pathology and Bacteriology, Univ. Hawaii. Absent on leave, 1936-37

MAURICE B. LINFORD, Ph.D., Plant Pathology
B.S., Utah Agr. College, 1922; M.A., Utah Agr. College, 1924; Ph.D., Univ. Wisconsin, 1927; National Research Council Fellow, 1927-29; Associate Pathologist, U. S. Bureau of Plant Industry, summer 1928; Pathologist, Experiment Station, P.P.C.A.
2324 Kaala Ave.
P.P.C.A. Sta.

HAROLD LLOYD LYON, Ph.D., Forest Botany
B.S., Univ. Minnesota, 1900; M.S., Univ. Minnesota, 1903; investigation of cane diseases in Java, Fiji, Australia, Malay States, and the Philippines, 1910-11; investigation of forestry and cane diseases, Southern United States, Cuba, Jamaica, Panama, and Costa Rica, 1919-20; on forestry problems in South and Central America, 1927-28; investigation of forestry and cane breeding in India, Java, Malay States, 1930-31; Director, Experiment Station, H.S.P.A.
1328 Matlock Ave.
H.S.P.A. Sta.

CHRISTOS PLUTARCH SIDERIS, Ph.D., Plant Physiology
B.C., Samos Lyceum, Greece, 1909; B.S., Univ. California, 1921; Ph.D., Univ. California, 1924; Physiologist, Experiment Station, P.P.C.A.
2651 Pamoa Rd.
P.P.C.A. Sta.

GORDON T. NIGHTINGALE, Ph.D., Plant Physiology
B.E., Univ. New Hampshire, 1919; M.S., West Virginia Univ., 1921; Ph.D., Univ. Wisconsin, 1923; Instructor, Univ. Wisconsin, 1921-25; Biochemist, New Jersey Agricultural Experiment Station, and Professor of Horticultural Science, Rutgers Univ., 1925-33; Physiologist, Experiment Station, P.P.C.A.
4066 Black Point Rd.
P.P.C.A. Sta.
Faculty

JOHN H. BEAUMONT, Ph.D., Principal Horticulturist
B.S., West Virginia Univ., 1917; Ph.D., Univ. Minnesota, 1925; Research in Genetics and Plant Physiology, Univ. Chicago, 1920; Cornell Univ., 1921; Member Staff, Univ. Minnesota, 1918-28; Head, Department of Horticulture, North Carolina State College, 1928-32; Head Department of Horticulture, Univ. Maryland, 1932-36; Principal Horticulturist, Hawaii Agricultural Experiment Station.
2609 Doris Pl.

CHEMISTRY AND SOILS

STANLEY S. BALLARD, Ph.D., Physics
A.B., Pomona College, 1928; Graduate Study, Dartmouth College, 1928-30; B.A., Univ. California, 1932; Ph.D., Univ. California, 1934; Research Fellow in Physics, U. S. National Park Service, and Instructor in Physics, Univ. Hawaii.
2845 Oahu Ave.

LEONORA NAUFFER BILGTER, Ph.D., Organic Chemistry
A.B., Univ. Cincinnati, 1913; M.A., Univ. Cincinnati, 1914; Ph.D., Univ. Cincinnati, 1916; Sarah Berliner Fellowship of A. A. U. W., Chemical Research, Cambridge Univ., England, 1924-25; Prof. Chemistry, Sweetbriar College, 1925-26; Soil Chemist, United Fruit Company, stationed in Central America, 1924-27; Assoc. Prof. Agricultural Chemistry, Univ. Arizona, and Assoc. Chemist, Arizona Experiment Station, 1927-30; Chemist, P.P.C.A. Experiment Station, 1930-35; Director, Hawaii Agricultural Experiment Station.
2328 Seaview Ave.

FRANCIS E. HANCE, Ph.D., Soil Chemistry
B.S., Cornell Univ., 1921; Ph.D., Cornell Univ., 1924; August Heckscher Research Fellow and Member of staff, New York State College of Agriculture, 1924-26; Soil Chemist, Experiment Station, H.S.P.A.
2016 McKinley St.

OSCAR C. MAGISTAD, Ph.D., Soil Chemistry
B.S., Univ. Wisconsin, 1922; M.S., Univ. Wisconsin, 1923; Ph.D., Univ. Wisconsin, 1924; Soil Chemist, United Fruit Company, stationed in Central America, 1924-27; Assoc. Prof. Agricultural Chemistry, Univ. Arizona, and Assoc. Chemist, Arizona Experiment Station, 1927-30; Chemist, P.P.C.A. Experiment Station, 1930-35; Director, Hawaii Agricultural Experiment Station.
2226 Hyde St.

HAROLD S. PALMER, Ph.D., Geology
2231 Hyde St.

HAROLD A. WADSWORTH, B.S., Soil Physics
B.S., Univ. California, 1916; Graduate Study, Stanford Univ., 1927-28; Prof. Agriculture, Univ. Hawaii and Soil Physicist, Hawaii Agricultural Experiment Station.
2236 Hyde St.

ENTOMOLOGY

WALTER CARTER, Ph.D., Entomology
B.S., Univ. Montana, 1923; M.S., Univ. Minnesota, 1924; Ph.D., Univ. Minnesota, 1928; in charge of Sugar Beet Insect Investigation, U. S. Bureau of Entomology, 1925-30; Entomologist, Experiment Station, P.P.C.A.
3234 Woodlawn Dr.

CYRIL EUGENE PENDLETON, A.B., Entomology
A.B., Stanford Univ., 1911; with U. S. Bureau of Entomology, 1911-18; beneficial insect exploration and collection in Australia and Fiji, 1921-22; Malay Archipelago, 1925; Entomologist, Experiment Station, H.S.P.A.
4111 Black Point Rd.
Otto H. Swezey, M.S., Entomology.
A.B., Lake Forest College, 1896; M.S., Northwestern Univ., 1897; research in entomology, Ohio State Univ., 1902-03; Entomologist Experiment Station, H.S.P.A.
2048 Lanihuli Dr. H.S.P.A. Sta.

*Carl T. Schmidt, Ph.D., Entomology
B.A., Univ. Minnesota, 1929; Ph.D., Univ. Hawaii, 1934; Member Entomology Staff, Univ. Minnesota, 1926-30; Associated with Citrus Experiment Station, Univ. California, 1931; Research Fellow, Graduate School of Tropical Agriculture, Univ. Hawaii, 1931-34; Associate Entomologist, Experiment Station, P.P.C.A.

Julius L. Collins, Ph.D., Genetics
B.S., Univ. California, 1918; Ph.D., Univ. California, 1923; Asst. Prof. Genetics, Univ. California, 1924-30; Geneticist, Experiment Station, P.P.C.A.
3875 Lurline Dr. P.P.C.A. Sta.

Albert J. Mangelsoorff, Sc.D., Genetics
B.S., Kansas Agr. College, 1916; M.S., Harvard Univ., 1925; Sc.D., Harvard Univ., 1927; study of sugar industries and sugar cane breeding in Formosa, Philippines, Java, and India, 1929-30; Geneticist, Experiment Station, H.S.P.A.
3120 Huelani Dr. H.S.P.A. Sta.

†Carroll P. Wilsie, Ph.D., Agronomy and Genetics
B.S., Univ. Wisconsin, 1926; Ph.D., Michigan State College, 1931; Research Assistant, Univ. Illinois, 1926-27; Research Assistant and Instructor, Univ. Wisconsin, 1927-29; National Milling Company Research Fellow, Michigan State College, 1929-31; Assistant Professor of Agronomy and Genetics, Univ. Hawaii; Agronomist, Hawaii Agricultural Experiment Station.

Oriental Institute
Director: Gregg M. Sinclair, M.A.

Gregg M. Sinclair, M.A., Director
2979 Kalakaua Ave. Library 204

Languages and Literature
Shao Chang Lee, M.A., Professor of Chinese Language and History.
Graduate Canton Christian College, China, 1911; Graduate Tsing Hua College, China, 1913; B.A., Yale Univ., 1917; M.A., Columbia Univ., 1918.
816 Tenth Ave. Library 203

Graduate Aoyama Gakuin College, Japan, 1918; M.A., Oberlin College, 1923; Graduate Study, Tokyo Imperial Univ., 1933-35.
Charles Atherton House Library 211

1822 Nuuanu Ave. Library 211

3289 Keaul St. Library 211

* Absent, 1936-37, on entomology expedition, Brazil.
† Resigned, December 31, 1936.
CULTURES AND CIVILIZATIONS

TASUKU HARADA, D.D., LL.D., Emeritus Professor of Japanese History and Institutions.
B.D., Yale Univ., 1891; D.D., Amherst College, 1910; LL.D., Univ. Edinburgh, Scotland, 1910; President Doshisha Univ., Kyoto, Japan, 1907-19; LL.D., Univ. Hawaii, 1932.

KALIDAS NAG, D.Litt., Visiting Professor of Indian Civilization.

STANLEY D. PORTEUS, D.Sc., Director of Psychological Clinic.
Lecturer, Experimental Education, Univ. Melbourne, 1916; Research Scholar, Anatomy Department, Univ. Melbourne; Director, Research Laboratory, Vineland, N. J., 1919-25; D.Sc., Univ. Hawaii, 1933.

PAUL S. BACHMAN, Ph.D., Professor of Political Science.

FELIX M. KESSING, D.Litt., Associate Professor of Anthropology.
B.A., Univ. New Zealand, 1924; M.A., Univ. New Zealand, 1925; Graduate Study, Yale Univ., 1928-29; Univ. Chicago, 1929-30; D.Litt., Univ. New Zealand, 1933; London School of Economics and Political Science, 1933-34.

ANDREW W. LIND, Ph.D., Associate Professor of Sociology.

JOHN W. Coulter, Ph.D., Associate Professor of Geography.
B.A., Univ. California, 1919; M.A., Univ. California, 1921; Ph.D., Univ. Chicago, 1926.

WILLIAM H. TAYLOR, Ph.D., Assistant Professor of Economics.

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

CLARENCE E. GLICK, M.A., Assistant Professor of Sociology.

SHUNZO SAKAMAKI, M.A., Instructor in History.

†EDWIN G. BURROWS, M.A., Lecturer in Anthropology.
B.A., Cornell Univ., 1913; M.A., Yale Univ., 1932; Graduate Study, Yale Univ., 1934-35.

PHILOSOPHY AND RELIGION

WING-TSIT CHAN, Ph.D., Visiting Professor of Chinese Institutions.
B.A., Lingnan Univ., China, 1924; M.A., Harvard Univ., 1927; Ph.D., Harvard Univ., 1929; Educational Director and Professor of Chinese Culture, Lingnan Univ., China.

† On a part-time basis.
WALTER J. HOMAN, Ph.D., Professor of Religion and Director of the Hawaii School of Religion.
2337 Seaview Ave.

Hawaii School of Religion

CHARLES A. MOORE, Ph.D., Assistant Professor of Philosophy.
B.A., Yale Univ., 1926; Ph.D., Yale Univ., 1932.
1537-O Wilder Ave.

Hawaii School of Religion*

WALTER J. HOMAN, Ph.D., Director and Professor of Religion.
A.B., William Penn College, 1922; M.R.E., Boston Univ., 1924; Ph.D., Yale Univ., 1934.
2337 Seaview Ave.

J. LESLIE DUNSTAN, Ph.D., Lecturer in Psychology of Religion.
B.S., Colby College, 1923; Ph.D., Teachers College, Columbia Univ., 1933.
Central Union Church Campus

STEPHEN A. MARK, M.A., Lecturer in Religion.
1635 Young St.

M.A., Catholic Univ. of America, 1923; S.T.D., Catholic Univ. of America, 1927.
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2697 Kalakaua Ave.
Path. Bldg.

JULIETTE M. OLIVEIRA, M.S., Assistant Nematologist.
Lanikai
Path. Bldg.

MARION C. OKIMOTO, B.S., Scientific Aide.
B.S., Univ. Hawaii, 1934.
2646 Waialae Ave.
Path. Bldg.

FRANCIS T. C. YAP, B.S., Scientific Aide.
B.S., Univ. Hawaii, 1934.
3465 Waialae Ave.
Path. Bldg.

PHYSIOLOGY AND SOILS

GORDON T. NIGHTINGALE, Ph.D., Physiologist.
B.S., Univ. New Hampshire, 1919; M.S., West Virginia Univ., 1921; Ph.D.,
Univ. Wisconsin, 1923.
4066 Black Point Rd.
Main Lab.
CHRISTOS PLUTARCH SIDRIS, Ph.D., Physiologist.
B.C., Samos Lyceum, Greece, 1909; B.S., Univ. California, 1921; Ph.D.,
Univ. California, 1924.
2651 Pamo Rd.
Main Lab.

HAROLD E. CLARK, Ph.D., Associate Biochemist.
B.S., Massachusetts Agric. College, 1928; M.S., Rutgers Univ., 1931; Ph.D.,
Rutgers Univ., 1933.
2129 Kamehameha Ave.
Main Lab.

CARL A. FARDEN, B.S., Assistant Chemist.
B.S., Univ. Hawaii, 1925.
2306 Marques St.
Main Lab.

BEATRICE H. KRAUSS, M.S., Assistant Physiologist.
B.S., Univ. Hawaii, 1926; M.S., Univ. Hawaii, 1930.
2437 Parker Pl.
Main Lab.

LILLIAN S. K. LOUIS, B.S., Scientific Aide.
B.S., Univ. Hawaii, 1931.
1000 Koko Head Ave.
Main Lab.

RICHARD K. TAM, M.S., Scientific Aide.
B.A., Univ. Hawaii, 1933; M.S., Univ. Hawaii, 1934.
1037 Seventh Ave.
Main Lab.

HONG YIP YOUNG, M.S., Scientific Aide.
B.S., Univ. Hawaii, 1932; M.S., Univ. Hawaii, 1933.
1333 Pensacola St.
Main Lab.

United States Bureau of Entomology
And Plant Quarantine
HONOLULU LABORATORY

O. C. McBRIDE, M.A., Entomologist in Charge.
B.S., Univ. Missouri, 1920; M.A., Univ. Missouri, 1922; Graduate Study,
2407 Parker Pl.

DONALD STARR, Ph.D., Senior Chemist.
B.A., Grand Island College, 1929; M.S., Iowa State College, 1931; Ph.D.,
Iowa State College, 1933.
1809 Bingham St.

ARTHUR C. MASON, M.S., Associate Entomologist.
B.S., Univ. Michigan, 1913; M.S., Univ. Florida, 1915.
2347 University Ave.

C. B. KECK, M.S., Assistant Entomologist.
B.S., Kansas State Agricultural College, 1927; M.S., Kansas State Agricultural
College, 1928.
2123 Round Top Dr.

R. H. MARLOWE, M.S., Junior Entomologist.
B.S., Rollins College, 1926; M.S., Univ. Hawaii, 1934.
2432 Prince Edward St.

KAM HU LAU, B.S., Junior Chemical Engineer.
B.S., California Institute of Technology, 1929.
1002 Third Ave.

D. Y. CHANG, Clerk.
1315 Moi Way
The University of Hawaii

The University of Hawaii was established by act of the Territorial Legislature in 1907. It is a land-grant university, and bears the same relation to the Territory that the several state universities bear to their respective states. It draws about one-half of its financial support from Territorial appropriations. Although the University has never received a grant of land, such as was provided for the similar colleges of the states by the original Morrill Act of 1862, it benefits by the Second Morrill Act of 1890. It is open to all who are qualified, regardless of sex, color, or nationality.

The University of Hawaii is fully accredited by the Association of American Universities. Students may transfer to other American and European universities on the same basis as may students of the foremost American universities. Students may also transfer to the leading Oriental universities.

HISTORY

Since the University began to function as the College of Hawaii in 1908, its growth has been constant in number of students, in the scope of its non-academic service, and in the public esteem. Instruction began with two instructors and five students in a temporary location on the grounds of the present Lincoln School.

After a few years the institution was moved to its present site in Manoa Valley. With the addition of a College of Arts and Sciences in 1920, the name of the institution was changed to the University of Hawaii. In 1931 the Graduate School of Tropical Agriculture was organized, and during the same year the Teachers College was added as a result of the consolidation of the Territorial Normal School with the University School of Education. The Territorial Normal and Training School was founded in 1896. During the major part of its existence, it was located at the intersection of Emerson, Lunalilo and Quarry streets. In 1930 the school was moved to two new buildings adjoining the campus of the University. The property of the Territorial Normal and Training School was placed under the control of the Board of Regents of the University when the two institutions were affiliated in 1931.

ORGANIZATION

The University comprises a College of Applied Science, a College of Arts and Sciences, a Teachers College, a graduate division which includes the Graduate School of Tropical Agriculture, the Oriental
Institute, and several departmental units. The University Adult Education Division conducts courses carrying University credit in towns of the Territory other than Honolulu and a few non-credit courses on the University campus. The academic year is divided into two semesters of eighteen weeks each, with a Summer Session of six weeks.

**RELATED SERVICE**

In addition to its instructional program, the University is engaged in several other forms of public service:

*The Psychological and Psychopathic Clinic* is a territorial institution under the management of the University. It makes examinations of persons at the request of the courts, industrial schools, the Board of Health, the Department of Public Instruction and other public institutions and organizations, and, under proper regulation, at the request of private institutions and organizations, parents or guardians. In addition the clinic is conducting investigations in the field of psychology.

*The Cooperative Extension Service in Agriculture and Home Economics* is conducted jointly by the University and the U. S. Department of Agriculture, receiving federal aid on the same basis as the extension services of the several states. It is devoted to the advancement of agriculture in Hawaii and the improvement of rural home life.

*The Hawaii Agricultural Experiment Station* is the product of the amalgamation of the former Federal Experiment Station with the University station, and is conducted jointly by the University and the U. S. Department of Agriculture. This station coordinates its program of research with that of the Hawaiian Sugar Planters' Association and the Pineapple Producers Cooperative Association.

*The Aquarium,* at Waikiki Beach, is operated by the University as a place of education and entertainment for the benefit of the resident public and of visitors. Over a million persons have visited it during the past twenty years.

*The Pineapple Producers Cooperative Association* has affiliated its experiment station with the University, all the expense of this station being borne by the Association. The field work is carried on largely at Wahiawa, 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 U. S. Coast and Geodetic Survey is operating the seismological observatory in Gartley Hall under a special agreement with the University whereby the results and observations are made of service to this Territory.

*The Volcano Laboratory* on the Island of Hawaii, conducted in cooperation with the National Park Service and the Hawaiian Volcano Research Association, offers attractive research possibilities both to graduate students and investigators who wish to pursue their own
University of Hawaii

studies in subjects pertaining to volcanology. The Director of the Laboratory is Thomas A. Jaggar, Professor of Volcanology.

COOPERATING INSTITUTIONS

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

Bishop Museum. By arrangements between the University and the Bishop Museum it is provided that there shall be reciprocity in the use of libraries, laboratories, collections and other facilities of research. Graduate students registered in the University of Hawaii will be allowed to carry on investigations under the guidance of members of the Museum staff, and work done in this way may be credited toward advanced degrees by the University. Advanced students will be allowed the use of 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 of the Institute of Pacific Relations, which affords excellent facilities for the study of international affairs, occupies a portion of the University library.

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

The Hawaiian Sugar Planters' Association maintains an experiment station, the facilities of which are available to the University for instructional purposes. Students in sugar technology may 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 U. S. Bureau of Entomology maintains a research laboratory on the University campus and a corps of investigators devoting themselves to the study of problems pertaining to the fruit fly pests existent in Hawaii.

CAMPUS AND BUILDINGS

The campus, which occupies an area of almost 300 acres, is located in beautiful Manoa Valley, about three miles from the business center of Honolulu. The principal buildings on the campus are Hawaii Hall, Gartley Hall, Dean Hall, the Library, the Teachers College, Farrington Hall, the Engineering Quadrangle, the Gymnasium, and the Agricultural Building. All except the last four are three-story structures and all except the Gymnasium are built of reinforced concrete.

Hawaii Hall is the administration building. The biological science departments are housed in Dean Hall and the chemistry and physics departments are located in Gartley Hall. Farrington Hall is used as an auditorium and is well equipped for dramatic work. The engineer-
Admission

...ing laboratories and classrooms are located in the five one-story concrete buildings which compose the Engineering Quadrangle.

The Library, which contains 96,422 bound volumes and about 300,000 unbound periodicals and pamphlets, is a depository for government publications. Extensive collections of Chinese and Japanese works, cataloged in English, and a growing collection of valuable books and periodicals about Hawaii are among its features. Its collections of local and mainland newspapers, and literary, technical, and scientific periodicals are available throughout the day and evening. All persons complying with the library regulations may draw books.

Residence accommodations on or near the campus include the Charles H. Atherton House for men and a dormitory for women students. Meals are served at Atherton House and the University cafeteria.

A swimming tank, tennis courts, locker buildings, and a cinder track are grouped near Cooke Field, which is used for football, track and baseball practice and military drill. The Associated Students of the University own an interest in the Honolulu Stadium, situated one mile from the campus. A baseball diamond, drill field, and a large amphitheater were recently completed.

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 Student Union Building, the Marine Biological Laboratory at famous Waikiki Beach, and the astronomical observatory in Kaimuki. A part of the campus is occupied by an experimental farm, which is devoted to solving many of the problems of Hawaii's dairymen, poultrymen and livestock raisers, and which provides excellent instructional facilities for students of agriculture.

The herbarium of the University, which is in the custody of the Bishop Museum, contains the most nearly complete collection of Hawaiian plants in existence, including many specimens of species now extinct. The most valuable parts of the herbarium are the cotypes of Dr. W. Hillebrand's species and the types of many new species collected by later botanists.

ADMISSION

It is the purpose of the University of Hawaii to prepare its graduates for special distinction in whatever vocation they may choose and to this end candidates for admission must present satisfactory evidence of their fitness for university work. This is determined in part by the scholastic record made in the school or college last attended, partly by a college aptitude examination, and partly by ratings of personality traits, ability, and fitness for university work.

The University admits four distinct types of students, who are classified as follows: (1) Regular Students, (2) Unclassified Students, (3) Special Students, and (4) Auditors. All candidates for
admission to either of the first three classifications must file an
application form with the Director of Admissions. Application should
be filed at least two months before the opening of the semester in
which the applicant wishes to enroll and the University does not
oblige itself to consider applications filed less than 30 days before the
proposed date of registration. Requests for application forms and
all questions concerning admission should be addressed to the Director
of Admissions.

ADMISSION TO FRESHMAN STANDING

Every applicant for admission to the University as a Freshman must
take the college aptitude examination and must submit evidence of
proper preparatory training by offering in one of the ways mentioned
below, or by combination of two or more of these ways, evidence of
satisfactory preparation in at least 15 units of high school work (12
units from a three-year senior high school), this work to be selected
as described below. These subjects must include 3 units of English
and 1 unit of algebra. (This latter requirement may be satisfied by
the 9th grade General Mathematics of the Intermediate Schools.)
Every applicant must, in addition, satisfy all entrance requirements
of the college in which he expects to take his work. (Pages 58, 62, 70.)

1. An applicant may present a record from an approved secondary
school showing 15 (or 12) units in approved subjects. Applicants
whose high school averages are "B" or better are usually admitted un-
less they fail seriously in the college aptitude examination, in which
case they may not be admitted. Applicants whose high school averages
are "C" but who make scores above average in the college aptitude
examination may be admitted. Special consideration is given to the
quality of work in the junior and senior years of preparatory school.

2. An applicant who is above average ability may take entrance
examinations offered by the University and thus satisfy all or part
of the 15 (or 12) unit requirement.

3. An applicant may take examinations offered by the College
Entrance Examination Board and submit statements from the Board
covering certain subjects, or the applicant may take the comprehensive
examinations offered by the Board and submit a certificate from the
Board covering all entrance requirements. In the latter case the
complete high school record must also be submitted.

A unit signifies the satisfactory completion of a course of study
pursued for a full school year, with five recitations per week of not
less than 45 minutes each, or the equivalent laboratory or shop
exercises.

The 15 units (or 12 units) should include at least 10 (or 8) from
the following fields: English, languages, mathematics, sciences (phy-
sical and biological), and social science.

Any other 5 (or 4) subjects or combinations of subjects to total

* Credit in entrance for languages will not be granted unless at least 2 units
in some one language are offered.
$ (or 4) units, credited by the school toward its diploma, will be accepted. However in no case will more than 2 units or less than $\frac{1}{2}$ unit be accepted in any subject, and such subjects must have been pursued in accordance with regular classroom procedure involving a reasonable amount of preparation in addition to the time spent in class.

Candidates desiring to study mathematics in the University or to elect subjects for which mathematics is a prerequisite should offer algebra through quadratics and plane geometry; those desiring to enter the course in Engineering must offer trigonometry in addition to the above, in order to complete the course in four years. Solid geometry is strongly recommended but not required.

Candidates offering freehand drawing and perspective must submit drawings made in the preparatory school.

ADMISSION TO ADVANCED STANDING

Admission to advanced standing may be granted to students who transfer with sufficient credits from another university or college of recognized standing. Students thus transferring must present an official statement of the studies offered for admission at that institution, of the studies pursued in college, and the grade received in each, and also a certificate of honorable dismissal. Credit toward graduation will be given only in subjects in which a grade of C or better is recorded. Candidates transferring with advanced standing are required to do a minimum of one year's work at the University of Hawaii (30 semester hours) in order to receive the Bachelor's degree.

ADMISSION OF UNCLASSIFIED STUDENTS

Mature persons, ordinarily only such as are at least 21 years of age, who present satisfactory evidence of their ability to carry on the work desired may register as Unclassified Students, taking a limited program of courses. Persons less than 21 years of age may be admitted as Unclassified Students provided they are able to meet fully the entrance requirements for regular Freshman standing, but desire to carry only a limited program of courses not leading toward a Bachelor's degree.

Persons of some maturity who have had experience that manifestly prepares them for college work may be given entrance credit for such work. Just what forms of work will be given credit and just how many credits will be granted cannot be stated in advance, but each case will be passed upon individually.

Admission as an Unclassified Student is in no case permitted as a means of avoiding compliance with the requirements laid down for regular students.

ADMISSION OF SPECIAL STUDENTS

Qualified persons who are unable or who do not care to meet the regular university entrance requirements may be admitted to certain
courses as Special Students. Special Students attend classes and take part in the courses for which they are registered but they do not receive university credit for the work done.

ADMISSION OF AUDITORS

Auditors are persons who are permitted to attend certain courses as listeners, not partaking in the class work and receiving no credit. Persons desiring the privilege of attending classes as Auditors make application to the Registrar at the time of registration. If the application is granted, the Auditor will pay the regular course fee and be issued an Auditor’s card.

ADMISSION OF GRADUATE STUDENTS

Graduates of an accredited collegiate institution may be admitted as graduate students and candidates for an advanced degree. Requirements governing this are stated in more detail on pages 50 and 75.

CREDITS AND GRADE POINTS

Recognition of work done is given in terms both of credits and of grade points. A credit is the equivalent of three hours per week spent in the preparation and recitation of a lesson, or in the field or laboratory. The exact division of this time, however, is generally left to the professor in charge.

Grade points are computed as follows: For each semester hour 4 grade points are granted when the grade is A; 3 grade points when the grade is B; 2 grade points when the grade is C; and 1 grade point when the grade is D.

Grade points are computed in all courses in which grades are reported, including Military Science and Physical Education.

A student is not entitled to grade points for grades received upon re-examination after being conditioned in any subject.

Further registration is denied students who fail: (a) to pass in any year (or when withdrawing from the University during the semester to be passing in) 50% of their registered credits, (b) to have earned after two semesters' attendance 1.5 times as many grade points as total registered credits, (c) to have earned after four semesters' attendance 1.8 times as many grade points as total registered credits.

Students entering as undergraduates with advanced standing will not be given grade points upon work done elsewhere; but on work done here must gain grade points in the same proportion to credit hours required for graduation as is demanded of other students.

No student with entrance conditions will 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 the Bachelor’s degree is dependent not only upon academic standing but also upon proficiency in oral and written English.
To graduate from the University of Hawaii, the student must have gained a minimum of 264 grade points. To receive the degree after failure to graduate because of lack of grade points, a minimum of 30 grade points must be earned in some one semester, or a minimum of 14 grade points earned in a summer session in courses approved by the Dean of the College in which the student is registered. Minimum credit requirements vary in the colleges and in the different courses. In the College of Arts and Sciences the minimum requirement is 128 credits; in the College of Applied Science it varies from 136 to 148 credits, and in the Teachers College 130 credits are required.

INDEPENDENT STUDY AND SPECIAL HONORS

Students who have completed two years of university work and have shown exceptional ability in certain fields of study may be permitted to carry on independent study in such fields, if they secure the approval of the heads of the departments concerned and the Committee on Honors Courses. Students who fulfill these requirements may be excused from the usual attendance requirements in all courses given by the departments with which they are carrying on such independent work. Students successfully completing independent study programs may expect to receive at graduation the recognition of Special Honors. Before making application for permission to do independent study, students should consult Dr. J. Wesley Coulter, the chairman of the committee.

MILITARY TRAINING

In accordance with the requirements placed by the United States Congress on all land-grant colleges, this University offers instruction in military science and tactics. This is required during the Freshman and Sophomore years of all physically fit male students who are citizens of the United States, but is optional in the Junior and Senior years. A senior unit of the Reserve Officers' Training Corps is located at the University, and this advanced instruction leads to a reserve commission in the United States Army.

PHYSICAL EDUCATION

All first and second year students under 25 years of age who are carrying 10 or more credits are required to take physical education. A medical and physical examination must be taken by all students upon entrance. This examination is made by an authorized physician under the direction of the Physical Education Department of the University.

BACCALAUREATE DEGREES

On satisfactory completion of a regular course in the College of Applied Science, a candidate is granted the degree of Bachelor of Science (B.S.), the diploma designating the course which has been
pursued. The degree of Bachelor of Arts (B.A.) is granted upon the satisfactory completion of a regular course in the College of Arts and Sciences. The degree of Bachelor of Education (Ed.B.) is granted upon the satisfactory completion of the regular course in the Teachers College, with an additional fifth-year diploma awarded for the completion of the five-year program.

The University of Hawaii will permit the substitution of the first year in an approved professional school for the fourth year of the University course; and will, upon the satisfactory completion of three years of a University course and one year in an approved professional school, grant the degree of B.S. or B.A. according to the course pursued.

The Bachelor's degree will be granted only to those who have earned a minimum of 30 semester hours in residence, and in addition have either (a) been in full attendance at the University during the year just preceding the granting of the degree (full attendance being understood as a minimum of 14 semester hours per semester) or (b) earned a minimum total of 24 residence credits during any four of five consecutive summer sessions just preceding the granting of the degree, or (c) earned a minimum total of 24 residence credits by carrying not less than 2 semester hours per semester and 6 semester hours per summer session in any three of four consecutive years just preceding the granting of the degree.

Completion of all graduation requirements must be within ten years of the beginning of work in the University of Hawaii, except that students registered in the University prior to 1932 or previously registered in the Territorial Normal School may have the following privilege:

(a) Any such student who by June 1932 had completed three full years (96 credits) or more will be allowed five years from September 1932.

(b) All others will be allowed ten years from the same date.

Not more than 25 per cent of the total credits to be earned at the University of Hawaii for the degree may be Extension Course credits and if the residence requirement and the Extension allowance are in conflict the residence requirement takes precedence.

PREPARATION FOR PROFESSIONAL DEGREES

The prospective student of medicine may follow either of two lines of procedure. He may take a two-year course, comprising only such studies as are required for admission to the medical school, or he may remain for three years, thereby obtaining a better preparation for his professional studies and at the same time satisfying the requirements for the degree of B.S. or B.A. It is thus possible to obtain both the degrees of B.S. or B.A. and M.D. in seven years.

Students planning to spend but two years in preparation for medical school or desiring the degree of B.S. should register in the course in General Science in the College of Applied Science. Persons desiring
the degree of B.A. should register in Group III in the College of Arts and Sciences.

The medical schools adopting the requirements prescribed by the American Medical Association demand a minimum of 15 high school units, of which at least three must be in English, two in some one foreign language, two in mathematics (including algebra through quadratics), and one in history.

They also require a minimum of 60 university credit hours, as shown by the following schedule:

<table>
<thead>
<tr>
<th>REQUIRED SUBJECTS</th>
<th>SEMESTER HOURS</th>
<th>UNIVERSITY OF HAWAII EQUIVALENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>8</td>
<td>Chem. 101 or 102, 150, 151, 152, 153.</td>
</tr>
<tr>
<td>Physics</td>
<td>8</td>
<td>Physics 102.</td>
</tr>
<tr>
<td>Biology</td>
<td>8</td>
<td>Botany 101, Zool. 150 and 151.</td>
</tr>
<tr>
<td>English Composition</td>
<td>8</td>
<td>English 100, or 102.</td>
</tr>
<tr>
<td>Other Non-Science subjects: History, Language, Economics</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

SUBJECTS STRONGLY URGED SEMESTER HOURS
A modern foreign language 6 to 12
Advanced botany or advanced zoology 3 to 6
Psychology 3 to 6
Advanced mathematics, including trigonometry 3 to 6

OTHER SUGGESTED ELECTIVES
- English (additional), economics, history, sociology, political science, logic, mathematics, drawing, Latin, Greek.

Students preparing for schools of law or theology may obtain the degree of B.A. by satisfactorily completing three years of work in the University of Hawaii, and one year in an approved school of law or theology.

SUMMER SESSION

The Summer Session of the University is attracting widespread interest and increasing numbers of students. Designed primarily for the benefit of those who cannot attend the University during the Winter and Spring semesters, it has attracted large numbers of students from outside the Territory because of its unique features and the unusual distinction of its faculty, which is drawn from the leading universities on both sides of the Pacific Ocean.

The School of Pacific and Oriental Affairs is a special feature of the Summer Session and provides opportunities for graduate and undergraduate instruction and research in the economic, political, cultural and social relations of the various nations bordering the Pacific, as well as in the history, geography, anthropology, racial psychology, and religions of that region. The Volcano Laboratory offers unique opportunities for students interested in volcanology.

Summer Session students, both graduate and undergraduate, pay a fee of $5 a credit hour.

The schedule of classes permits the average student in the summer session to gain 6 credits, taking three 2-credit courses. The instructional work is kept on a par with that of the longer sessions and credits given in summer courses are of equal worth with credits in the regular courses, applicable toward a degree.
ADMISSION OF GRADUATE STUDENTS

Graduates of an accredited collegiate institution may be admitted as graduate students and candidates for an advanced degree. Requirements are stated in more detail below and on page 75.

GRADUATE STUDY AND RESEARCH

Research is considered by the University as one of its important functions and it is devoting some of its resources and energy to practical studies in the fields of tropical agriculture, oriental studies, anthropology, sociology, geography, history, international relations, education and psychology, chemistry, physics, physical geology, zoology, botany, and marine biology. Hawaii offers special opportunities for research in these fields and mature students from any part of the world are invited to come here to share in these programs of study, using the facilities of the University and of related institutions.

The Graduate Division is administratively independent of the undergraduate colleges but closely cooperates with them in curriculum and instructional personnel. The general rules and regulations governing graduate study are laid down by the Graduate Committee, of which the Director of the Graduate Division is chairman. For the purpose of emphasizing advanced study in certain fields and of cooperating with certain affiliated research institutions in offering graduate work, the following institutions have been established within the Graduate Division:

The Graduate School of Tropical Agriculture.
The Oriental Institute.
The Kilauea Volcano Laboratory.

ADVANCED DEGREES

Graduates from accredited institutions may engage in graduate study in certain fields looking toward the degree of Master of Arts, of Master of Science, or of Master of Education, provided the undergraduate work done is essentially the equivalent of that required for the corresponding baccalaureate degree. Admission to graduate study does not imply admission to candidacy for an advanced degree.

The Doctor of Philosophy degree is given in the Graduate School of Tropical Agriculture, a detailed statement of which occurs on page 75. The requirements for this and for the Master’s degrees are standard.

The minimum requirement for the Master’s degree is one year of advanced work in residence, or its equivalent, which is usually computed as 30 semester hours. The candidate must satisfactorily complete a program of advanced study for which his previous education has laid the necessary foundation, and must also present an acceptable thesis and pass the required examinations. Four Summer Sessions, with additional research or special advanced study, may be accepted as fulfilling the residence requirement for this degree.
Work of advanced grade done at institutions other than the University of Hawaii may be accepted as fulfilling part of the requirements for the Master's degree, provided that the amount of work done at the University of Hawaii shall be equal to at least one-half of the total work required. The amount of credit to be allowed for work done elsewhere will be determined by the Director of the Graduate Division after examination of the transcript of record of the candidate.

Courses numbered 300 and over in this catalog are graduate courses and some of those numbered 200 and over may be taken by graduate students, the passing mark for such courses being B.

Applications for admission to graduate study must be made to the Director not later than October 1 for the first semester, or February 24 for the second semester, and should be accompanied by transcript of record issued by the institution from which the applicant has received his Bachelor's degree, and also by transcripts of any graduate work done at other institutions. In case the amount of undergraduate work is deemed insufficient, the applicant, if accepted, may be required to take additional undergraduate courses.

Candidates for an advanced degree must register at the beginning of each semester in which work is done.

The student's advanced work is restricted to a major subject and to closely related courses in one or two other fields. A reading knowledge of a foreign language may be required of a candidate for a Master's degree at the discretion of the Committee in charge of his work.

A Graduate Announcement giving more detailed information concerning advanced work may be obtained from the Division of Publications or from the Director of the Graduate Division.

Admission to the Summer Session is governed by the same rules that apply to the longer semesters. Candidates for the Master's degree may fulfill the requirement for credits in four summer sessions, but additional work must be done in the preparation of the thesis. At least two of these four sessions must be at this University.

Announcement of courses for the 1937 Summer Session, June 28 to August 6, will be sent upon request.

THE ADULT EDUCATION DIVISION

The University Adult Education Division offers a varied program of service whereby its educational facilities are available beyond the confines of the campus. These may be classified as follows: (1) special courses of instruction, both credit and non-credit, offered at such times and places as may be most convenient for the people thus served; (2) lecture service; (3) educational film service; (4) play loan service; (5) miscellaneous public service; (6) correspondence courses.

Extension courses are offered, both on Oahu and on the other
islands, for the benefit of those adult persons who cannot attend the regular courses.

Admission to extension courses giving credits is governed by the same rules as admission to regular courses. Extension courses which give no credit are open to any adult person who is interested and wishes to enroll.

Credits gained in extension courses conducted by the University of Hawaii may be applied toward the Bachelor's degree, but not more than 25 per cent of the total credits required to be earned at the University for the degree may be extension course credits, and such credits are not counted as fulfilling the residence requirement.

Special announcements of extension courses and other forms of service are issued from time to time and not included in this catalog, but may be obtained from the University Adult Education Division.

**CIVIL ENGINEER DEGREE**

The degree of Civil Engineer (C.E.) will be granted to Bachelors of Science in Civil Engineering from this institution, who, after graduation, shall complete two years of practical experience in their chosen profession, present a satisfactory paper upon some topic of interest connected with their work, complete certain assigned problems, and pass required examinations. Regulations governing the granting of this degree are essentially those governing candidates for Master's degrees, so far as fees, registrations, dates for filing notices, etc., are concerned.

**SUGAR TECHNOLOGIST DEGREE**

The degree of Sugar Technologist (S.T.) may be granted to Bachelors of Science in Sugar Technology from this institution and to other Bachelors of Science, whose undergraduate work has included the proper basic studies. To become a candidate for this degree, two years of practical experience after graduation are required and the candidate must successfully pass a qualifying examination based on assigned reading in the general field of sugar technology. Later a thesis, or final report, covering some topic of distinct value closely allied to the practical work of the candidate, must be presented and accepted by the candidate's committee. Regulations governing this degree are essentially those governing candidates for Master's degrees, so far as fees and registration are concerned. The date for the qualifying examination will be arranged on consultation with the chairman of the candidate's committee and the Chairman of the Committee on Graduate Work.

**TUITION AND FEES**

All regular students, both undergraduate and graduate, pay a tuition fee of $100 an academic year, or $50 a semester. Part-time students, including specials, auditors, Summer Session, and extension students,
taking a program of less than 10 credit hours, pay a tuition fee of $5 a credit hour.

In addition to the tuition fee, a registration fee of $10 a semester is charged all regular students carrying 10 or more credit hours.

No refunds will be made after the two weeks' interval following the announced registration days. During this period, changes of schedule or withdrawal may be made without penalty or forfeiture. Late registrants will be charged a fee of $1.

Laboratory and special course fees are indicated in the description of courses. Students may be billed for excessive breakage of equipment at the discretion of the instructor.

All students are required to pay a diploma fee of $5 at the time of graduation. A fee of $1 is charged for each copy of transcript of record after the first such copy has been issued.

All graduate students pay a fee of $5 before the award of the advanced degree, to cover the cost of binding two copies of the thesis. Hoods for the graduation ceremony may be rented from or purchased through the University business office.

The use of steel book lockers may be secured from the business office by making a deposit of $1, fifty cents of which will be refunded upon return of the key.

All fees must be paid as part of registration and no registration card will be finally accepted until it is endorsed showing payment.

No student is permitted to register until all outstanding indebtedness to the University has been liquidated unless special permission has been obtained from the Treasurer.

LIVING EXPENSES

The rates for board and room in Atherton House range from $40 to $55 a month. The rate for rooms in the Women's Dormitory together with the evening meal (except Sundays) is $25 a month, payable in advance. This rate is subject to change in accordance with important changes in the prices of foodstuffs. Breakfasts and lunches are not included in this rate but may be had at the University Cafeteria at very reasonable prices.

It is estimated that the total expense to an average student is from $500 to $600 a year, including board and room, tuition and fees, books, and club organization dues, but not including clothes, laundry, and pocket money.

STUDENT ACTIVITIES

The Associated Students of the University of Hawaii is a self-governing organization in which all regular undergraduate students of the University are members. Its policies are determined by an elective student council.

This organization controls numerous activities, among which the most important are football, basketball, track, baseball, swimming,
and minor sports, debating, dramatics, a semi-weekly newspaper, and a year book.

The University athletic and debating teams hold intercollegiate contests with teams from Pacific Coast and Oriental universities. The University of Hawaii Theatre Guild is a unique organization, numbering among its members persons of a dozen nationalities, which annually presents a Caucasian, Japanese, Chinese and Hawaiian drama, each with the proper racial cast.

In addition, there are a large number of scholastic, honorary, professional, and social organizations, which are designed to promote student welfare.

STUDENT AID

The Committee on Student Aid undertakes to assist needy students to find part-time employment; also to assist in finding suitable living quarters for out-of-town students.

SCHOLARSHIPS, LOANS AND PRIZES

The University offers financial aid in the forms of scholarships and loans. Excepting a few which are available only to persons named by the donors, these scholarships are awarded by the University upon the recommendation of the committee on Student Aid. Unless otherwise specified, all scholarships are awarded annually, and may be withdrawn if a good standard of scholastic work is not maintained. Several loan funds afford financial aid to students on generous terms. Prizes are awarded annually for achievement in special fields.

Applications for scholarships should be addressed to the President of the University before June 30 to be sure of adequate attention. Loans may be applied for through the committee on Student Aid at any time during the year.

SCHOLARSHIPS

Associated Women Students—Two scholarships of $50 each are awarded to regular woman students above Freshman standing.

Chinese Community—A fund of about $3,000 has been given to the University of Hawaii to endow scholarships for Juniors and Seniors of Chinese ancestry.

Chinese Women's Club—A scholarship of $50 is awarded to a deserving and needy Chinese woman student above Freshman standing.

Hyung Jay Club—A scholarship of $60 is awarded to a woman student of Korean ancestry and of Junior or Senior standing.
Loans and Prizes

ference is given to women who are interested in the work of the Hyung Jay Club of the Y. W. C. A.

Ke Anuenue—The sum of $50 is awarded to an Hawaiian girl above Freshman standing.

Leora Parmelee Dean—The sum of $100 is awarded by the Woman's Campus Club of the University to deserving and needy young women. Application for this scholarship should be addressed to the Chairman of the Scholarship Committee of the Campus Club.

Mary Dillingham Frear—A scholarship of $150 is awarded to a meritorious and needy upperclass student.

Maui Hawaiian Woman's Club—A scholarship of $100 is awarded to a graduate of a Maui high school.

Maui Woman's Club—A scholarship of $100 is awarded by the Maui Woman's Club to a graduate of a Maui high school.

Phi Beta Kappa Recognition Fund—Phi Beta Kappa Association of Hawaii maintains a fund for the recognition of high scholastic standing among students.

Prince Fushimi Memorial Educational Fund—The sum of $300 is available annually for the assistance of American citizens of Japanese ancestry of high scholastic and good moral standing who are unable to pay fully their educational expenses.

Ruth D. Scudder—A scholarship is awarded to a deserving woman student from a Memorial fund maintained by the Woman's Society of Central Union Church.

Stephen Spaulding—The income of an endowment of $2,500, given by Florence Tucker Spaulding in memory of her son, Stephen Spaulding, ex-1927, is awarded as a scholarship to a male student.

Wakaba Kai—Two scholarships of $50 each are awarded to Japanese girls above Freshman standing.

Yang Chung Hui—The sum of $50 is awarded to a Chinese girl above Freshman standing.

LOAN FUNDS

The Alumni Student Aid Fund may be used by needy students maintaining good scholastic records.

The American Association of University Women of Honolulu offers loan fund aid to needy women students.
The Associated Women Students Fund provides small loans to women students for short periods of time.

The Chinese Students' Alliance of Honolulu provides $300 annually for loans to Chinese students who are members of the C. S. A.

The Chinese Women's University Club and the Chinese Women's Club maintain a loan fund for Chinese women students.

The Daughters of the American Revolution Student Fund of Hawaii affords financial aid for the benefit of students, either women or men.

The Dollar Fund provides small loans for short periods of time.

The Future Farmers of America, Uniwai Chapter, offers loans to students enrolled in vocational agricultural classes.

The George H. Lamy Fund is open to students in engineering.

The Hawaii Chinese Civic Association provides loans to upper-class students of Chinese ancestry.

The Hawaiian Japanese Civic Association offers loans to worthy Seniors of Japanese ancestry.

The Hawaiian University Association offers loans to students of Hawaiian ancestry. Juniors and Seniors preferred.

The Helen Strong Carter Fund is open to students needing dental treatment.

The Inez Wheeler Westgate Fund is the gift of the late Mrs. Inez Wheeler Westgate, available to any worthy and needy student.

The Japanese Students' Alliance provides loans for students of Japanese ancestry, preference being given to members of the Alliance.

The Maui Woman's Club Fund is open to University students who have graduated from Maui high schools.

The McKinley Scholarship Fund may be used by University students who have attended McKinley High School.

The Moir-Ross Health Endowment offers loans to students needing the services of a physician.

The N. G. B. Fund, the gift of Mr. Guy Buttolph, is available to any needy and worthy student.

The P. E. O. Sisterhood offers a loan scholarship of $100 to an upper-class woman student.

The Representatives Club Fund is available to students selected on the basis of need, scholastic standing, and interest in athletics.
The **Rotary Club Fund** is available to needy students of Junior or Senior standing.

The **Senior Fund** is available to Seniors of any college.

The **Student Fund of Teachers College** may be used by students enrolled in Teachers College.

The **Te Chih Sheh Fund** provides loans for members of Te Chih Sheh.

**PRIZES**

*Dean Prize for Research*—The Arthur Lyman Dean prize is offered annually by the University Faculty for the encouragement of research.

*Banks Memorial Prize*—The Charles Eugene Banks Memorial Prize is awarded yearly to the student who shows the most ability in creative writing.
The College of Arts and Sciences has a twofold purpose. Its first aim is to make possible a comprehensive and thorough acquaintance with those fields of thought and achievement, both in the humanities and the sciences, upon which our present civilization has been reared. It seeks also, through the operation of a system of group electives, commencing with the Sophomore year, to prepare the student for those activities which are professional rather than technical in their nature, such as law, medicine, teaching, journalism, commerce, and public and social service.

In the main, therefore, the courses of study offered in this College are those generally recognized as forming the basis of a liberal education. Because of our unique geographical position, standing midway between continental America and the Orient, Hawaii must understand the Orient as well as the Occident. More than usual attention is therefore given to the languages, literature, philosophy, and history of the lands bordering upon the Pacific.

Admission. For admission to this college 15 (or 12) acceptable units as defined on pages 44 and 45 should be offered, 3 of which must be in English and one in algebra. (This latter requirement may be satisfied by the 9th grade General Mathematics of the Intermediate Schools.) Students planning to enter Group III, Biological and Physical Sciences, will find it advantageous to offer high school algebra through quadratics and plane geometry.

Requirements for Graduation. To be entitled to the degree of Bachelor of Arts, the candidate must:

(a) have passed all the prescribed studies (see page 48)
(b) have received credit for a minimum of 128 semester hours, and
(c) have gained a minimum of 264 grade points.*

Graduates from the College of Arts and Sciences are awarded the degree of Bachelor of Arts.

Language Requirements. Students in the College of Arts and Sciences must complete any one of the following: French 101, Spanish 101, German 101, Oriental Studies 200, 200-B, or 202, Hawaiian 200, or an equivalent. If advanced credit covering any of the above is presented by a candidate at the time of admission to the University from any source other than another accredited college or university, an additional year's work over and above that presented is required to be done at the University of Hawaii in fulfillment of the foreign language requirement. Students who fail to meet this requirement will not be allowed credit toward graduation for a language course taken later to make up this deficiency.

Number of credit hours a semester. No student in the College of Arts and Sciences shall be permitted to register for more than 16 credit hours in any semester, exclusive of the prescribed courses in Military Science and Physical Education, unless he has earned a minimum of 45 grade points in the preceding semester, in which case he may register for an additional two hours. However, in no case shall the total number of hours carried, including Military Science and Physical Education, exceed 19 credit hours.

Although the greater part of the work is elective, the student is

* For an explanation of grade points see page 46.
expected to select his studies in conformance with a well-defined program. To this end he registers in one of the four groups of allied subjects indicated below, and is given a faculty adviser who will assist him in his choice of studies. No credit will be given for any course not regularly entered, with the Dean's approval, upon the registration card.

Group I. Social Sciences.
Group II. Languages, Literature, and Art.
Group III. Natural and Physical Sciences.
Group IV. Economics and Business.

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

GENERAL REQUIREMENTS

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>SEMESTER CREDITS</th>
<th>SECOND YEAR</th>
<th>SEMESTER CREDITS</th>
</tr>
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<tbody>
<tr>
<td>English 100 or 102</td>
<td>3</td>
<td>English 150</td>
<td>3</td>
</tr>
<tr>
<td>Science*</td>
<td>3 or 4</td>
<td>Science*</td>
<td>3 or 4</td>
</tr>
<tr>
<td>Pol. Sci. 150, 151</td>
<td>3</td>
<td>Modern Language†</td>
<td>3</td>
</tr>
<tr>
<td>Modern Language</td>
<td>3</td>
<td>Mil. Sc.</td>
<td>2</td>
</tr>
<tr>
<td>MIL. SC.</td>
<td>1</td>
<td>Phys. Ed.</td>
<td>1</td>
</tr>
<tr>
<td>Phys. Ed.</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

GROUP REQUIREMENTS

In addition to the courses listed above as required of all students in the College of Arts and Sciences, certain elective courses must be chosen to meet the group requirements stated below. Other electives may be chosen as the student desires, provided the prerequisites of the courses are satisfied. The student is expected, however, to map out a plan of study with the aid of a faculty adviser. The group electives are listed under the heads of the respective groups, together with the year in which they can ordinarily be most advantageously taken.

GROUP I—SOCIAL SCIENCES

Students preparing for the study of law, journalism, or for public or social service§ will select this group. A minimum of 42 semester hours of credit in the Social Sciences is to be selected with the approval of the group adviser from the courses listed below:

FIRST AND SECOND YEARS:
- Anthropology—Sociology 150-151
- Econonica 150, 151
- History 100
- Philosophy 150, 151
- Police Administration 155
- Political Science 170
- Psychology 150
- Religion 150

THIRD AND FOURTH YEARS:
- Anthropology 250, 251, 254, 260, 265, 267, 268, 272, 275, 276, 290
- Economics 223, 250, 251, 252, 256, 276, 277, 285, 286
- Geography 252, 255, 262, 263, 271
- History 204, 210, 211, 212, 213, 222, 228, 229, 241-242, 243, 244-245, 249, 250, 251, 253-254, 257, 261, 265, 270, 273, 276, 281, 285, 288
- Oriental Studies 241, 254, 271, 281, 282, 283
- Philosophy 252-253, 260-261, 270-271, 280, 290, 291
- Police Administration 251, 254, 257, 258
- Political Science 200, 256, 258, 261, 267, 268, 270, 290
- Psychology 200, 252, 280
- Social Work Training 200
- Sociology 252, 253, 255, 256, 267, 268, 269, 270, 272, 274, 276, 280-281, 282-283

History 100, Economics 150-151 and Anthropology-Sociology 150-151 are required of students in this group.

* Chem. 101 or 102, or Bot. 101, or Zool. 150, 151, or Survey 100. This requirement may be met either in the Freshman or the Sophomore year.
† Unless met by end of Freshman year.
§ Students preparing for Social Work Training should confer with Miss Blackey in regard to their programs of study.
Group II—Languages, Literature, and Art

Students desiring to specialize either in languages and literature, or in art, should select this group.

Of the elective courses, a minimum of 40 semester hours must be chosen from the courses in English, French, Spanish, German, Hawaiian, Oriental Languages and Literature, and Art; Economics 223; History 100, 210; Political Science 170, 200; Psychology 252; Anthropology-Sociology 150-151; Oriental Studies 254-255; Philosophy 150-151, 252, 253, and Religion 150, 211.

Group III—Natural and Physical Sciences

Students preparing for medicine or dentistry will select this group, provided they are candidates for the degree of Bachelor of Arts. See page 48.

Of the elective courses, at least 48 semester hours must be chosen from some group of related sciences. A statement of the minimum requirements of medical schools and of subjects strongly urged appears on page 48.

First and Second Years:

Chemistry 101, 102, 150, 153, 271
Botany 101, 102, 151, 155, 156, 158, 160, 161, 162, 163, 164
Mathematics 104, 106, 149, 150, 151, 152, 153
Physics 102, 150, 151, 153, 155, 157

Third and Fourth Years:

Chemistry 211, 212, 215, 230, 260, 261, 262, 263, 313, 316, 317
Botany 200, 210, 253, 254, 256, 258, 260, 263, 265, 267, 268, 269, 271, 272, 300
Zoology 210, 251, 253, 254, 255, 257, 260, 261, 262, 270, 285, 291, 300
Mathematics 252, 253, 254, 255, 272, 273, 275
Physics 202, 290, 293, 295, 297, 361
Geology 252, 253, 255, 261, 300

Group IV—Economics and Business

Students desiring a training in economics and business will register in this group. During the Freshman and Sophomore years, courses are offered in English, a foreign language, Anthropology-Sociology, Political Science, History, and Geography. Specialization in Economics and Business begins in the Junior year. The student then selects, with the assistance of the group adviser, one of the five fields or programs of study into which the work of the group is divided. These fields are: (a) Business Management and Finance, (b) Merchandising, (c) International Economics and Trade, (d) Accounting, and (e) General Economics. Each of these fields comprises in addition to a liberal allowance of elective credit hours a group of required courses so selected as to present a general survey of economics and business and a considerable degree of specialization in the field concerned. Students who are undecided as to their future business connections will register in Economics. In addition to the above programs of study, a special program designed to meet the need of women who plan to enter the field of business is offered.

Programs of Study in Economics and Business

First Year

English 100 or 102
Political Science 150, 151
Modern Language (French, German, Spanish, Hawaiian, Japanese or Chinese)
Geography 150, 151

Second Year

English 130
Modern Language (Continued)
Economics 150-151
Business 150-151 or 152-153 (not required for General Economics Program).
ART
274

BUSINESS
259, 260-261, 264, 265, 266, 267, 270-271, 291
256, 257, 261, 265, 281

BUSINESS MANAGEMENT AND FINANCE

ECONOMICS

POLITICAL SCIENCE AND HISTORY (6 credit hours)

SOCIOLOGY (3 credit hours)

COFFEE

ART
259, 260-261, 264, 265, 266, 267, 270-271, 291
256, 257, 261, 265, 281

ACCOUNTING

GREEN ECONOMICS

BUSINESS
259, 260-261, 264, 265, 266, 267, 270-271, 291
256, 257, 261, 265, 281

BUSINESS MANAGEMENT AND TRADE

ECONOMICS

POLITICAL SCIENCE AND HISTORY (6 credit hours)

SOCIOLOGY (3 credit hours)

PROGRAM FOR BUSINESS WOMEN

ART
259, 260-261, 264, 267, 270-271, 273, 276, 280, 291
256, 257, 261, 281

POLITICAL SCIENCE AND HISTORY (6 credit hours)

SOCIOLOGY (3 credit hours)
The College of Applied Science combines the instructional program usually offered by colleges of agriculture and colleges of engineering. Five lines of study are offered to students of this College, as follows:

1. Agriculture
2. Engineering
3. Sugar Technology
4. Home Economics
5. General Science

During the first two years of the course physical education is required of all students, and Military Science of all physically fit male students who are citizens.

Admission. Candidates who wish to complete the engineering course in four years must present credentials showing they earned high school credits in algebra through quadratics, plane geometry and trigonometry. In addition, solid geometry is strongly advised but not required. In other courses in which college mathematics is a requirement algebra through quadratics and plane geometry should be presented for entrance.

Candidates expecting to study engineering are strongly urged to begin the study of both physics and mechanical drawing in preparatory school. Candidates offering mechanical drawing as an entrance unit will be required to submit the plates drawn by them in the preparatory school. They will be placed in a special section in the class in mechanical drawing, and permitted to begin at once on the more advanced work.

Requirements for Graduation. The degree of Bachelor of Science is granted upon satisfactory completion of any of the four year programs of study offered by this College, provided the student has been registered in that course at least two semesters prior to the time of graduation. 136 credits and 264 grade points are required for graduation in all courses except engineering, in which 148 credits are required. In those courses in which summer field work, or practice, is either required or elective the number of credits required for graduation is increased by the number of credits given for such summer work. In some cases the student is permitted to spend his fourth year at some approved professional college but is granted the Bachelor's degree by this University. (See page 48.)

Agriculture

The courses in this department are designed to give the student an intimate knowledge of the fundamental principles which underlie agriculture as a science and a profession, and thus equip him for effective service either in practical farming, agricultural education, or research work. Agricultural science comprehends a wide range of subjects, and includes something from nearly every department of human learning. The natural sciences of geology, chemistry, physics, botany, zoology, bacteriology, and physiology are directly and intimately related to it. Not in the sciences alone should the agricultural student be broadly educated, but also in mathematics, languages, history and economics.

The object sought in planning these courses is to teach the general laws governing the relationship of growing crops and living animals to
soil, climate and surroundings. The method is by laboratory investigations, field experiments, and lectures. This study of the fundamentals will be required of all students who intend to specialize in any advanced line of agricultural work.

The special applications and modifications appertaining to particular crops and problems are studied later.

The outline of courses for the first year is the same for all students in agriculture, with opportunities for divergent specializing in later years. The second and third years include a few required courses but there is ample opportunity for the student to elect those courses which pertain most closely to the branch of agriculture in which he is most interested.

**REQUIRED COURSES**

**FIRST YEAR**

| Botany 101                  | Agriculture 250 |
| Chemistry 101 or 102        | Agriculture 254 |
| English 100 or 102          | Agriculture 256 |
| Mathematics 149 or 150, 151 |                  |
| Military Science and       |                  |
| Physical Education         |                  |

**SECOND YEAR**

| Physics 102                |                  |
| English 110 or 150         |                  |
| Botany 151                 |                  |
| Military Science and       |                  |
| Physical Education         |                  |

Before the end of the Freshman year, a student must submit for approval, to the Adviser and Dean, a detailed program of courses for the remaining three years, indicating his major objective. The program may be so arranged that a student may elect a very general agricultural course or he may specialize in (a) sugar culture, (b) livestock, or (c) he may specially prepare himself for further work in animal or plant and soil science. Students who are interested in teaching agriculture follow the general outline of the course in agriculture and, in addition, during their Junior and Senior years fulfill certain professional requirements in Teachers College.

The general program of studies is so arranged that the student’s time will be divided about as follows:

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General College courses</td>
</tr>
<tr>
<td>General Agricultural courses</td>
</tr>
<tr>
<td>Major Agricultural requirement</td>
</tr>
</tbody>
</table>

(Not including general courses)

Free electives—either agricultural courses in other than major branch or general electives | 46* |

Total requirement | 136*

For the student who contemplates going into research work or who plans to take graduate work in the field of animal or plant and soil science the following courses are strongly advised. Not all of them can be taken by any one student nor need they be taken in the year suggested except that the matter of prerequisites must be considered.

**SUGGESTED ELECTIVES**

**FIRST YEAR**

| Zoology 150 for (1) and (2) | Zoology 262 for (1) |
| Zoology 151 for (1) | Zoology 291 for (1) |
| Botany 163, 164 for (2) | Botany 258 for (2) |
| Chemistry 150, 151, for (1) and (2) | Botany 263 for (2) |

| Zoology 260, 261 for (1) | Botany 260 for (1) |
| (1) SUGGESTED for Animal Science, (2) SUGGESTED for Plant and Soil Science. |

**SECOND YEAR**

| Botany 163, 164 for (2) | Chemistry 150, 151, for (1) and (2) |
| Chemistry 152 for (1) and (2) | Mathematics 280, 281 for (1) and (2) |

| Zoology 260, 261 for (1) | Mathematics 280, 281 for (1) and (2) |

**FOURTH YEAR**

* The number of free electives will decrease as the credits in the three groups above are increased.
Students specializing in agricultural education to fit themselves for service under the Smith-Hughes Act of Congress should take certain courses in education as advised by the Adviser and Dean. Students who wish the Secondary School Teaching Diploma must register in Teachers College for a fifth (postgraduate) year of work.

A limited number of students in agriculture, graduate or undergraduate, may be accepted by the P.P.C.A. Experiment Station for a period of training. They serve as assistants in the various departments of the station but for this work receive no University credit. Applications for such training should be made directly to the Director of the Station.

ENGINEERING

The Course in Engineering is designed to give thorough training in the fundamental principles upon which professional engineering practice is based, and to illustrate the application of these principles by the solution of numerous practical problems. Persons entering this course are expected to be well prepared in the physical sciences and in mathematics up to and including solid geometry and plane trigonometry. It is desired to emphasize the necessity of thorough preparation in order that the more serious work of mastering technical subjects may not be hampered by lack of proper groundwork.

The general plan provides a broad foundation in English, mathematics, chemistry, physics, and drawing during the first two years. The work of the last two years is more technical and professional in its nature, embracing the study of the principles involved in power development by means of the various prime movers, including steam engines, water wheels, gas and gasoline engines, and steam turbines, and a study of the design of such machines, and of the materials entering into their construction, as well as practical tests to determine their working efficiency and economy of operation. It is aimed to fit graduates to assume gradually, as practical experience is acquired, those administrative responsibilities which are more and more developing upon men of technical training, and to become ultimately skillful practical engineers. So far as possible, the importance of each subject covered is illustrated by the application to some work which is met in actual practice. It is also intended that the course shall be valuable from an educational viewpoint; therefore, while the student is learning each subject both theoretically and practically, the training of his mind is kept in view as well as the needs of the profession.

REQUIRED COURSES

**FIRST YEAR**
- Civil Engineering 101
- Mechanical Drawing 101
- Mathematics 104
- Chemistry 101 or 102
- English 100 or 102
- Military Science
- Physical Education

**SECOND YEAR**
- Civil Engineering 125
- Civil Engineering 131
- Mechanical Drawing 133
- Mechanical Engineering 150
- Mathematics 106
- Physics 150, 151
- English 110 or 150
- Military Science
- Physical Education

**THIRD YEAR**
- Civil Engineering 201, 252, 253, 255
- Mechanical Engineering 202, 203
- Engineering Laboratory (K.B.) 202, 203
- Physics 250, 253
- Economics 150, 151

**FOURTH YEAR**
- Civil Engineering 227, 276, 277, 279
- Mechanical Engineering 282, 285
- Physics 202
- Geology 256

SUGAR TECHNOLOGY

The courses in Sugar Technology are designed primarily for those who desire to enter into active service in some branch of the sugar industry. Although these courses, since they prepare for one particular industry,
might be termed highly specialized, the importance of a sound training in general science has not been overlooked. In the third and fourth years enough special instruction in subjects pertaining directly to the sugar industry is given so that the man who completes this course should have sufficient technical understanding to prove of some immediate value in a subordinate position on a plantation, and yet not have his future progress hampered by an inadequate theoretical training.

The Hawaiian Sugar Planters' Association offers many valuable opportunities for making more practical the instructional work of the University. Advanced students serve as apprentices in their mills and plantations, and take part in their Experiment Station projects and activities.

The cane sugar industry, as carried on in the tropics, comprises two distinct branches: the growing of cane, and its manufacture into sugar. Inasmuch as it would be extremely difficult to acquire a thorough knowledge in both these branches in four years, the courses in Sugar Technology are offered in two divisions.

**Agricultural Division.** The first year is almost parallel with the course in Agriculture. In the third year it is advisable to elect certain courses in chemistry in addition to strictly agricultural topics, for the reason that sugar production is probably more dependent on chemistry than is any other branch of agriculture. Sugar analysis is also required, as familiarity with this work is often required of an agricultural chemist. The lectures on cane sugar manufacture are required in the fourth year, as it is desirable that the agriculturist have some knowledge of what happens to the cane after he has grown it.

**Sugar Chemistry Division.** The work of the first two years follows closely that of the Agricultural Division, but in the third and fourth years the course differs in offering more work in chemistry, with the purpose of giving such training in chemistry as shall prepare a student not only to become an efficient sugar chemist, but also to conduct investigations leading to better methods of control in the manufacture of sugar.

During the summer vacation, between the third and fourth years, a minimum of four weeks' work in one of the plantation factories, or in connection with the work of the Experiment Station of the Hawaiian Sugar Planters' Association is required of students in both divisions. The student must submit, in duplicate, a written report of the work performed.

The second semester of the fourth year is devoted almost entirely to practical work. Arrangements are made whereby students in the Sugar Agricultural Division serve as student assistants in the Experiment Station of the Hawaiian Sugar Planters' Association. Careful notes must be kept of this work and a report in duplicate submitted at the end of the semester.

During the second semester of the fourth year, students in the Sugar Chemistry Division may take the same work as those in the Agricultural Division. Those who prefer to work in a sugar factory may serve as special apprentices in one of the plantation factories. During this apprenticeship, the student actually performs the duties required at the various stations in the mill and in the boiling house. In either case, a report, in duplicate, must be submitted at the end of the semester.

**REQUIRED COURSES**

<table>
<thead>
<tr>
<th>AGRICULTURAL DIVISION</th>
<th>CHEMISTRY DIVISION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST YEAR</strong></td>
<td><strong>FIRST YEAR</strong></td>
</tr>
<tr>
<td>Botany 101</td>
<td>Botany 101</td>
</tr>
<tr>
<td>Chemistry 101 or 102</td>
<td>Chemistry 101 or 102</td>
</tr>
<tr>
<td>Mathematics 150, 151*</td>
<td>Mathematics 150, 151*</td>
</tr>
<tr>
<td>English 100 or 102</td>
<td>English 100 or 102</td>
</tr>
<tr>
<td>Drawing, M. D. 101</td>
<td>Drawing, M. D. 101</td>
</tr>
<tr>
<td>Military Science</td>
<td>Military Science</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
</tbody>
</table>

* Students who offer 3½ units of mathematics for entrance will not be required to take mathematics 150, 151, but will ordinarily be expected to elect mathematics 152, 153.
A summer course (Sugar Technology 253) must be taken in the factory during the summer period following the Junior year. The second semester of the Senior year is spent in the field or mill taking Sugar Technology 255 or 257, for which 16 credits are granted.

**HOME ECONOMICS**

The courses in Home Economics allow specialization in either Household Art or Household Science but are designed to give some fundamental training in the branch not chosen as a major. Students in Home Economics are expected to major in one branch of the subject and elect the other branch as a minor. In order to guide the student, certain elective subjects are suggested as particularly adapted for the work of that year. The student will be assisted by her faculty adviser in arranging a program of studies adapted to her needs and capabilities.

Students who are interested in teaching home economics follow the general outline of one of the courses listed and, in addition, during their junior and senior years fulfill certain professional requirements in the Teachers College. Students who desire the Secondary Teaching Diploma must register in the Teachers College for fifth year work.

To meet a major requirement, students must offer courses totaling at least 18 credit in the particular major with at least 12 credits in allied or closely related subjects; for a minor, these totals are 12 and 8.

**Required Courses**

<table>
<thead>
<tr>
<th><strong>HOUSEHOLD SCIENCE</strong></th>
<th><strong>HOUSEHOLD ART</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST YEAR</strong></td>
<td></td>
</tr>
<tr>
<td>English 100 or 102</td>
<td>English 100 or 102</td>
</tr>
<tr>
<td>Chemistry 101 or 102</td>
<td>Chemistry 101 or 102</td>
</tr>
<tr>
<td>Household Science 150</td>
<td>Household Science 150</td>
</tr>
<tr>
<td>Art 150, 151</td>
<td>Art 150, 151</td>
</tr>
<tr>
<td>Household Art 110, 111</td>
<td>Household Art 110, 111</td>
</tr>
<tr>
<td>Household Art 112</td>
<td>Household Art 112</td>
</tr>
<tr>
<td>Household Art 150, 151</td>
<td>Household Art 150, 151</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>†Botany 156</td>
<td>†Botany 156</td>
</tr>
<tr>
<td>†Geography 151</td>
<td>†Geography 151</td>
</tr>
</tbody>
</table>

| **SECOND YEAR**       |                   |
| English 110 or 150    | English 110 or 150|
| Household Art 114     | Household Art 114|
| Household Science 102 | Household Science 102|
| Chemistry 150, 151    | Art 154, 155 |
| Economics 150, 151    | Economics 150, 151|
| Physical Education    | Electives 3 to 5 credits each semester |
| †Suggested electives. | Physical Education |

---

SUGGESTED ELECTIVES:

- **HOUSEHOLD SCIENCE**
  - English 110 or 150
  - Household Art 114
  - Household Science 102
  - Chemistry 152
  - Economics 150, 151
  - Physical Education

- **HOUSEHOLD ART**
  - English 110 or 150
  - Household Art 114
  - Household Science 102
  - Chemistry 152
  - Economics 150, 151
  - Electives 3 to 5 credits each semester
  - Physical Education


**College of Applied Science**

**THIRD YEAR**

Household Science 200  
Home Economics 250  
Chemistry 260, 262  
Home Economics 252, 253  
Zoology 291  
Art 172, 175*  
Electives 6 to 9 credits each semester  
†Sociology 150  
†Chemistry 263

Household Science 251  
Household Science 279  
Home Economics 291  
Electives 10 to 12 credits each semester

Art 250-251  
Art 170-171  
Household Art 252, 253  
Home Economics 250  
Home Economics 252, 253  
Household Science 271  
Art 172, 175*  
Electives 6 to 9 credits each semester  
†Sociology 150

**FOURTH YEAR**

Household Science 251  
Household Science 279  
Home Economics 291  
Electives 10 to 12 credits each semester

Art 276, 277  
Art 173  
Home Economics 291

The total requirement of credits and grade points as stated on page 46 must be met. The student may elect any subject and offer credits so obtained in order to fulfill the free electives.

**GENERAL SCIENCE**

Students who desire to specialize in the biological sciences or in chemistry, physics, or mathematics may register in the General Science course as candidates for the Bachelor of Science degree. It is intended that each student shall have a knowledge of the elements of a considerable range of subjects and, at the same time, specialize in some field sufficiently to become acquainted with its more advanced phases and proficient in its methods of work. In order to accomplish this result the student is allowed some latitude in the selection of studies, but is required to carry the major part of his elective work in one group of sciences.

In order to graduate in the General Science course the student must have passed the prescribed studies of the first and second years, must have completed fundamental courses, and have satisfactorily completed courses aggregating not less than a total of 136 credits. One of the two groups—Physical Sciences or Biological Sciences—must be selected during the first year, and at least 60 per cent of the elective work of the course must be in this group. No credit toward graduation is given for courses which cover only field work or practice.

Before the end of his Freshman year, the student must file with the Dean a program, approved by the Dean, indicating the courses he intends to take during the remaining three years of his collegiate work. He must designate as his major subject one of the following: (1) Botany, (2) Zoology, (3) Chemistry (see page 89), (4) Physics and Mathematics, (5) Pre-Medical. During the last four semesters the student must devote the major part of his time to the subject selected and to closely related courses in the other subjects. To graduate he must earn at least 30 credit hours in his major subject, except in group (5) which requires at least 20 hours of Chemistry and 12 of Zoology.

Students who plan to specialize in Chemistry, Zoology, or Botany should have a working knowledge of German and French, since such knowledge is essential for advanced work in these subjects. Such students, therefore, should elect German or French in the Freshman year. In every case, the student should consult for advice the head of that department in which he plans to take the major portion of his work.

Students who plan to meet the entrance requirements of medical schools by either two or three years of resident collegiate work, electing the major portion of their work in science, should enter this course. Electives chosen must, to a large extent, be governed by the standard admission requirements of medical schools (see page 48). Attention of entering students is particularly called to the prerequisite for Physics 102. Students who enter with Algebra through quadratics, Plane Geometry, and Trigonometry

† Suggested electives.  
* Either 3rd or 4th year.
are not required to elect Mathematics 150, 151 in their Freshman year.

The Queen's Hospital School for Nurses admits to its four year course only those who secure admission as regular students in this college. During the first two years of their course students so admitted live in the nurses home, and do part time work at Queen's Hospital, but register as regular students in the General Science course and take work in Chemistry, Zoology, Psychology, Sociology, English, Bacteriology and elementary Nutrition.

*Prescribed courses are few.* In the freshman year the student must take English 100 or 102, Chemistry 101 or 102, and Military Science and Physical Education. In the second year, he must take English 110 or 150, and Military Science and Physical Education. In the succeeding years, there are no required courses but, prior to graduation, every student must complete fundamental courses aggregating at least 6 credits in at least five of the following seven groups:

<table>
<thead>
<tr>
<th>(a) Mathematics</th>
<th>(b) Physics</th>
<th>(c) Chemistry</th>
<th>(d) Botany</th>
<th>(e) Zoology</th>
<th>(f) Geology</th>
<th>(g) Economics</th>
</tr>
</thead>
</table>

An outline list of the courses from which the group elective work must be selected is given below:

### GROUP A

#### PHYSICAL SCIENCES

**1st Year**
- Math. 104, 149, 150, 151, 152, 153
- Geo. 150, 151
- Drawing
- Language
- Political Science 150 and 151

**2nd Year**
- Math. 106
- Phys. 102, 150, 151
- Chem. 150, 152, 153, 271
- Geol. 252, 253, 256
- C.E. 101
- M.D. 133
- Language
- History 100

**13rd and 4th Years**
- Math. 250, 252, 253, 254, 255, 270, 271, 272, 273
- Chem. 211, 212, 230, 260, 261, 262, 263, 313, 315
- Sugar Tech. 201, 250, 252
- Phys. 202, 250, 253, 255, 257, 261, 351
- C.E. 231, 252, 253, 255
- M.E. 202, 203, 282
- Geol. 254, 255, 260, 261, 262

### GROUP B

#### BIOLOGICAL SCIENCES

**1st Year**
- Botany 101
- Zoology 150, 151
- Geography 150, 151
- Drawing
- Language
- Political Science 150 and 151

**2nd Year**
- Botany 102, 155, 156
- Chem. 150, 152, 153, 164
- Geology 252, 253, 256
- H. S. 102
- Phys. 102
- Psychology 150
- Zoology 160, 161, 170, 172, 173, 174, 175, 180, 181
- Language
- History 100

**13rd and 4th Years**
- Bot. 151, 158, 200, 210, 253, 254, 258, 260, 263, 265
- Chem. 230, 260, 261, 262, 263, 264, 265, 272, 300
- Zool. 210, 251, 253, 254, 255, 260, 261, 262, 270, 284, 291, 300
- Agr. 250, 251, 254, 256, 261, 262
- Geol. 255, 260, 261, 262
- H. S. 200, 249, 251, 271, 350, 351
- Econ. 150-151
- Physics 235, 257

### PUBLIC HEALTH NURSING

A special non-degree course covering one year is offered in Public Health Nursing, with the cooperation of Palama Settlement, the Territorial Board of Health and the Social Service Bureau.

* First year electives are open to Sophomores.

† First year science electives taken by Juniors and Seniors count half credit only. Second year electives are open to Juniors and Seniors.
Enrollment in this course is strictly limited and open only to those who are registered nurses. For detailed information about the course, send for a special announcement.

SOCIAL WORK TRAINING

To meet the need for trained social workers the University is developing instruction in this field, both by offering courses designed to better equip those already engaged in this type of work and by providing a fifth year of professional training for graduates of this or other universities who in their undergraduate course have fulfilled certain basic requirements.

Courses offered are described on pages 130-131 and more detailed information may be had by sending for a special announcement.
Teachers College

Teachers College has the very definite function of preparing teachers for the public schools of Hawaii. It is attempting in every possible way to provide an education for teachers that will enable them to give the most practical and cultural service possible to the people of Hawaii. The program leading to the Ed.B. degree is four years in length. A fifth, post-graduate, year of work is provided for students preparing for either elementary or secondary school teaching. The Five Year Diploma is granted upon the completion of 30 credit hours work, including probationary teaching and other required courses.

SERVICE TO TEACHERS IN THE FIELD

A program of professional preparation for teachers must include, along with courses for prospective teachers, courses for teachers in service. The Teachers College offers, through the Adult Education Division, and the Summer Session, courses designed especially to meet in-service needs.

ADMISSION

In addition to the general University requirements for admission, students entering the Teachers College must meet certain standards of health, personality, and oral English. The number allowed to enter the Freshman year is strictly limited in order that those who graduate may be reasonably certain of obtaining positions in the schools of the Territory.

REQUIREMENTS FOR GRADUATION

Candidates are recommended for the degree of Bachelor of Education upon satisfactory completion of the requirements set forth on page 47 in addition to the following:

(1) A minimum of 130 semester hours of course work,
(2) A minimum of 264 grade points (see page 46), and
(3) Prescribed work in studies in elementary or secondary education as follows:

**Elementary Education**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participation and Practice Teaching</td>
<td>12</td>
</tr>
<tr>
<td>Other Education Courses</td>
<td>26</td>
</tr>
<tr>
<td>English</td>
<td>19</td>
</tr>
<tr>
<td>Social Science</td>
<td>13</td>
</tr>
<tr>
<td>Natural Science</td>
<td>12</td>
</tr>
<tr>
<td>Health and Physical Education</td>
<td>8</td>
</tr>
<tr>
<td>Military Science (men)</td>
<td>6</td>
</tr>
<tr>
<td>Art and Music</td>
<td>8</td>
</tr>
</tbody>
</table>

**Secondary Education**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participation and Practice Teaching</td>
<td>12</td>
</tr>
<tr>
<td>Other Education Courses</td>
<td>26</td>
</tr>
<tr>
<td>English</td>
<td>16</td>
</tr>
<tr>
<td>Social Science</td>
<td>10</td>
</tr>
<tr>
<td>Natural Science</td>
<td>12</td>
</tr>
<tr>
<td>Health and Physical Education</td>
<td>8</td>
</tr>
<tr>
<td>Military Science (men)</td>
<td>6</td>
</tr>
</tbody>
</table>

Prospective secondary teachers must also complete two teaching majors, with a minimum of 24 semester hours in each, by the end of the fourth year, and a teaching minor of not less than 12 semester hours.
Teachers College

by the end of the fifth year. Teaching minors are: Art, Commercial, Dramatics and Speech, Journalism, Library Service, Music, Physical Education, Pre-Vocational, and Club activities.

BASIC COURSES*

The courses of the first two years (Freshman and Sophomore) are basic. All students carry the same work, with the exception of a few electives. These courses are as follows:

FIRST YEAR

<table>
<thead>
<tr>
<th>Courses</th>
<th>Sem. I</th>
<th>Credits</th>
<th>Sem. II</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arithmetic 150</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Education 100-101</td>
<td>3</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English 104</td>
<td>3</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Military Science (men)</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Physical Education 100 or 101</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Physical Education 135 (women)</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Political Science 150-151</td>
<td>3</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Survey 100</td>
<td>3</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>2</td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>17</td>
<td>17</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECOND YEAR

<table>
<thead>
<tr>
<th>Courses</th>
<th>Sem. I</th>
<th>Credits</th>
<th>Sem. II</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology 135</td>
<td>2</td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Education 135</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Education 180-181</td>
<td>3</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English 152</td>
<td>3</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Military Science (men)</td>
<td>(2)</td>
<td></td>
<td>(2)</td>
<td></td>
</tr>
<tr>
<td>Music 152</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Physical Education 102 or 103</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Sociology 150-151</td>
<td>3</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>17</td>
<td>17</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

At the end of the second year students elect to specialize in either Elementary or Secondary Education.

THIRD YEAR

Elementary Curriculum

<table>
<thead>
<tr>
<th>Courses</th>
<th>Sem. I</th>
<th>Credits</th>
<th>Sem. II</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 261 or 262</td>
<td>(2)†</td>
<td></td>
<td>(2)</td>
<td></td>
</tr>
<tr>
<td>Biology 236</td>
<td>2</td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Education 235</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Education 285-286</td>
<td>3</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English 290-291</td>
<td>3</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English 294 or 295</td>
<td>(1)</td>
<td></td>
<td>(1)</td>
<td></td>
</tr>
<tr>
<td>Geography 261</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health Education 220-221</td>
<td>(2)</td>
<td></td>
<td>(2)</td>
<td></td>
</tr>
<tr>
<td>Music 250 or 251</td>
<td>2</td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Practical Arts 270</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Social Science 271</td>
<td>(2)†</td>
<td></td>
<td>(2)</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>2</td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>17</td>
<td>17</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* For descriptions of all courses offered in Teachers College see pages 136-146.

† The figures in parentheses represent courses which vary according to the students major emphasis. Prospective primary teachers register for English 294 and Music 250 the first semester and Art 261 and Social Science 271 the second semester. Prospective upper elementary grade teachers register for Art 262 and Social Science 271 the first semester and English 295 and Music 251 the second semester.
The program of work required of all fourth year students in Teachers College consists of two parts: (1) one semester of elective and recommended courses, and (2) one semester of professional education courses. One-half of part 2 above is devoted exclusively to practice teaching; the other half exclusively to required education courses. While one-half of the class carries the elective program, the other half carries the professional education program, one group doing practice teaching while the second carries the required courses.

**Courses**

<table>
<thead>
<tr>
<th>Courses</th>
<th>Sem. I</th>
<th>Sem. II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 235</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Education 250-251</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>English 292-293</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>17</td>
<td>17</td>
</tr>
</tbody>
</table>

**FIFTH YEAR**

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

**Courses**

<table>
<thead>
<tr>
<th>Courses</th>
<th>Sem. I</th>
<th>Sem. II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 254</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Education 261</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Education 293</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Education 294</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Education 295</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

**MASTER OF EDUCATION DEGREE**

Candidates for the Ed.M. degree must meet the essential requirements of the Ed.B. degree, complete a graduate program of 30 semester hours, present an acceptable thesis and pass the required examinations. Credits earned in courses prescribed for the Five Year Diploma will, with the exception of Education 354 and 395, be accepted in partial fulfillment of requirements for the Ed.M. degree. The graduate course program should include the following: three semester hours each in philosophy of education, educational psychology, history of education and comparative education. The candidate's special committee may, at its discretion, consider one or more of the above course requirements to have been met if the candidate's undergraduate program has included substantial corresponding courses. In such cases the special committees will authorize substitute courses. All general requirements for advanced degrees (see page 50) will apply to the Master of Education degree.

**DENTAL HYGIENE**

Prospective dental hygienists must meet the same entrance requirements as others who matriculate at the University of Hawaii. During
the first two years a basic program is offered designed to give a cultural and scientific background for the specialized program of the upper-division and graduate years. Registration may be in any one of the three colleges of the University, but the basic requirements of the first two years must be met before matriculation as a junior in the dental hygiene curriculum will be allowed. Ordinarily students will register in the College of Applied Science for the first two years, and in Teachers College for the third, fourth and fifth years.

The Junior and Senior years are devoted mainly to specific preparation for dental hygiene service, including the necessary professional education background. In the fifth (post-graduate) year emphasis is placed upon health education and broadening of the general education background.

**CURRICULUM**

**FIRST YEAR**

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 101 or 102</td>
<td>4</td>
</tr>
<tr>
<td>Education 100-101</td>
<td>3</td>
</tr>
<tr>
<td>English 100 or 104</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education 101</td>
<td>1</td>
</tr>
<tr>
<td>Physical Education 135</td>
<td>1</td>
</tr>
<tr>
<td>Zoology 150-151</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total** 

<table>
<thead>
<tr>
<th>Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>17</td>
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</tbody>
</table>

**SECOND YEAR**

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botany 151</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry 152</td>
<td>4</td>
</tr>
<tr>
<td>Education 180-181</td>
<td>3</td>
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**Total** 

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**THIRD YEAR**

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**Total** 

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**FOURTH YEAR**

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**Total** 

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Graduate School of Tropical Agriculture

The Graduate School of Tropical Agriculture of the University of Hawaii was established for the purpose of providing facilities for research and graduate training in the several branches of science pertaining to tropical agriculture. To provide the best possible physical equipment and instructing personnel several scientific institutions in Honolulu have joined with the University of Hawaii in a cooperative union, each providing certain facilities.

ADMISSION

Admission is limited to students who are graduates of some collegiate institution of recognized standing, or whose experience and training are considered to be the equivalent. In general, students will be required to have an adequate knowledge of the sciences fundamental to their major field and those which will qualify them to carry on a major research problem. Only those applicants for admission will be accepted whose previous training seems to enable them to prosecute the work in prospect in the Graduate School. This will imply, as a general rule, that acceptable candidates will be those who hold a Master's degree or who have done professional work beyond the Bachelor's degree in the chosen field.

Students may be admitted either (1) as candidates for an advanced degree, (2) as research fellows, not seeking a degree but desirous of prosecuting some special research, or (3) as special students participating in a course or two. Candidates for an advanced degree may seek that degree in this institution or in another by transfer of credits. If the student wishes to receive the degree from this institution it will be necessary for him to pass a qualifying general examination at least one year prior to the awarding of the degree. The requirements for advanced degrees are standard. It is the intention, for the present, to limit the admission of candidates for advanced degrees to a small number.

The courses of study are, in general, organized on the seminar basis. A limited number of persons may be admitted as auditors in certain of the lecture courses. No credits are given to auditors nor are permanent records kept of their work.

Inasmuch as the accommodations are limited, the Graduate School of Tropical Agriculture may decline the applications of some prospective students even though they are adequately prepared. Consequently, any one not a resident of Honolulu who is interested in applying for admission is urged to submit his application by mail rather than to incur the expense of travel to Hawaii before acceptance by the school.

Students may arrange to transfer credits to other institutions for the purpose of receiving degrees if they desire.

DEGREE REQUIREMENTS

While major emphasis is placed on non-degree work, the Graduate School will accept a limited number of candidates for the Doctor's degree.

For the Master of Science degree the student is required to spend at least one academic year in residence, complete satisfactorily a program of study and research prescribed by the committee in charge of his candidacy, and pass a general examination at the end of his course to show his grasp of the subject under study.

For the Doctor of Philosophy degree the student is required to spend
at least three academic years in residence, at least one year of which
must be at the University of Hawaii, to complete satisfactorily a program
of research and study prescribed by the committee in charge of his
candidacy, and to pass the necessary examinations. A qualifying general
examination, which includes a test of reading knowledge of both French
and German, must be passed at least one academic year (nine months)
prior to the awarding of the degree, and a student will not be formally
considered a candidate for the Doctor's degree until he has passed this
examination. The final examination will be given on completion of the
Doctor's dissertation, and will comprise a presentation and defense of
the dissertation.

HAWAII SCHOOL OF RELIGION

The Hawaii School of Religion is affiliated with the University,
though independently supported by friends of both the Protestant and
Catholic faiths. The School is under the direction of its own board of
trustees and conducts its courses on privately owned premises adjoining
the University.

The University of Hawaii considers the School as an affiliated unit
for instructional service and students of the University taking courses
therein are credited in the same manner as for regular University courses,
provided the student in each case has the approval of his dean.

All courses offered in the School of Religion bring credits and grade
points as Free Electives in the same way as any other courses in the
University. Registration for courses in religion is handled in exactly
the same manner as for any other courses in the University curriculum.

In addition to the Free Electives, certain courses count toward the
Group Electives in the College of Arts and Sciences. These courses are:
For Group I, "Social Science": Religion 150, 259 and 261. For Group
II, "Language, Literature and Art," Religion 150 and 211.

There is no extra fee for courses in religion for those students taking
ten credit hours or more. For part-time students there is the usual
charge of $5 a credit hour.

The Board of Trustees includes: Robbins B. Anderson, President;
Hon. Antonio Perry, Vice-President; Dr. Walter J. Homan, Secretary
(ex officio); Herman Rohrig, Treasurer; Dr. Romanzo Adams, Frank
C. Atherton, Very Rev. Bruno Bens, Dr. Wm. H. Fry, Dean Wm. H.
George, Lloyd R. Killam, Oren E. Long, Rev. George C. Powers and
Miss Elsie H. Wilcox.
Courses of Instruction

COLLEGE OF ARTS AND SCIENCES AND
COLLEGE OF APPLIED SCIENCE

Courses numbered 100 to 199 are Freshman and Sophomore, or lower division courses. Those numbered 200 to 299 are for Juniors and Seniors, but may be open to Graduate Students. The numbers 300 to 399 designate Graduate courses, but in some instances Seniors may register in these.

Courses which extend through the year (two semesters) are designated by 00 to 49, as 100 to 149, 200 to 249 and 300 to 349. Courses of one semester length are designated by 50 to 99, as 150 to 199, 250 to 299 and 350 to 399.

AGRICULTURE

100 ORIENTATION COURSE. No credit first semester. Mr. Henke.

Several lectures on the agriculture of Hawaii. Designed to acquaint the student with the different fields of agriculture in the Territory with a view of enabling him to more intelligently select a major field of study at the end of the Freshman year. Required of all Freshmen in Agriculture.

151 ANIMAL HUSBANDRY. 3 credits second semester. Mr. Henke.

A general study of the important breeds of horses, cattle, sheep and swine, their feeding, care, and management. Lectures, assigned readings and laboratory work. Laboratory fee $1.

152 POULTRY HUSBANDRY. 3 credits first semester. Mr. Bice.

An elementary course dealing with the anatomy of the digestive and reproductive systems, the genetics of egg production, and the principles of poultry husbandry. Two lectures and one laboratory per week. Laboratory fee $1.

162 TROPICAL POMOLOGY. 3 credits first semester. Mr. Beaumont.

Origin and description of the principal fruit and nut crops grown in Hawaii; soil and climatic requirements; selection of an orchard site; propagation, planting, training, fertilization, irrigation and pest control. Prerequisites: Chemistry 101 or 102 and Botany 101. Two lectures and one laboratory per week. Laboratory fee $1. (Alternates with Agr. 164; offered in 1937-38).

164 TRUCK CROP PRODUCTION. 3 credits first semester. Mr. Welch.

Not offered in 1937-38.

Principles of vegetable production; origin, classification, nomenclature, adaptation, and cultural requirements of the more important vegetables. Some physiological principles involved in their production, transportation, and storage. Prerequisites: Chemistry 101 or 102 and Botany 101. Two lectures and one laboratory per week. Laboratory fee $1. (Alternates with Agr. 162.)

250 SOILS. 5 credits first semester. Mr. Wadsworth.

The origin and physical properties of local soils, including a consideration of texture, structure, and moisture relations. Required of Juniors in Agriculture and Sugar Technology, Agriculture and Chemistry divisions. Prerequisites: Chemistry 101 or 102 and Physics 102. Three lectures or recitations and two laboratory periods each week. Laboratory fee $2.

251 TROPICAL CROPS. 3 credits second semester. Mr. Westgate.

A study of the history, botany, culture, and utilization of the leading tropical crops of the world as well as consideration of various economic problems arising in connection with the development of agriculture in the tropics. Required of Juniors in Sugar
Technology (Agriculture and Chemistry Divisions). Recommended for all other Juniors in Agriculture. Two lectures or recitations, one laboratory period each week. Prerequisites: Botany 101 and Chemistry 101 or 102. Agriculture 256 desirable. Laboratory fee $1.

252 SUGAR CANE PRODUCTION. 4 credits first semester. H.S.P.A. Experiment Staff.

A study of the varieties of cane, their planting, irrigation, fertilization, and harvesting. Includes visits to various experimental fields and plantations. Students are required to keep Fridays as free from other work as possible for field trips. Prerequisites: Agriculture 250 and 254. Lectures, assigned readings, and laboratory periods. Laboratory fee $2.

253 DAIRYING. 3 credits second semester. Mr. Work.

Not offered in 1937-38.

A study of dairy cows, the production and marketing of milk and milk products, milk testing, separation, etc. Two lectures or recitations and one laboratory period a week. Laboratory fee $1. (Alternates with Agr. 261.)

254 PRINCIPLES OF GENETICS. 3 credits first semester. Mr. Miller.

A study of the fundamentals of genetics, including the principles of Mendelian inheritance, the chromosome theory, linkage, the determination of sex, variation, mutations, and an introduction to the use of biometric methods. Two lectures and one laboratory period a week. Prerequisites: Botany 101 or Zoology 150 or their equivalent. Required of Juniors in Agriculture and Sugar Technology, Agriculture division.

255 POULTRY HUSBANDRY. 3 credits second semester. Mr. Bice.

A course dealing with problems of management on a large commercial poultry farm; an hour report on one phase of the poultry industry; assigned outside reading and discussions based upon important research problems. Prerequisites: Agriculture 152. Not open to Freshmen. Two lectures, one quiz. Laboratory fee $1.

256 PRINCIPLES OF AGRONOMY. 3 credits first semester. Mr. Westgate.

A study of the botany of crop plants and the principles underlying the economic production of field and garden crops. Consideration will be given to the gross morphology, systematic relationships and ecology of the more important species. The principles of crop production, crop rotation, and the maintenance of soil fertility will be studied. Two lecture periods and one laboratory period per week. Prerequisites: Botany 101, Chemistry 101 or 102; Botany 102, 163 and 164 desirable. Required of all Juniors in Agriculture. Laboratory fee $1.

257 FEEDS AND FEEDING. 3 credits first semester. Mr. Henke.

A detailed study of the feeding of all kinds of farm and plantation animals. Lectures, problems and recitations. Offered in 1937-38 and in alternate years.

259 POULTRY HUSBANDRY. Credit by arrangement second semester. Mr. Bice.

Special problems largely in the field of poultry husbandry research. Individual work; course not conducted as a class exercise.

260 PINEAPPLE PRODUCTION. 3 credits first semester. Mr. Westgate.

A general study of pineapple production. Prerequisite: Botany 101, Chemistry 101 or 102, and Agriculture 250. Two lecture or recitation periods and one laboratory field study or assigned reference reading period each week. Laboratory fee $1.

261 BEEF AND SWINE PRODUCTION. 3 credits second semester. Mr. Work.

The breeds, care, management and feeding of beef cattle and swine with particular reference to Hawaiian conditions. Two lectures or recitations and one laboratory or study period each week. Laboratory fee $1. (Alternates with Agriculture 253; offered in 1937-38).
262 ADVANCED GENETICS. 3 credits second semester. Mr. Collins.

A study of the organization of the germinal materials. Methods and results of modification of germinal material. The course is designed primarily for those who expect to make genetics a major study and for those who expect to be engaged in academic or experiment station work. Two lectures a week, problems, assigned readings, field trips, and demonstrations. Prerequisite: Agriculture 254.

264 SEMINAR IN ANIMAL NUTRITION. 1 credit second semester. Mr. Henke.

A study of recent investigations in the field of animal nutrition. A major part of the course will be assigned topics on which the students will thoroughly review the literature on the subject and present reports to the class. Prerequisites: Agriculture 257 and sufficient training in chemistry. The consent of the instructor is required. One class meeting each week. Offered in 1937-38 and in alternate years.

265 AGRICULTURAL THESIS. Credit by arrangement each semester. Mr. Henke and Agricultural Staff.

Advanced individual work in field and laboratory, with accompanying library work.

267 SOIL CHEMISTRY. 2 credits second semester. Optional laboratory, 1 credit. Mr. Dean.

A study of the chemical aspects of soils in relation to plant growth. Consideration will be given to soil composition, soil fertility, soil acidity, and the composition and uses of commercial fertilizers. Prerequisites: Agriculture 250. Optional laboratory fee $4.

269 AGRICULTURAL STUDIES OF TROPICAL COUNTRIES. 3 credits first semester. Mr. Westgate.

Soil, climate, and crop production studies of the principal tropical countries of the world including general studies as to labor and health conditions, marketing problems, etc. Three recitations or lectures per week. Prerequisite: Agriculture 251.

291 GENERAL IRRIGATION PRACTICE. 4 credits second semester. Mr. Wadsworth.

Irrigation in its relation to crop production. A general course covering the sources of irrigation water; soil moisture, and its relation to plant growth, distribution, and measurement of water and the water requirements of common plants. Open to Juniors and Seniors. No prerequisites. Three recitations, one laboratory. Laboratory fee $1.

300 RESEARCH WORK. Credit by arrangement each semester. Mr. Henke and Agricultural Staff.

Situated in a climate where out-of-doors experimental work can be carried on the year round, Hawaii affords ideal opportunities for research in tropical agriculture.

351 SEMINAR IN TROPICAL AGRICULTURE. 3 credits first semester. Mr. Westgate.

Individual assignments as to special agriculture studies of particular crops and countries including the problems of insect and plant disease control, marketing, utilization, etc. Two class meetings per week. Prerequisites: Agriculture 251.

ANTHROPOLOGY AND SOCIOLOGY

150-151 INTRODUCTION TO THE STUDY OF MAN. 3 credits each semester. Mr. Keesing.

The development of the human sciences; man's beginnings; racial differences and their significance; prehistoric and primitive man; the growth of civilization; man and his physical environment; the organization of society; the religious and aesthetic spheres; language and mentality; modern trends in human relationships as seen by the anthropologist and sociologist.
250 THE POLYNESIANS. 2 credits first semester. Staff.
The peoples of Polynesia and their life prior to the coming of the whites; theories regarding their origins, migrations, and relationships; a comparative study of their material culture, customs, ideas and beliefs. Visits will be paid to the Bernice P. Bishop Museum.

252 PEOPLES OF THE PACIFIC. 2 credits second semester. Mr. Keesing.
Not offered in 1937-38.
A study of the origins, migrations, relationships, and modes of living of the indigenous peoples within the Pacific Ocean area: the Malaysians of the Netherlands East Indies, Philippines, Formosa, etc.; the Melanesians, Micronesians and Polynesians; the Australian Aborigines. This is especially designed as a background course for students dealing with historical, political, economic and other problems of the Pacific area.

254 PEOPLES OF ASIA. 2 credits first semester. Staff.
Not offered in 1937-38.
The contribution that anthropology can make toward understanding the racial and cultural backgrounds of the Orient, especially of China, Japan and India. This course is fitted particularly to the needs of students working in the Oriental Institute.

260 PHYSICAL ANTHROPOLOGY. 3 credits first semester. Staff.
Not offered in 1937-38.
The historical development of this phase of anthropology; man within the animal kingdom; human origins, how, when and where; fossil types of man; racial differences and their significance; anthropometry; the growth of the individual; physical trends in humanity. Prerequisite: Anthropology and Sociology 150.

265 PRIMITIVE SOCIETY. 3 credits first semester. Staff.
Not offered in 1937-38.
An analysis of the social organization of so-called primitive peoples as revealed in modern anthropological writings; the contribution of the anthropologist toward understanding man as a social being. Prerequisite: Anthropology and Sociology 150-151.

267 PRIMITIVE RELIGION AND PHILOSOPHY. 2 credits first semester. Staff.
A comparative study of religious and philosophical systems as revealed in the surveys of ethnologists, together with the general findings of social anthropology in these fields of human experience.

268 THE ART AND LITERATURE OF PRIMITIVE PEOPLES. 2 credits second semester. Staff.
A comparative study of the creative achievements of so-called primitive groups in the aesthetic and literary fields, including oral folklore. Visits will be paid to museums in Honolulu.

272 MODERN CHANGES AMONG PACIFIC PEOPLES. 2 credits second semester. Mr. Keesing.
The reactions of indigenous Pacific peoples to western civilization; economic, social, religious and other adjustments; forces making for change and conservatism; the contributions of anthropology towards solving contemporary problems.

275 PREHISTORY AND ARCHAEOLOGY. 3 credits second semester. Staff.
Not offered in 1937-38.
A study of man's distant past as revealed through archaeological research; early vistas of the Stone Age; the when and where of basic inventions such as tool-making, agriculture, domestication of animals, metallurgy, etc.; the ancient migrations of man; methods of archaeological study. Museum and field trips will be made locally. Prerequisite: Anthropology and Sociology 150.
Courses of Instruction

276 LINGUISTICS. 2 credits first semester. Staff.
Not offered in 1937-38.

An introduction to the study of language: theories regarding the development of speech; the classification of languages over the earth and their probable relationships; the nature of language. This course should be useful for students working in the various language departments. Prerequisite: Anthropology and Sociology 150-151, or permission of the instructor.

290 INDEPENDENT STUDY AND HONORS. Hours and credits to be arranged. Staff.
Registration by permission only.

300 ADVANCED READING IN ANTHROPOLOGY. Credit to be arranged. Staff.
Registration by permission only.

350-351 SEMINAR IN ANTHROPOLOGY. 2 credits each semester. Staff.
Advanced problems in anthropology of both a theoretical and a practical nature will be discussed. Open to seniors and graduate students by arrangement.

400 THESIS RESEARCH IN ANTHROPOLOGY. Total of 6 credits for thesis work.
Graduate students engaged in the preparation of a thesis for the Master's degree will register in this course.

Sociology*

252 THE COMMUNITY. 3 credits second semester. Staff.
A background for the study of community problems. The processes affecting the growth of the local community. The role of various institutions, the family, church, school, and other social agencies. Patterns of delinquency and dependency within the community. Field trips in Honolulu and neighboring communities.

253 RURAL SOCIOLOGY. 3 credits second semester. Mr. Lind.
Not offered in 1937-38.
The organization of life in the rural environment. The group behavior, movements, and institutions which are peculiarly rural. The nature and organization of the plantation community with special reference to Hawaii. Alternate years.

255 SOCIAL PATHOLOGY. 3 credits second semester. Staff.
Not offered in 1937-38.
The factors in contemporary society which condition personal and social disorganization. An introduction to the problems of crime, delinquency, dependency, degeneracy, and defectiveness. Special attention will be directed to the sociological aspects of these problems in Hawaii.

256 RACE RELATIONS IN HAWAI. 3 credits first semester. Mr. Lind.
Not offered in 1937-38.
A summary of research findings relative to race relations in Hawaii. Interracial marriage and the amalgamation of the races. The persistence of old world traits and the assimilation of American patterns. Alternate years.

267 THE FAMILY. 3 credits first semester. Mr. Lind.
A comparative study of the Occidental and Oriental family. The family as a social institution. Mating and marriage. The structure and functions of the family. The romantic complex and family disorganization. Family tensions and divorce. The future of the family. Prerequisite: Sociology 150-151.

* In addition to the following courses, students in sociology are referred to Social Work Training 200 and to Education 294 (Educational Sociology), which receive credit toward a sociology major.
268 **HUMAN MIGRATIONS.** 3 credits first semester. Mr. Lind.

The factors affecting the movement of peoples in contemporary society. The resultant racial and cultural contacts. The role of migration in civilization building. Migration and the person. The use of quantitative and life history materials in the study of migrations. Prerequisite: Sociology 150-151.

269 **PERSONALITY AND CULTURE.** 3 credits second semester. Mr. Lind.

The origin and development of personality through cultural contacts. Personality as the role of the individual in the group. The function of communication. Human nature and the mores. Personal and social disorganization. The study of the person through ethnological, autobiographical and clinical materials. Prerequisite: Sociology 150-151.

270 **POPULATION AND SOCIETY.** 3 credits second semester. Mr. Lind.

*Not offered in 1937-38.*


272 **COLLECTIVE BEHAVIOR.** 3 credits first semester. Mr. Lind.

*Not offered in 1937-38.*


274 **SOCIAL CHANGE.** 3 credits second semester. Staff.

The major factors affecting change in social institutions. The role of invention and science in relation to social change. Recent trends in institutions such as the family, the church, and the school. Social forecasting. Prerequisite: Sociology 150-151.

276 **PRINCIPLES OF SOCIOLOGY.** 3 credits first semester. Mr. Lind.

*Not offered in 1937-38.*

A consideration of the fundamental concepts of the field of sociology with special reference to the processes of competition, conflict, accommodation, and assimilation. The place of sociology among the social sciences. Prerequisite: consent of the instructor.

280-281 **INDIVIDUAL RESEARCH IN SOCIOLOGY.** Credits arranged each semester. Staff.

Open to advanced students of sociology capable of pursuing local research problems under guidance of the staff. Registration by permission.

282-283 **DIRECTED READING IN SOCIOLOGY.** Credits arranged each semester. Staff.

Designed for advanced students of sociology desirous of acquainting themselves with the literature of the field. Registration by permission.

350-351 **RACE CONTACTS IN HAWAI'I.** 2 credits each semester. Staff.

A seminar course, including lectures relating to race relations research in Hawaii. Intended for students engaged in the study of race and culture contacts in Hawaii. Open to seniors or graduate students with permission of instructor.

400 **THESIS RESEARCH IN SOCIOLOGY.** Total of 6 credits for thesis work.

Graduate students engaged in the preparation of a thesis for the Master's degree will register in this course.
Courses of Instruction

ART

150-151 **ART STRUCTURE.** 2 credits each semester. Mr. Rempel and Mrs. Fisher.

The study of the elements and principles underlying all art. First semester: exercises in line, mass, and color harmony to stimulate appreciation. Second semester: advanced exercises in composing abstract and naturalistic forms. Two periods. This is a fundamental course upon which all other courses are based, and is prerequisite to all advanced work. Students who apply for advanced standing or for exemption from any art course must submit examples of previous work.

154-155 **FREEHAND DRAWING AND BEGINNING PAINTING.** 2 credits each semester. Mr. Luquiens and Mrs. Fisher.


156 **COMMERCIAL ART.** 2 credits first semester. Mr. Rempel.

Development of appreciation of the principles of design as they relate to problems of layout. Experimentation with various commercial forms, such as books, business cards, and letter heads, window announcements, magazine layouts, and advertisements. Pen and pencil. Prerequisite: Art 150-151. (Prerequisite will be waived for students taking Business 273.)

160-161 **OIL PAINTING.** 2 credits each semester. Mr. Luquiens.


170 **IMAGINATIVE DESIGN.** 2 credits first semester. Mr. Rempel.

Originality and power in designing developed through experience with imaginative motifs and fundamental design structure. Prerequisites: Art 150-151.

171 **INDUSTRIAL DESIGN.** 2 credits second semester. Mr. Rempel.

An analysis of common objects with the aim of a furtherance in function and artistic expression. Designing objects for execution in wood, metal, stone, leather and pottery, i.e., jewelry, hardware, furniture, utensils, etc. Prerequisites: Art 150-151; 154-155.

172 **INTERIOR DECORATION.** 2 credits first semester. Mrs. Fisher.

A basic study of the arrangement of furniture in relation to wall and floor space, with stress on the color harmony of walls, curtains, floor coverings, and furniture. Shop and museum excursions. Prerequisites: Art 150-151.

173 **ADVANCED INTERIOR DECORATION.** 2 credits second semester. Mrs. Fisher.

Original designs for complete rooms, elevations, and perspectives in color. Original designs for furniture; its use in the average home. Prerequisites: Art 150-151, 154-155, 172.

175 **TEXTILE DECORATION.** 2 credits second semester. Mrs. Fisher.

Not offered in 1937-38.

Advanced problems in tie dye, Batik, applique, etc. Prerequisites: Art 150-151.

250-251 **HISTORY OF ART.** 2 credits each semester.

Not offered in 1937-38.

A survey of the origin and development of the fine arts, dealing with painting, sculpture and architecture as reflections of the cultural forces at work with each of the great periods of history. The first semester is devoted to Ancient and Medieval Art with special emphasis on the art of Greece and French Gothic. The second semester covers, first, the development of art from the Renaissance to modern times, and second, oriental art. These courses are open to all students of Junior standing. Lectures, lantern slides and museum trips.
261 ART FOR KINDERGARTEN-PRIMARY YEARS. Mrs. Fisher.
(Described in Teachers College courses.)

262 ART FOR UPPER ELEMENTARY YEARS. Mrs. Fisher.
(Described in Teachers College courses.)

263 ART FOR SECONDARY SCHOOL YEARS. Mrs. Fisher.
(Described in Teachers College courses.)

266-267 ETCHING. 2 credits each semester. Mr. Luquiens.
A study of the technical methods of etching, including line etching and dry point
and, for students who wish, soft ground, aquatint, etc. Work will be chiefly in
landscape, but ample opportunity will be given advanced students to follow their own
preference in subject and treatment. Press and other permanent equipment furnished
by the University. Prerequisite: Art 160-161. Two periods. Studio and outdoor work.

268 LANDSCAPE PAINTING. 2 credits each semester. Mr. Luquiens.
Not offered in 1937-38.
Basic study of naturalistic landscape in oils, emphasizing compositions, color, and
landscape technique. Prerequisites: Art 160-161. Two periods, out of doors and
studio.

269 LIFE CLASS. 2 credits second semester. Mr. Luquiens.
Not offered in 1937-38.
Drawing from the model, with a view to establishing a foundation for the imagina-
tive use of the human figure. Prerequisites: Art 154-155. Two periods studio. Studio
fee $4, to cover model expense.

270 ADVANCED COMPOSITION. 2 credits second semester. Mr. Rempel.
Creative conceptions of naturalistic forms. Prerequisites: Art 150-151, 154-155, 170.

272 BEGINNING ILLUSTRATION. 2 credits first semester. Mr. Rempel.
Not offered in 1937-38.
Elementary problems in illustrations. Prerequisites: Art 150-151, 154-155.

273 BOOK ILLUSTRATION. 2 credits second semester. Mr. Rempel.
Not offered in 1937-38.
Illustrations of fables, legends, and imaginative tales. Prerequisites: Art 150-151,
154-155, 272.

274 COMMERCIAL ART FOR ECONOMICS AND BUSINESS STUDENTS.
2 credits second semester. Mr. Rempel.
Not offered in 1937-38.
Art principles as they apply to such phases of merchandising as newspaper and
magazine advertising, window and show case display, clothing, furniture and its
arrangements, choice in textiles, color psychology, etc. Designed primarily for stu-
dents of economics and business. Lectures and lantern slides. Prerequisites: Junior
standing or consent of instructor for students desiring credit.

275 COMMERCIAL ILLUSTRATION. 2 credits second semester. Mr. Rempel.
Not offered in 1937-38.
Synthesis of illustration and lettering in business. Advanced problems in layout
and designing of posters, magazines and newspaper ads, pamphlets, containers, trade-
marks, window and counter displays, etc. Prerequisites: Art 150-151, 154-155, 156,
170.
Courses of Instruction

276-277 Stage Craft and Costumes. 2 credits each semester. Mr. Rempel.


370-371 Modern Painting. 2 credits each semester. Mr. Rempel.

Not offered in 1937-38.

Analysis and application of various trends, systems and theories of modern art. The aim of the course is to give criticism and guidance in any field of art work of the students' own choosing, and to develop self-motivation and instructor-independence. The work consists mostly of creative painting in landscape, still life, industrial subjects, abstractions and portraits, but still permits credit for murals, frescos, stage-work, commercial art, costumes, industrial design, etc. Any medium may be used. For advanced students only, with special permission of the instructor.

Note:—Certain of the above courses offered by the Art Department may be repeated for credit by advanced students with the permission of the instructor.

BOTANY

101 General Botany. 3 credits each semester. Mr. St. John and Botanical Staff.

A study of the seed and spore plants. The structure of the members of the plant body of the seed plants, the relation of form to function, and adjustment to external conditions are given special attention during the first semester. In the second semester, a brief survey of the principal groups from algae to seed plants, with a study of the life history of representative forms. The evolution of the vegetable and reproductive organs of the plant as related to the habitat. One hour lecture or recitation and two periods laboratory a week. Laboratory fee $4 each semester.

102 Systematic Botany of the Flowering Plants. 3 credits each semester. Mr. St. John.

An introduction to the flowers that are native, introduced, or cultivated on the Hawaiian Islands. The student learns to identify the plants, learns their geographic distribution, and their useful or harmful properties. The history of taxonomy and the botanical exploration of the islands. Frequent trips to the native forests of the mountains and the collection of specimens for herbaria. Planned to give a wide acquaintance with plants. A preparation for advanced work and an aid in teaching. Prerequisite: Botany 101. One lecture hour and two laboratory periods a week. Laboratory fee $2.50 each semester.

151 General Bacteriology. 4 credits each semester. Mr. Allen.

An introductory course in bacteriology, emphasizing the morphology, culture, and physiology of microorganisms. The major groups of bacteria are studied with respect to their characteristics, functions, and their applications to household and industrial processes. The laboratory exercises concern the various phases of bacteriological technique. Prerequisite: Botany 101 or Zoology 151. Two lecture hours and two laboratory periods each week. Laboratory fee $5.

155 Nutrition of Plants. 2 credits second semester. Mr. Bean.

A course dealing with: nature of seeds; nutrition of the embryo plant during germination of the seed; development of adult from embryonic structures; intake of raw materials; and manufacture of food by the adult plant. No prerequisites. Open to Freshmen. Not open for credit to students who have taken Botany 163. Two hours of lecture with demonstrations.

156 Bacteria in Relation to the Individual and the Public. 2 credits each semester. Mr. Allen.

A course stressing the importance of bacterial activities in everyday life. The history of bacteriology, the most important groups of bacteria, and the methods of studying bacteria, are reviewed briefly. Special attention is given to the roles that bacteria play in agriculture, the dairy industry, the supervision of water supplies, sewage disposal, the canning industries, epidemics, types of diseases, and the bacteriological treatment of the most common diseases. Open to Freshmen. Not open for credit to students who have taken Botany 151. Two lectures each week.
158 Mycology. 3 credits first semester. Mr. Allen.
Not offered in 1937-38.
A course of study on the structure, classification, and physiology of the major groups of fungi. The student becomes acquainted with the systems of classification, the taxonomic keys, and learns to identify representative forms of the fungal groups. Considerable attention is paid to the text-book treatment and the current mycological literature on these forms. Prerequisite: Botany 101 or two semesters of Zoology. One lecture hour and two laboratory periods each week. Laboratory fee $3. Alternate years.

160 Flower and Tree Identification. 2 credits first semester.
A popular course in the identification of the common cultivated plants, weeds, and native plants of the territory. Fee $2. No prerequisite. Open to Freshmen. Not open to students who have taken Botany 102.

161 Plant Geography. 2 credits first semester. Mr. St. John.
A study of the distribution of plants throughout the world. The vegetation of forests, grasslands, deserts, tundra, mountains, and oceans, with special attention to origin, development, ecology, and economic importance. Fee $2. No prerequisites. Open to Freshmen. Two hours of illustrated lectures a week.

162 Structure of Economic Plants. 3 credits first semester. Mr. Weller.
Not offered in 1937-38.
A study of the anatomy of the important field and garden crop plants, representative of Hawaiian agriculture. Prerequisite: Botany 101. One lecture hour and two laboratory periods each week. Laboratory fee $4. Alternate years.

163 Physical Factors in Plant Nutrition and Growth. 4 credits first semester. Mr. Bean.
A study of those features of the physiology of higher green plants that permit an interpretation from the point of view of elementary physical laws. Consideration will be given to: the general nature of growth; effects of physical factors in the environment upon growth; physical properties of the cell; absorption of gases, water, and mineral salts; loss of water from the plant; ascent of sap; and the physical features of photosynthesis. Prerequisites: Botany 101 and Chemistry 101 or 102. Two lectures and two laboratory periods per week. Laboratory fee $5.

164 Metabolism of Green Plants. 4 credits second semester. Mr. Bean.
In this course the emphasis will be placed on the chemical transformations that occur in a plant during normal development. Photosynthesis; nitrogen metabolism; digestion and translocation of reserve substances; respiration; and growth and movement will be discussed in terms of elementary principles of chemistry. Prerequisite: Botany 163; Chemistry 152 recommended. Two lectures and two laboratory periods per week. Laboratory fee $5.

200 Botanical Problems. Credit to be arranged. Mr. St. John, Mr. Allen, Mr. Bean or Mr. Weller.
The pursuit of any advanced botanical problem. Open to undergraduates. Can be taken repeatedly. Laboratory fee $1 a credit hour.

210 Botanical Seminar. 1 credit each semester. Botanical Staff.
Presentation of seminar reports, reports upon research, or reviews of current botanical literature. Recommended for Juniors, Seniors, and Graduates, and may be taken repeatedly. One recitation hour per week.

253 Plant Ecology. 4 credits second semester. Mr. St. John.
Not offered in 1937-38.
A study of plants in relation to their environment, including the climatic and geographic factors. Plant sociology, comprising the origin, development, structure, and succession of plant societies. Prerequisite: Botany 102. Laboratory fee $3. Two lecture hours and two laboratory periods a week. Alternate years.
254 ADVANCED TAXONOMY. 2 or more credits first semester. Mr. St. John.

A synoptical treatment of the lower Dicotyledons, from the Piperaceae to the Leguminosae, with laboratory study of the important families. Plant distribution, and the independent identification of collections. Qualified students may do part of their work in the Herbarium of the Bishop Museum. Prerequisite: Botany 102. Laboratory fee $1 a credit hour. One lecture hour and one or more laboratory periods each week.

258 AGRICULTURAL BACTERIOLOGY. 4 credits first semester. Mr. Allen.

A study of the role of the bacteria in nitrogen, carbon, and sulphur processes in the soil, the formation of humus, the decomposition of cellulosic and nitrogenous materials, and the relation of these processes to agriculture. The latter part of the course deals with a study of the more common pathogenic soil bacteria of plants and animals. Recommended for students of agriculture. Prerequisite: Botany 151. Two lecture hours and two laboratory periods each week. Laboratory fee $3.50. (Alternate years; offered 1937-38.)

260 MEDICAL BACTERIOLOGY. 4 credits first semester. Mr. Allen.

A course designed to acquaint the student with the fundamentals of serology and the physiological reactions of the common pathogenic bacteria. The common diseases will be studied in the laboratory and presented in the lectures from the standpoints of diagnosis, therapeutic and prophylactic methods of treatment. Emphasis will also be placed on the recent theories of bacterial dissociation, life cycles, the bacteriophage phenomena, and their pathogenic relationships. Prerequisite: Botany 151. Two lecture hours and two laboratory periods each week. Laboratory fee $5. (Alternate years; offered 1937-38.)

263 PLANT PATHOLOGY. 3 credits second semester. Mr. Parris.

A systematic study of plant diseases. The course deals with a discussion of topics on the rise and development of the science of plant pathology; definitions, symptoms, and classifications of plant diseases; relation of diseases to the environment; methods of investigating plant diseases; relations of insects to plant diseases; storage, transportation, and marketing problems arising from plant diseases; and control measures, such as the use of fungicides, disease-resistant plants, clean seed, quarantine and inspection. The more common diseases of plants are studied in the laboratory, and the etiological agents isolated and identified. Prerequisites: Botany 101 and Botany 158. One lecture hour and two laboratory periods each week. Laboratory fee $3.50. (Alternate years; offered 1937-38.)

265 TAXONOMY OF THE DICOTYLEDONS. 1 credit second semester. Mr. St. John.

A synoptical treatment of the Dicotyledons, from the Leguminosae to the Ericaceae, with reference to their gross morphology, economic value, and distribution. Prerequisite: Botany 102. One lecture hour a week. (Alternate years; offered 1937-38.)

267 TAXONOMY OF THE HIGHER DICOTYLEDONS. 1 credit second semester. Mr. St. John.

Not offered in 1937-38.

A synoptical treatment of the higher Dicotyledons from the Ericaceae to the Compositae, with reference to their gross morphology, economic value, and distribution. Prerequisite: Botany 102. One lecture hour a week. (Alternate years.)

268 MICROTECHNIQUE. 3 credits second semester. Mr. Weller.

Not offered in 1937-38.

A course in the principles and methods of preparing plant materials for histological and cytological study. It includes methods of killing, fixing, processing, imbedding, sectioning, staining, mounting, drawing, reconstructing, the use of the microscope, and photomicrography. Prerequisites: Botany 101, Chemistry 101. One lecture hour and two laboratory periods a week. Laboratory fee $6. (Alternate years.)

269 PLANT ANATOMY. 3 credits second semester. Mr. Eames.

A study of the structure of vascular plants. The origin and differentiation of tissues and the relation of structure to function are emphasized. Prerequisite: Botany 101; Botany 268 desirable but not required. One hour recitation, two laboratory periods a week. Laboratory fee $6. (Alternate years; offered 1937-38.)
Physiology of Bacteria. 3 credits second semester. Mr. Allen.

Not offered in 1937-38.

A technical study of the major physiological processes carried on by bacteria and yeasts. Particular attention is given to the influence of various culture media upon the chemical composition, physiological activities and growth processes of microorganisms; the influence of microorganisms upon the culture environment; the mechanisms of growth and death as a result of chemical and physical factors; energy relationships (sources of energy, their utilization in synthesis and in fermentation processes), oxidation-reduction potentials and microbial enzymatic reactions. Prerequisites: Botany 163 or Zoology 291, Botany 151 and 258 or 260, and Chemistry 151 or 230. Two two-hour lectures or discussion periods per week. (Alternate years.)

Proseminar in Plant Physiology. 1 credit each semester. Mr. Bean.

A survey of some of the features of plant nutrition and growth through the medium of selected papers on the subject. The aims of this course will be to present to the student the current interpretations and problems of the subject and to develop in him the ability to evaluate critically its literature. It is not expected that all phases of the subject will be considered though the papers will be selected with a view to diversity of topics. Prerequisites: Botany 164; Botany 162 or 269 recommended.

Laboratory Practice in Advanced Physiology. 1 or 2 credits each semester. Mr. Bean.

Properly qualified students, by arrangement with the instructor, may pursue laboratory work in connection with Botany 271. This may take the form of selected experiments approved by the instructor, participation in research in progress, or a separate problem. Prerequisite: Botany 164. Students electing this work in Physiology should have had or should have in progress Chemistry 151. Laboratory fee $1 per credit hour.

Botanical Research. Credits and hours arranged. Mr. St. John, Mr. Allen, Mr. Bean, or Mr. Weller.

Open to graduate students who show sufficient preparation and ability to carry on studies of an investigational nature. Laboratory fee $1 per credit hour.

Research in the Botanical Phases of Tropical Agriculture. Credits and hours arranged. Mr. St. John or Mr. Allen.

Open to students in the Graduate School of Tropical Agriculture. Planned for original investigations in tropical botany.

Plant Pathology Seminar. Mr. Linford.

(Description listed with Graduate School of Tropical Agriculture courses.)

Research in Plant Pathology. Mr. Linford.

(Description listed with Graduate School of Tropical Agriculture courses.)

Absorption and Movement of Water in the Plant. Mr. Beaumont.

(Description listed with Graduate School of Tropical Agriculture courses.)

Mineral Nutrition. Mr. Sideris.

(Description listed with Graduate School of Tropical Agriculture courses.)


(Description listed with Graduate School of Tropical Agriculture courses.)

Relations of Microorganisms to Physiology of the Plant. Mr. Allen.

(Description listed with Graduate School of Tropical Agriculture courses.)
Courses of Instruction

309 **Plant Anatomy.** 1 credit second semester. Mr. Eames.

A seminar course dealing with plant anatomy and its applications in economic botany. The subject matter may be arranged to meet the interests of those attending. (Offered only in 1937-38.)

350 **Research in Plant Physiology.** Plant Physiology Staff.

(Description listed with Graduate School of Tropical Agriculture courses.)

351 **Plant Physiological Literature.** Plant Physiology Staff.

(Description listed with Graduate School of Tropical Agriculture courses.)

400 **Thesis Research.** Credits to be arranged. Staff.

Graduate students engaged in the preparation of the Master's thesis will register for this course.

**Chemistry**

Undergraduate students majoring in chemistry are required to take the following courses: 101 or 102, 150, 152, 153, 211, 212, 230, 271; and may elect any other chemistry courses. At least one year of college physics and mathematics is strongly advised.

101 **General Chemistry.** 4 credits each semester. Mr. Payne and Mr. Fujimoto.

An introductory course in general chemistry for students without previous training in the subject. Students receiving entrance credit in chemistry are required to elect Chemistry 102. Three hours lecture and one period laboratory each week. Laboratory fee $7 a semester.

102 **Advanced Inorganic Chemistry.** 4 credits each semester. Mr. Bilger and Mr. Fujimoto.

Designed to qualify students who have had chemistry in preparatory schools for advanced work in chemistry, or to serve as a comprehensive survey of the science. Fundamental theories and laws of chemistry are emphasized. Experimental lectures, recitations, and laboratory work. This course may not be taken for credit by students who have received credit for Chemistry 101. Prerequisite: a previous course in elementary chemistry. Three hours classroom and one laboratory period a week. Laboratory fee $7 a semester.

150 **Qualitative Analysis.** 4 credits first semester. Mr. Fujimoto.

A course in systematic qualitative analysis covering characteristic reactions, detention, and separation of the common basic and acidic ions. The lecture periods are devoted to a fundamental study of the theory of solutions and principles of analysis. Prerequisite: Chemistry 101 or 102. Two lectures and two laboratory periods each week. Laboratory fee $8.

151 **Quantitative Analysis.** 4 credits second semester. Mr. Fujimoto.

An abridged course in quantitative analysis for Agricultural and Household Science students and those in Sugar Technology, Agriculture branch. Prerequisite: Chemistry 101 or 102 and 150. Two hours classroom and two laboratory periods a week. Laboratory fee $.5.

152 **Elementary Organic Chemistry.** 4 credits first semester. Mr. Payne.

An introductory course in the chemistry of the carbon compounds dealing chiefly with fundamental principles and detailed study of the aliphatic series, but including also a brief survey of the proteins and carbohydrates. This course is elected by those students requiring only one semester of organic chemistry and those pursuing a more advanced study of the subject. Prerequisite: Chemistry 101 or 102. Three hours lecture and one laboratory period each week. Laboratory fee $9.
153 INTERMEDIATE ORGANIC CHEMISTRY. 4 credits second semester. Mr. Payne.

A continuation of Chemistry 152, devoted chiefly to a study of the chemistry of the aromatic and heterocyclic compounds of carbon. Prerequisite: Chemistry 152. Three hours lecture and one period laboratory per week. Laboratory fee $9.

211 PHYSICAL CHEMISTRY. 3 credits each semester. Mr. Bilger.

An introductory course in theoretical chemistry, including the study of pressure-volume relations of gases, theories of solution, homogeneous chemical equilibrium, phase rule, colloids, thermochmistry, electrolyelchemistry, and the modern theories of the constitution of matter. It is required that this course be taken concurrently with Chemistry 212. Prerequisites: Chemistry 150 and 230. Three hours classroom a week.

212 PHYSICAL CHEMISTRY LABORATORY. 1 credit each semester. Mr. Bilger.

A series of laboratory exercises in the practice of physical chemistry methods. Open to students who have completed or are taking Chemistry 211. Prerequisites: Chemistry 150 and 230. This course must accompany Chemistry 211. One laboratory period a week. Laboratory fee $6 a semester.

230 QUANTITATIVE ANALYSIS. 3 credits each semester. Mr. Fujimoto.

The principles of gravimetric and volumetric analysis, calibration of volumetric apparatus, analysis of pure substance and commercial products, determination of PH of buffer solutions by colorimetric and electrometric methods. Prerequisites: Chemistry 101 or 102 and 150. Three hours lecture and two laboratory periods per week. Laboratory fee $8 a semester.

240 HONORS COURSE IN CHEMISTRY. 3 credits each semester. Members of the Staff.

A student taking this course may work independently on a problem in some one advanced branch of Chemistry, such as advanced Agricultural, Biological, Organic, Physical or Quantitative Analysis. Prerequisites: Chemistry 101 or 102, 150, 152, 153, 230, 260; Mathematics 152, 153; Physics 102. Parallel courses: Chemistry 211 and 212. (Chemistry 260 and 261 may be included.) Laboratory fee $6.

260 BIOLOGICAL CHEMISTRY. 3 credits first semester. Mr. Dillingham.

A course consisting of lectures, recitations, and supplementary reading dealing with the chemistry of food constituents, plant and animal life, and nutrition. Prerequisites: Chemistry 101 or 102, 151, and 152. Three hours classroom a week.

261 AGRICULTURAL CHEMISTRY. 4 credits second semester. Mr. Dillingham.

A course consisting of lectures, recitations, supplementary reading, and laboratory periods dealing with the chemistry of soils, fertilizers, and foods. Prerequisites: Chemistry 260 and its prerequisites. Two hours classroom and two laboratory periods a week. Laboratory fee $6. Note: Since the laboratory work in Chemistry 261 and Chemistry 263 is identical, students taking both courses can obtain 2 credits only for such laboratory work. Such students should register for 2 credits in Chemistry 261 and for 3 credits in Chemistry 263.

262 BIOLOGICAL CHEMISTRY LABORATORY. 1 credit first semester. Mr. Dillingham.

A laboratory course covering experimental studies of proteins, fats, carbohydrates, enzymes, milk, urine. To be taken with Chemistry 260, primarily by Agricultural Chemistry, Home Economics and Pre-Medical students. One laboratory period per week. Laboratory fee $5. Prerequisites: Chemistry 101 or 102, 151, 152.

263 FOOD ANALYSIS. 3 credits second semester. Mr. Dillingham.

A course dealing with the chemistry of foods; food laws, food preservation, and methods of food analysis. Primarily for Junior and Senior students in Household Science. One lecture or recitation period and two laboratory periods a week. Prerequisites: Chemistry 260 and its prerequisites. Laboratory fee $6.
Courses of Instruction

271 COLLOIDAL CHEMISTRY. 2 credits second semester. Mr. Bilger.

An introduction to the chemistry of colloids. Assigned readings and written reports are required. Open to students who have completed Chemistry 150. One class period and one laboratory period a week. Laboratory fee $4.

313 ADVANCED PHYSICAL CHEMISTRY LABORATORY. 1 credit each semester. Mr. Bilger.

(Formerly 213.) A continuation of Chemistry 212. Open only to students who have completed Chemistry 212. Permission to take Chemistry 313 must be obtained from instructor before registration. Laboratory fee $6 a semester.

315 CHEMICAL LITERATURE. 1 credit to 3 credits each semester.

Mr. Dillingham, Mr. Bilger, and Mr. Payne.

A library course in which articles appearing in current chemical periodicals are studied, and topics are assigned for reports. Prerequisites: Chemistry 101 or 102, 150, 152, 153, and 230. May be taken in conjunction with Chemistry 211, 316, and 317.

316 ADVANCED QUANTITATIVE ANALYSIS. Mr. Dillingham.

(Formerly 216.) Primarily a laboratory course covering the analysis of such materials as foodstuffs, fertilizers, soils, sugar-house products, water, urine, etc. Prerequisites: Chemistry 101 or 102, 150, 152, 153, and 230. Usually three laboratory periods a week, but hours and credits may be arranged. Laboratory fee $6 a semester.

317 ADVANCED ORGANIC CHEMISTRY. 3 credits first semester.

Mr. Payne.

(Formerly 217.) A course designed to develop maturity in the literature of the carbon compounds, and manipulative technique in the laboratory. Prerequisites: Chemistry 153 and 230. Two laboratory periods and one discussion hour a week. Laboratory fee $9. Hours to be arranged.

318 CHEMISTRY RESEARCH. Credits and hours arranged each semester.

Mr. Dillingham, Mr. Bilger, Mrs. Bilger and Mr. Payne.

Research and preparation of a related thesis in pure or applied chemistry. Elective course restricted to Senior and Graduate students. Laboratory fees and breakage deposits $3 each credit per semester, not to exceed a total of $18 a semester. Prerequisite or parallel: Chemistry 211, 212, 316, or 317.

350 ORGANIC ANALYSIS. 3 credits second semester. Mr. Payne.

(Formerly 250.) An introduction to the technique of organic analysis, both qualitative and quantitative. Registration is limited to graduate students or seniors intending to take graduate work. Prerequisites: Chemistry 153 and 230. Laboratory fee $9. Hours to be arranged.

400 THESIS RESEARCH. Credits to be arranged. Staff.

Graduate students engaged in the preparation of a Master's thesis in Chemistry will register for this course. Laboratory fees and breakage deposits $3 each credit per semester. Prerequisite: Chemistry 101 or 102, 150, 152, 153, 230, 271, or their equivalents. Prerequisite or parallel: Chemistry 211, 212, 316, or 317.

ECONOMICS AND BUSINESS

Economics

150-151 THE PRINCIPLES OF ECONOMICS. 3 credits each semester.

Mr. Cameron.

An examination of the principles which underlie the consumption, production and distribution of wealth, accompanied by a brief analysis of some of the more important current economic problems such as the control of trusts, the regulation of railways and public utilities, monetary and banking reform, etc. Prerequisite: Sophomore standing.

223 HISTORY OF ECONOMIC INSTITUTIONS. 3 credits each semester.

Mr. Cameron.

Not offered in 1937-38.

A review of economic institutions from primitive times to the present. Population trends, agricultural changes, labor and manufacturing systems, evolution of capital
and business organization, origin and growth of transportation facilities and the development of money, banking and credit are some of the topics discussed. The causes and effects of institutional changes and their relation to human welfare are stressed. Prerequisite: Sophomore standing.

250 ECONOMIC PROBLEMS OF FAR EASTERN COUNTRIES. 3 credits second semester. Mr. Taylor.

A survey of the economic institutions of the more important countries of the Far East, particularly Japan and China, accompanied by an analysis and evaluation of some of their outstanding internal economic problems and policies. Particular attention is given to population pressure, industrialization and government control of industry. Prerequisite: Economics 150-151.

251 ECONOMIC PROBLEMS OF EUROPE. 3 credits second semester. Mr. Taylor.

Not offered in 1937-38.

Post-war domestic and international economic problems and policies of the more important European countries with special reference to the United Kingdom, France, Germany and Russia. Topics stressed are: Economic aspects and implications of Fascism and Communism, industrial and agricultural changes, tariff and trade policies and practices, financial problems, wages, standards of living, unemployment and government control of industry. Prerequisite: Economics 150-151.

252 INTERNATIONAL ECONOMIC PROBLEMS OF THE PACIFIC BASIN. 3 credits first semester. Mr. Taylor.

A general survey of the international economic relationships, problems and policies of the great powers of the Pacific basin; viz., the United States, England, Japan and Russia. Among the topics discussed are: states of economic development, trade and transportation relationships and rivalries, population and capital movements, and the international effects of national economic systems, problems and policies. Prerequisite: Economics 150-151.

256 MONEY, CREDIT AND PRICES. 3 credits first semester. Mr. Hoflich.

A general discussion of money and credit and their relation to prices. Topics stressed are: nature of money, history of money, characteristics of credit, kinds of money and the functioning of the various kinds in monetary systems, the monetary system of the United States, money and prices and the relation of money to the interest rate. Prerequisite: Economics 150-151.

257 BANKING. 3 credits second semester. Mr. Hoflich.

The nature and history of banking followed by a detailed discussion of the banking systems of the United States, including commercial banks, trust companies, savings banks and related banking institutions. Particular attention is given to the organization, functioning and regulation of commercial banks both from the standpoint of the individual bank and from that of the banking system as a whole. Prerequisites: Economics 150-151 and 256.

261 PUBLIC FINANCE. 3 credits second semester. Mr. Hoflich.

Not offered in 1937-38.

The principles of public finance: public expenditures—extent, purposes, determinants and effects; public revenues—public domains and public industries, fees, assessments and charges, taxation and public credit; fiscal administration. Prerequisite: Economics 150-151.

262-263 PRACTICE BANKING. 2 credits each semester. Mr. Hoflich.

Actual work in the Bank of Hawaii or the Bishop National Bank two afternoons each week from 1 o'clock until the books are balanced, together with supplementary readings on bank organization and management. Prerequisites: Economics 256 and 257, permission of the instructor and bank interested.

265 INTERNATIONAL FINANCE. 3 credits second semester. Mr. Taylor.

Not offered in 1937-38.

International financial relationships and accompanying problems and policies. Special consideration is given to international loans and investments; the instruments, technique and organization of foreign exchange; varying monetary standards
Courses of Instruction

and foreign exchange and the international effects of the manipulation of currencies and exchange by national governments. Prerequisite or parallel: Economics 256 and 257.

270 PUBLIC UTILITIES. 3 credits second semester. Mr. Cameron.
The economic nature and history of public utilities, excluding railroads, followed by a critical discussion of their control by the state. Prerequisite: Economics 150-151.

273 OCEAN TRANSPORTATION. 3 credits second semester. Mr. Cameron.

Not offered in 1937-38.

A study of ocean transportation, including the nature and history of ocean transportation, services rendered by ocean carriers, organization of ocean carriers, rate-making, subsidies and government control. Special attention is given to Pacific basin carriers. Prerequisite: Economics 150-151.

276 TRUSTS AND INDUSTRIAL COMBINATIONS. 3 credits first semester. Mr. Cameron.

Not offered in 1937-38.
The movement toward industrial combination, devices used to effect combination, advantages and disadvantages of concentration from the standpoint of the public and regulation by both state and federal authorities followed by a brief survey of the policies of some of the more important foreign countries toward industrial combination. Prerequisite: Economics 150-151.

281 LABOR PROBLEMS. 3 credits first semester. Mr. Taylor.

Not offered in 1937-38.
An analysis of the labor problem from the standpoints of capital, labor and the public. The most important topics discussed are: origin and sources of wage-earners, unemployment, wages, unionism, collective bargaining, strikes and boycotts, cooperation, socialism and labor legislation. Prerequisite: Economics 150-151.

285 THEORY AND CONTROL OF FOREIGN TRADE. 3 credits first semester. Mr. Taylor.
The theory of international trade, historically considered, followed by a detailed study of its control by governments through tariffs, commercial treaties, the consular service, etc. Prerequisite: Economics 150-151.

288 RISK, RISK-BEARING AND SPECULATION. 3 credits first semester. Mr. Hoflich.

Not offered in 1937-38.
A study of the problems of business and personal insecurity arising out of commercial and industrial processes and hazards such as death, fire and accident. Attention is given to the nature of risk, the risk-bearing functions of insurance and organized speculation in commodities and securities, the effectiveness of the risk-bearing processes and structures and the elimination of risk by preventive measures. Prerequisite: Economics 150-151.

291 AGRICULTURAL ECONOMICS. 3 credits second semester. Mr. Taylor.
A brief discussion of farm organization, management, marketing and finance together with an analysis and evaluation of some of the more important accompanying problems. Particular attention is given to the local aspects of the subject matter of the course. Prerequisite: Economics 150-151 or permission of the instructor.

296 RECENT ECONOMIC THOUGHT. 3 credits first semester. Mr. Hoflich.

Not offered in 1937-38.
A general survey of economic thought from John Stuart Mill to the present time with special emphasis on value and distribution. Prerequisites: Junior standing and a grade of B in Economics 150-151 or permission of the instructor.

305-306 SEMINAR IN GENERAL ECONOMICS. Maximum of 3 credits each semester. Mr. Cameron.
University of Hawaii

310-311 SEMINAR IN INTERNATIONAL ECONOMICS AND TRADE. Maximum of 3 credits each semester. Mr. Taylor.

315-316 SEMINAR IN FINANCE. Maximum of 3 credits each semester. Mr. Hoflich.

400 THESIS RESEARCH. Hours and credits to be arranged. Staff.

Business

150-151 ELEMENTARY ACCOUNTING. 3 or 4 credits each semester. Mr. Graham.

The fundamental principals of accounting including the accounting problems of single proprietorships, partnerships and corporations. An elective laboratory carrying one credit is open to students registered in this course. Prerequisite: Sophomore standing in the department of Economics and Business or permission of the instructor.

152-153 ELEMENTARY ACCOUNTING. 3 or 4 credits each semester. Mr. Delpech.

Not offered in 1937-38.

This course duplicates the subject matter in Business 150-151. Organized primarily for unclassified evening session students. Scheduled only in the evening. Credit will not be allowed in both this course and Business 150-151. Prerequisite: Unclassified student status or permission of the instructor.

250-251 INTERMEDIATE ACCOUNTING. 3 credits each semester. Mr. Graham.

Not offered in 1937-38.

This course is concerned primarily with the balance sheet, its form, content and related accounting problems such as valuation of assets, depreciation, etc. Attention is given also to mergers and the construction of consolidated statements. Prerequisites: A grade of at least C in Business 150-151 or 152-153 and Economics 150-151.

252-253 INTERMEDIATE ACCOUNTING. 3 credits each semester. Mr. Delpech.

This course duplicates the subject matter covered in Business 250-251. Organized primarily for unclassified evening session students. Offered only in the evening. Credit will not be allowed in both this course and Business 250-251. Prerequisites: A grade of at least C in Business 150-151 or 152-153, Economics 150-151 or consent of the instructor.

254 COST ACCOUNTING. 2 credits first semester. Mr. Graham.

An elementary study of cost accounting: sources of costs, cost units, cost gathering and the use of cost data are stressed. Scheduled only in the evening. Prerequisites or parallel: Business 250-251 or 252-253 and Economics 150-151 or consent of the instructor.

255 ANALYSIS OF FINANCIAL STATEMENTS. 2 credits second semester. Mr. Graham.

In this course, the balance sheet and profit and loss account are analyzed from the standpoint of the data to be derived from them bearing on the financial standing of business units as investment and credit possibilities. Scheduled only in the evening. Prerequisites or parallel: Business 150-151 or 152-153 and Economics 150-151 or consent of the instructor.

256 INCOME TAX PROBLEMS AND PROCEDURE. 2 credits second semester. Mr. Graham.

An elementary study of the Federal and Territorial income tax laws and the related accounting problems. Problems are solved and individual, fiduciary, partnership and corporation returns are prepared. Prerequisites or parallel: Business 250-251 or 252-253 and Economics 150-151 or consent of the instructor.
259 **Office Management.** 2 credits second semester. Mr. Hoflich.

_Not offered in 1937-38._

Problems of office organization and management, classification of office activities, distribution of authority and responsibility, employment, promotion, compensation, measurement of efficiency, office procedure, office layout, indexing, filing, etc. Prerequisite: Business 150-151 or consent of the instructor.

260-261 **Business Law.** 2 credits each semester. Miss Ashford.

This course deals in a general way with the following topics: nature and sources of law, judicial procedure, contracts, agency and sales, partnerships and corporations, negotiable instruments, personal and real property, suretyship and guaranty, bankruptcy, and insurance. Prerequisite: Junior standing or permission of the instructor.

264 **Principles of Business.** 3 credits second semester. Mr. Cameron.

A general survey of some of the more important principles underlying the organization and management of business enterprises. Included are such aspects of business organization and management as choosing goods to handle, time to enter business, location, size, and legal form of organization; selecting, handling and promoting executives; managing labor; choosing selling policies and promoting good public relations. Prerequisites: Economics 150-151.

265 **Corporation Finance.** 3 credits second semester. Mr. Hoflich.

Problems involved in the financial administration of corporations, such as determination of capital requirements, sources of and devices used to secure capital, marketing securities, control of capital disbursements, credit and income. Prerequisites: Economics 150-151 and Business 150-151 or 152-153.

266 **Investments and Investment Banking.** 3 credits first semester. Mr. Hoflich.

_Not offered in 1937-38._

A general survey of investments and investment banking stressing the economic theory of investment, tests of investment, personnel of investors, investment credit analysis, mathematics of investment, tools of investment, types of investment institutions and their functioning in the process of investment. Prerequisites: Economics 150-151 and Business 150-151 or 152-153 or permission of the instructor.

267 **Business Cycles and Business Forecasting.** 3 credits first semester. Mr. Hoflich.

An analysis of the business cycle and proposed remedies; assumptions, methods involved and statistical data used in forecasting the course of business; business forecasting services; applicability of business forecasts to specific businesses and localities. Scheduled only in the evening. Prerequisite: Economics 150-151 or consent of the instructor.

270-271 **Principles of Marketing.** 3 credits each semester. Mr. Taylor.

A survey of the marketing structure of modern industrial society, stressing the fundamental functions performed in the marketing process and the channels through which these functions are executed, the problems of the manufacturer, wholesaler and retailer, market analysis and research and marketing policies. Prerequisites: Economics 150-151 and Business 150-151 or 152-153.

273 **Economics of Advertising.** 3 credits second semester. Mr. Taylor.

_Not offered in 1937-38._

The economic aspects of advertising. Particular attention is given to the history and present importance of advertising, methods and media used, agencies and campaigns, costs and their measurement and the social and economic consequences of advertising. Prerequisite or parallel: Economics 150-151 and Business 270-271 or consent of the instructor.
275 Technique of Foreign Trade. 3 credits second semester. Mr. Taylor.

The goods entering into foreign trade, foreign markets, channels of distribution in foreign countries, export organizations and export selling methods and policies. Pacific basin trade emphasized. Prerequisites or parallel: Economics 150-151 and Business 270-271 or consent of the instructor.

276 Economics of Retail Merchandising. 3 credits first semester. Mr. Taylor.

Not offered in 1937-38.

Retail merchandising from the economic point of view. Topics stressed: origin and social function of retailing, development and evaluation of the various retail channels, organization and management of the retail business unit and sales promotion. Prerequisites or parallel: Economics 150-151 and Business 270-271 or consent of the instructor.

280 Salesmanship and Sales Management. 3 credits second semester. Mr. Hoflich.

Types of salesmanship; buying motives; personal sales methods and tactics; field of sales management—the product, the market, marketing methods, management of the sales force; sales promotion and adjustment of product to market demand. Prerequisites and parallel: Economics 150-151 and Business 270-271.

291 Statistics. 3 credits second semester. Mr. Hoflich.

Nature and development of the science; uses, characteristics and sources of statistics; gathering material; the problem, the statistical unit; collection of data; tabulation of data; simple diagrams, frequency tables and graphs; types and averages; dispersion; trends; index numbers; comparison of variables; methods, correlation and ratio of variation. Prerequisite: Junior standing.

298-299 Pro-Seminar in Accounting. Maximum of 3 credits each semester. Mr. Graham.

305-306 Seminar in General Business. Maximum of 3 credits each semester. Staff.

ENGINEERING

Civil Engineering

C. E. 101 Surveying. 3 credits each semester. Mr. C. Andrews.

Plane surveying supplemented by lectures and drafting room exercises. The use of the chain, tape, transit, and level, and practice in the manipulation of these instruments in the field. The drafting-room work includes practice in the computations that the surveyor is called upon to make, and plotting from original notes. Parallel: M. D. 101, Mathematics 104. Required of Freshmen in Civil Engineering; Sophomores in Sugar Technology, Agricultural division. Elective for Sophomores in Agriculture, General Science and Sugar Technology, Chemistry division. Laboratory fee $2 a semester. Two field or drafting periods and one recitation.

C. E. 125 Roads and Pavements. 2 credits each semester. Mr. Webster.

Lectures, laboratory, and field work. The lecture work covers the construction and maintenance of various types of roads and city pavements, special reference being made to local types. In the laboratory the student becomes familiar with the type machines used in testing road materials and the methods of performing such tests. Prerequisites: C. E. 101 and M. D. 101. Sophomores in Civil Engineering. Laboratory fee $2 a semester.

C. E. 151 Graphical Statics. 2 credits second semester. Mr. C. Andrews.

Lectures and drafting. The determination of the stresses in framed structures by the graphical method, using the funicular polygon and the stress diagram, are dis-
Courses of Instruction

Coursed in lectures. The stresses in roof and bridge trusses under vertical and inclined loads are obtained in the drafting room. Prerequisite: M. D. 101. Sophomores in Civil Engineering.

C. E. 201 SURVEYING AND DRAWING. 3 credits each semester. Mr. Brinker.

Recitation and field and drafting work. The course covers the various methods of making and plotting topographical surveys, including the theory and use of the plane table, stadia, sextant, and solar attachment to the transit. Students are required to make and reduce observations illustrating the methods of baseline measurement, triangulation, and precise leveling. Prerequisites: Mathematics 106 and C. E. 101. Juniors in Civil Engineering. Laboratory fee $2 per semester. Alternates with C. E. 227. Offered 1931-38.

C. E. 227 SURVEYING. 3 credits each semester. Mr. Brinker.

Not offered in 1937-38.

Railroad surveying, construction, and economics. Field work and recitations cover the methods of establishing grade lines, laying out circular and transition curves, the reconnaissance, preliminary and location surveys for a railroad; earthwork computation, maps, profiles; plans of structures and estimates. Prerequisites: C. E. 101. Mathematics 106. Seniors in Civil Engineering. Laboratory fee $2 per semester. Alternates with C. E. 201.

C. E. 229 MUNICIPAL ENGINEERING. 3 credits each semester. Mr. Keller.

The subject matter of the course includes the general principles and methods of construction and cost; city water supply; waterworks and fire protection; the methods of sewage and garbage disposal; the hydraulics of sewers; the relation of rainfall to storm flow. Part of the course is devoted to municipal transportation problems now handled by the various public service commissions. Seniors in Civil Engineering.

C. E. 231 SOIL MECHANICS. 2 credits each semester. Mr. C. Andrews.

Lectures and discussions covering the field of recent scientific investigations relating to earthwork engineering, particularly dealing with the work of Terzaghi and other European and American investigators. The first part of the course deals with the physical factors involved in earth pressure phenomena, including a study of the physical properties of soils which are of practical importance in connection with engineering operations. The second part of the course is devoted to a study of the various soil phenomena which are known to occur in connection with the earthwork operations and foundation work. Open to Seniors in Engineering and to qualified practicing engineers.

C. E. 252 ANALYTICAL AND APPLIED MECHANICS. 4 credits first semester. Mr. C. Andrews.

The fundamental principles of the various branches of applied mechanics, and the use of higher mathematics in the solution of problems relating to engineering work. Includes the study of analytical statics, composition and resolution of forces, application to rigid bodies, centers of gravity, centers of mass, friction, work, flexible cords, funicular polygon, and the catenary, together with a large number of problems to illustrate special and general methods of solution. The analytical theory of kinetics is developed and special attention is given to the laws of motion, variable forces, constrained motion, central forces, impact, energy, dynamics of prime movers, moments of inertia, rotary motion, and the simple and compound pendulum. Prerequisite: Mathematics 106. Juniors in Engineering.

C. E. 253 STRUCTURAL MECHANICS. 4 credits second semester. Mr. C. Andrews.

The resistance and elasticity of materials in tension, compression, and shearing stress, and the study and calculation of riveted joints, simple beams, cantilevers, restrained and continuous beams, safe loads, elastic curves, deflections, beams of uniform strength, columns, temperature stresses, and horizontal shear in beams, together with the solution of numerous practical problems. Prerequisite: C. E. 252. Juniors in Engineering.
C. E. 255 HYDRAULICS. 3 credits second semester. Mr. Holmes.

The more important principles of hydraulics which govern and treat of fluids at rest and hydrostatic pressure are studied. Manometers and Pitot tubes, Venturi meters, strength of pipes, pressure of water against walls and dams, flow of liquids through pipes and over weirs, loss of head, flow of water in open channels, Kutter's formula, are all included in the study of hydrokinetics. Prerequisite or parallel: C. E. 252 and 253. Juniors in Civil Engineering.

C. E. 276 STRUCTURAL DESIGN. 3 credits first semester. Mr. Young.

Lectures and drafting exercises, in which the student computes the stresses and designs plate girders and steel building trusses and other structural members. Includes the making of complete detail drawings and specifications, done under close supervision and carefully checked. The important general points are covered by lectures, minor points being taken up with individual students during the progress of the work. Seniors in Civil Engineering.

C. E. 277 BRIDGE DESIGN. 3 credits second semester. Mr. Young.

Lectures and drafting exercises following C. E. 276 and covering the complete design of a single track through bridge for a given conventional loading, and including all computations, the making of complete engineer's drawings, and the specifications. Seniors in Civil Engineering.

C. E. 279 CONCRETE AND MASONRY STRUCTURES. 3 credits second semester. Mr. Young.

The properties of stone, brick, and concrete, and their uses in engineering structures, such as foundations, retaining walls, piers, and abutments, including the design of reinforced concrete structures, such as beams, girders, columns, floor slabs, and highway bridges. Lectures and drawing-room work, supplemented by library reference. Prerequisite: C. E. 253. Seniors in Civil Engineering.

C. E. 280 or 281 WATER ANALYSIS. Credit to be arranged either semester. Mr. Keller.

A laboratory course which covers the standard methods of making physical, chemical, and bacteriological examinations of water and sewage. Prerequisite or parallel: C. E. 229. Elective for Seniors in Civil Engineering.

C. E. 284-285 HYDRAULIC LABORATORY. Credit to be arranged either semester. Mr. Holmes.

A laboratory course in which emphasis is placed on the calibration of weirs and orifices. Various types of hydraulic tests, the calibration of nozzles, short tubes, and the study of loss of head in different kinds of pipes may be included. The type of testing varies and is governed by the opportunity afforded. Prerequisite or parallel: Hydraulics (C. E. 255). Elective for seniors in civil engineering.

C. E. 287 ARCHES. 2 credits second semester. Mr. C. Andrews.

Design and investigation of the stability of masonry and reinforced concrete arches. Lectures and drafting exercises, covering the design of a typical masonry arch bridge, and the drawing of equilibrium polygons for various loadings. Prerequisite: C. E. 253. Elective for seniors in Civil Engineering.

Mechanical Drawing (M. D.)

M. D. 101 MECHANICAL AND FREEHAND DRAWING. 2 credits each semester. Mr. Brinker.

Elementary drafting, which includes freehand sketching, freehand lettering, use of instruments, conventional sections, isometric, oblique, and cabinet drawing, development of surfaces, the making of shop drawings, tracing and blue-printing, in which particular attention is given to lettering, general neatness, and accuracy. The cost of materials and instruments required is about $30.
Courses of Instruction

M. D. 133 Descriptive Geometry. 2 credits each semester. Mr. Hoy.

The geometry of engineering drawing, with special reference to its application to practical work in the drafting office, embracing lectures and drafting-room practice in which problems of a practical nature are worked out. Prerequisites: M. D. 101 and Mathematics 104. Sophomores in Civil Engineering.

Mechanical Engineering (M. E.)

M. E. 150 Office and Shop Methods. 2 credits first semester. Mr. C. Andrews.

Lectures familiarizing the students with the type and use of machinery and tools used in pattern, forge, machine, and boiler shops; also the writing of bills of materials and methods of estimating costs. Sophomores in Civil Engineering.

M. E. 202 Materials of Engineering. 2 credits first semester. Mr. Holmes.

A study of the properties of cements, cementing materials, plain and reinforced concrete, and the requirements for such materials. Methods of manufacture, affecting the quality of material, standard tests employed to secure the proper grade of material, and standard specifications, are considered in this course. Prerequisites: Mathematics 106, M. D. 133. Juniors in Civil Engineering.

M. E. 203 Materials of Engineering. 2 credits second semester. Mr. Holmes.

A continuation of the general subject considered in M. E. 252, taking up the properties of and requirements for wood, iron and steel. Prerequisite: M. E. 202. Juniors in Civil Engineering.

M. E. 282 Steam Machinery. 3 credits first semester. Mr. Young.

The fundamental laws governing the transformation of heat into work, embracing the properties of gases, laws of expansion, heat measurement, the mechanical equivalent of heat, properties of steam, construction and study of steam tables, and heat analysis as applied to steam and internal combustion engines. The solution of a large number of problems of a practical nature is required. Lectures and recitations. Prerequisites: Mathematics 106, Physics 102 or 150, 151. Seniors in Civil Engineering.

M. E. 283 Diesel Engines. 2 credits second semester. Mr. Holmes.

A short review of the elementary thermodynamics of the Diesel Engine and a comparison of the various general types of Diesels, followed by a study of the mechanical and thermodynamic characteristics of commercial Diesels from the literature of the various manufacturers, with a view of familiarizing the student with the engines apt to be encountered in the field. Prerequisites: M. E. 282 or consent of the instructor.

M. E. 285 Contracts and Specifications. 2 credits second semester. Mr. Keller.

The course is a series of lectures on contracts, and touches upon points likely to be of value to engineers, together with such principles of law as should be understood by the engineer who is entrusted with the drawing of contracts. A detailed study of typical contracts and specifications for engineering work of various kinds is taken up in the latter part of the course. Prerequisite: M. E. 282, or M. E. 229. Seniors in Civil Engineering.

X. E. 202 Materials Laboratory. 1 credit first semester. Mr. Holmes.

A laboratory course which gives practice in making and testing specimens of cement and concrete, including reinforced concrete. Specimens are made of various mixtures of aggregates and with various water ratios, and the results compared. Parallel course, M. E. 202. Juniors in Civil Engineering. Laboratory fee, $2.50.
X. E. 203. MATERIALS LABORATORY. 1 credit second semester. Mr. Holmes.

A continuation of Course X. E. 202 in the testing laboratory, the work of the second semester covering tests of wood and the metals. The instruction given covers a large number of practical tests, thus affording the student a valuable means of familiarizing himself with the behavior of such materials under stress. Prerequisite: X. E. 202; parallel course, C. E. 203. Juniors in Civil Engineering. Laboratory fee, $2.50.

X. E. 254 MATERIALS LABORATORY. 1 credit first semester. Mr. Holmes.

Not offered in 1937-38.

A continuation of Courses X. E. 202 and 203, intended for the benefit of students who wish to become more familiar with the operation of the testing machines than is possible in the courses of the Junior year, or who may wish to make tests not ordinarily included in routine testing work. Prerequisite: X. E. 203. Elective for Seniors in Civil Engineering. Laboratory fee, $2.50.

ENGLISH

BASIC COURSES

Composition

All regular students, and all special students desiring to elect English 100 or 102, are given a placement test in English. Students in the Colleges of Applied Science and Arts and Sciences who fail to make a satisfactory grade must register in English 20. Courses in English given in Teachers College are professional courses and are open only to students in that college.

20 ELEMENTARY COMPOSITION. 1 credit each semester. Staff.

An elementary course in composition to be taken by all Freshmen in the Colleges of Applied Science and Arts and Sciences whose placement tests show insufficient preparation for English 100. Collateral reading fee $1. Three class meetings a week.*

100 COMPOSITION. 3 credits each semester. Staff.

The principles of exposition, description, and narration; analysis of illustrative specimens; frequent written exercises, and individual conferences with instructor; collateral reading. Designed to lead not only to correctness of expression, but also to a knowledge of constructive principles. Either this course or English 102 is required of all Freshmen in the College of Applied Science and Arts and Sciences. Collateral reading fee $1, first semester.

100B COMPOSITION. 3 credits second semester. Staff.

This course is essentially a repetition of the first semester of English 100, and is given for the convenience of those who complete English 20 in one semester. Students satisfactorily completing English 100B will qualify for admission to English 110 and 150; but they will be expected to complete course 100 during the first semester of their Sophomore year.

100C COMPOSITION. 3 credits first semester. Staff.

This course is essentially a repetition of the second semester of English 100, and is arranged for the convenience of those who have completed English 100B. Such students may also register for English 110 or 150. Collateral reading fee $1.

102 COMPOSITION. 3 credits each semester. Mr. Neil.

This course parallels English 100, and is open to a limited number, chosen on the basis of their school records and the scores made in the English placement test and college aptitude examination. It differs from English 100 in that less stress is laid upon the mechanics of composition and more upon reading and writing. Collateral reading fee $1 first semester.

104 GENERAL ENGLISH. Mr. McCartney.

(Description listed with Teachers College courses.)

* A tuition fee of $15 is charged part-time students taking this course.
Courses of Instruction

110 English Applied in Technical Writing. 2 credits each semester. Mr. Stroven.
(Formally English 120.) The principles of technical exposition, with composition and analysis of reports, papers, and selected types of business letters. May be taken in place of English 150 by Sophomores in the College of Applied Science.

116 Advanced Composition. 3 credits each semester. Mr. Clark.
Practice in various forms of writing, with criticism and illustrative reading. Designed especially for Sophomores.

Journalism

120 Newspaper Reporting. 2 credits each semester. Mr. Horlings.
(Formally English 140.) Fundamentals of news gathering and evaluation and intensive training in writing. The organization, duties and privileges of the newspaper; departmental writing; introduction to editing and the law of libel; laboratory work on Ka Leo during the second semester. Prerequisite: grade of B or better in Freshman English.

122 Journalism Laboratory. Credit arranged each semester. Mr. Horlings.
(Formally English 145.) A problems course for staff members of Ka Leo. Conferences and reporting and editing on Ka Leo. Prerequisite: English 120 and consent of instructor.

Speech

30 Speech Improvement. 1 credit each semester. Staff.
An elementary course on the sounds of English; required of all freshmen whose speech is below the standard required of university graduates or who need a higher standard and greater proficiency in conversational speech. Textbook fee $1. Two recitations.

130 Fundamentals of Public Speaking. 3 credits each semester. Mr. Brigance and Mr. Peavey.
(Formally English 205.) The fundamentals of action, projection, self control before audiences, outlining and speech organization. Platform speaking throughout the course. A beginning course open to all students.

132 Argumentation and Debate. 3 credits each semester. Mr. Beck.
(Formally English 206.) The nature of argument, with emphasis on analysis, brief drawing, outlining, reasoning, sources and kinds of evidence, audience types and problems. Practice in argumentative speaking.

134 Voice and Diction. 3 credits each semester. Mr. Peavey and Miss Larry.
(English 150-151 in 1936-37.) A systematic training in the nature, articulation, speech-tune, rhythm, and pronunciation of English speech. Elementary interpretation will form a part of the basic drills. Intended for students who want intensive training in English speech above the level of English 30.

140 Play Production. 3 credits each semester. Mr. Wyman.
(Formerly English 160-161.) A practical course dealing with scene design, construction and painting, lighting, properties, and stage management. Designed for the production of school, club, and community plays in all their phases.

* A tuition fee of $10 is charged part-time students taking this course. Advanced students who have been removed from classified standing by the University Committee on English because of unsatisfactory speech are not given credit for taking this course.
DRAMATIC INTERPRETATION. 1 credit each semester. Mr. Wyman.

A laboratory course in dramatic interpretation, using the major productions of the Theatre Guild as material.

Literature

ENGLISH LITERATURE. 3 credits each semester. Mr. Sinclair.

(Formerly English 130.) A survey of English literature from Beowulf to Wells, with special attention to the development of the ideas and ideals that have helped shape our present ways of life. In addition to the reading of some standard history of literature and the collection of extracts, there will be a detailed study of at least six complete novels and plays. Required of all sophomores in the College of Arts and Sciences, and may be elected by Sophomores in the College of Applied Science in place of English 110. Prerequisite: English 100 or 102.

GENERAL ENGLISH. Mr. Coale.

(Description listed with Teachers College courses.)

LITERATURE OF THE PACIFIC ISLANDS. 1 credit each semester. Mr. Stroven.

A survey of the literature of the South Seas, including narratives by Melville, Stevenson, London, Maugham, Nordhoff and Hall, and other writers deserving but less well known.

INTRODUCTION TO POETRY. 3 credits each semester. Mr. Clark.

A study in the appreciation and interpretation of representative shorter poems.

ADVANCED COURSES

Composition

BUSINESS CORRESPONDENCE AND COMMERCIAL JOURNALISM. 2 credits each semester. Mr. Peavy.

(Formerly English 201.) Designed especially for students in Economics and Business. A study of principles and practices observed in business correspondence; practice in the writing of sales, credit collection, adjustment, and application letters. Principles of publicity, practice in writing advertising folders and pamphlets and promotion articles for newspapers and magazines. Open only to Juniors and Seniors.

THE ONE-ACT PLAY. 3 credits first semester. Mr. Wilson.

Not offered in 1937-38.

(Formerly English 250.) The technique of the one-act play, analysis of selected examples, and the writing of original plays.

THE SHORT STORY. 3 credits second semester. Mr. Wilson.

Not offered in 1937-38.

(Formerly English 251.) A creative writing course supplementary to 216. Analysis of models and writing of original stories. Prerequisite: English 150 or equivalent.

Journalism

ADVANCED JOURNALISTIC WRITING. 2 credits first semester. Mr. Horlings.

Not offered in 1937-38.

(Formerly English 260.) The reporting of public affairs; feature writing; the fact article for magazine and trade journal; the review and the editorial. Prerequisite: English 120 or consent of the instructor.
Courses of Instruction

221 News Editing. 2 credits second semester. Mr. Horlings.

Not offered in 1937-38.

(Formerly English 261.) Covering local news sources, newspaper law, press associations, feature syndicates, correspondence, newspaper illustration, advanced work in editing and headline writing. Prerequisite: English 120 or consent of instructor.

Speech

230 Literary Interpretation. 3 credits each semester.

Not offered in 1937-38.

A study of the art of giving to others through speech the ideational and emotional content of literature; problems in both analysis and expression involved at various levels and in various types of literature. Prerequisite: English 134 or its equivalent.

236 The Foundations of Public Discussion. 3 credits first semester. Mr. Brigance.

The place of public discussion as a form of force in a democracy; the psychology of the audience, its prejudices and motivation; rhetoric, logic, and persuasion in human relations. Practice in preparing and delivering speeches on current public issues. Prerequisite: English 130 or consent of instructor.

237 The Forms of Address. 3 credits second semester. Mr. Brigance.

A critical study of the methods and literature of various types of public address; preparation and delivery of the more important types. The following types are included: After dinner, eulogy, dedication, anniversary, introduction, welcome, response, presentation, acceptance, legislative and political, court room, pulpit, public lecture. Prerequisite: English 130 or consent of instructor.

240 Modern Drama. 3 credits each semester. Mr. Wyman.

Not offered in 1937-38.

(Formerly English 162-163.) A critical reading of selected modern plays with special emphasis upon dramatic values.

246 Play Direction. 3 credits each semester. Mr. Wyman.

(Formerly English 166-167.) A course designed to give particular attention to stage presence, characterization, and pantomime. Material will be taken from standard modern plays and classics. Prerequisite: One year of experience in dramatics and permission of instructor.

249 Seminar in Forensics. Credit arranged each semester. Mr. Beck.

A course limited to students participating in University forensics or others admitted by the instructor.

Literature*

250 European Masters. 3 credits each semester. Mr. Sinclair.

(Formerly English 216.) A study of the writing in translation of sixteen European masters from Dante to Ibsen, including Cervantes, Goethe, Voltaire, Rousseau, Montaigne, Moliere, Hugo, Flaubert, Anatole France, Tolstoi, Dostoevsky, Turgeniev, Bjornson, Strindberg. Lectures, reports.

252 World Literature. 3 credits each semester. Mr. Sinclair.

Not offered in 1937-38.

(Formerly English 214.) An outline course presenting in English translations the major writings of Japan, China, and India, in the first semester; and in the second, the classics of Persia, Arabia, Greece, and Italy.

* English 150 is prerequisite to all courses in this division.
260 AMERICAN LITERATURE. 3 credits each semester. Mr. Stroven.  
(Formerly English 240.) A critical survey of American literature to the present, 
with attention to the main currents of American thought and culture.

262 THE FRONTIER IN AMERICAN LITERATURE. 3 credits each semester. Mr. Stroven.  
Not offered in 1937-38.  
A study of the direct contributions made by the frontier to American literature, 
including, among others, folk literature, western humor, and the work of such writers 
as Mark Twain, Bret Harte, Joaquin Miller, and Willa Cather. Prerequisite: Acquaintance with general American literature.

266 SPECIAL STUDIES IN AMERICAN LITERATURE. 3 credits each semester. Mr. Stroven.  
A study of one or two major American writers or of some special aspect of American 
literary history. Prerequisite: Acquaintance with general American literature.

270 THE ENGLISH NOVEL FROM THE BEGINNING TO THE PRESENT.  
3 credits each semester. Mr. Neil.  
(Formerly English 207 and 255.)

272 ENGLISH DRAMA FROM THE BEGINNING TO THE PRESENT. 3 credits each semester. Mr. Wilson.

274 THE AGE OF CHAUCER. 3 credits first semester. Miss Schwartz.  
Not offered in 1937-38.

275 THE AGE OF ELIZABETH. 3 credits second semester. Miss Schwartz.  
Not offered in 1937-38.

276 SHAKESPEARE. 3 credits each semester. Miss Schwartz.  
(Formerly English 252-253.)

280 THE AGE OF MILTON. 3 credits each semester. Mr. Sinclair.  
Not offered in 1937-38.  
Milton the first semester; Milton's contemporaries the second semester.

282 THE AGE OF POPE AND JOHNSON. 3 credits each semester. Miss Schwartz.  
The Age of Pope the first semester; the Age of Johnson the second semester.

284 THE AGE OF WORDSWORTH. 3 credits each semester. Mr. Neil.

286 THE VICTORIAN PERIOD. 3 credits each semester. Mr. Neil.  
Not offered in 1937-38.

288 THE TWENTIETH CENTURY. 3 credits each semester. Miss Schwartz.  
A study of representative contemporary novelists, playwrights, poets, etc., English 
and American; the starting point being Bennett, Wells, and Galsworthy in the 
English novel.
Courses of Instruction

Professional Courses

290-291 ENGLISH IN THE ELEMENTARY SCHOOL. Mr. Coale.
(Description listed with the Teachers College courses.)

292-293 ENGLISH IN THE SECONDARY SCHOOL. Mr. Coale.
(Description listed with the Teachers College courses.)

294-295 LITERATURE OF THE ELEMENTARY SCHOOL. Mr. McCartney.
(Description listed with the Teachers College courses.)

297 THE SOUNDS OF ENGLISH. 2 credits first semester. Miss Henderson.
Elementary phonetics with emphasis on ear training and the production of English speech sounds.

298 SPEECH CORRECTION. 2 credits second semester. Miss Henderson.
The study of the speech apparatus as it functions in the formation of speech sounds, and the application of this knowledge to the correction of functionally defective speech. Prerequisite: English 297 or its equivalent.

Graduate Courses

300 SPEECH PATHOLOGY. Miss Henderson.
Classification of defects and disorders of speech, with intensive study of disordered speech, its causes and methods of correction. Prerequisites: English 297, 298, or their equivalent, and consent of the instructor. Without laboratory, 2 credits; with laboratory, 4 credits.

310 THE DEVELOPMENT OF MODERN ENGLISH. Miss Schwartz.
Not offered in 1937-38.
A study of usage in pronunciation, grammar, etc., in the light of the history of the English language.

350 SEMINAR IN ENGLISH LITERATURE. Hours and credits to be arranged. Staff.
An introduction to the methods of independent study and research, applied to some special aspect of English literature. Either this seminar or the English 360 seminar is required of all master's candidates.

360 SEMINAR IN AMERICAN LITERATURE. Hours and credits to be arranged. Staff.
A seminar in American literature similar in method and scope to English 350. Either this seminar or the English 350 seminar is required of all master's candidates.

400 THESIS RESEARCH. Hours and credits to be arranged. Staff.

French

100 ELEMENTARY COURSE. 3 credits each semester. Mr. Pecker and Mrs. Métraux.
Phonetics, dictation, conversation, reading of easy prose and poetry.

101 NINETEENTH CENTURY FRENCH NOVEL. 3 credits each semester. Mrs. Métraux.
Reading of selected masterpieces of Hugo, Daudet, Balzac, Sand and others. Prerequisite: one year of French in college or two years in preparatory school.
200 **CONTEMPORARY FRENCH LITERATURE.** 3 credits each semester. Mr. Pecker.

Critical study of the most modern movement in French prose. Texts for use in class are imported directly from Paris. Essays, lectures and discussions on contemporary topics. Prerequisite: two years of college French or equivalent.

201 **PHONETICS.** 1 credit each semester. Mr. Pecker.

A study of French sounds. Required of those majoring in Romance languages. Conversation and dictation.

202 **ADVANCED CONVERSATION AND COMPOSITION.** 2 credits each semester. Mr. Pecker.

A practical course in every day current French. Reading of French newspapers and magazines with discussions of various aspects of contemporary French life. Compositions on assigned topics. Prerequisite: three years of college French or equivalent. As subject matter is completely changed every year, this course may be taken twice for credit.

250 **CLASSIC DRAMA.** 2 credits first semester. Mr. Pecker.

Masterpieces of Corneille; Racine and Molière. Lectures in French upon the literary history of the period. Additional outside reading and research will be assigned.

251 **ROMANTIC SCHOOL.** 2 credits second semester. 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.

252 **MODERN FRENCH DRAMA.** 2 credits first semester. Mr. Pecker.

Not offered in 1937-38.

Selected plays of Brieux, Rostand, Maeterlinck, Giraudoux, Bataille, Gerald, Cocteau and others. Rapid reading with essays, lectures and discussions. Individual research and reports.

253 **ADVANCED FRENCH SEMINAR.** 2 credits second semester. Mr. Pecker.

Not offered in 1937-38.

Continuation of study as outlined for French 252, or similar work on any phase or period of French literature in which students may be interested. Individual research and reports. Prerequisite: three years of college French or equivalent.

260-261 **CONTEMPORARY FRENCH LITERATURE.** Hours and credits to be arranged each semester. Mr. Pecker.

Individual research in the very latest French publications. To be taken only with the consent of the instructor.

**GEOGRAPHY**

150 **ELEMENTS OF GEOGRAPHY.** 3 credits first semester. Mr. Jones.

A course dealing with descriptions and interpretations of natural and cultural landscapes bringing out the relationships of people to the natural environment of the areas in which they live. Discussions of economic adjustments to climate and relief comprise a large part of the subject matter of the course.

151 **ECONOMIC GEOGRAPHY.** 3 credits second semester. Mr. Coulter and Mr. Jones.

A study of the relationship of the production of the more important raw materials of industry to natural environment and the distribution of the products in international trade. Prerequisite: Geography 150.
Courses of Instruction

160 **FIELD GEOGRAPHY** (Basic Course). 2 credits second semester. Mr. Jones.

Field studies, with related laboratory work, emphasizing methods of observing, mapping, and interpreting cultural and natural features in and near Honolulu. Class study of geographical techniques suitable for advanced field work in geography and other sciences. Prerequisite: Geography 150.

180-181 **ELEMENTARY METEOROLOGY**. 2 credits each semester.

The atmosphere and its constituents; the effect of pressure and temperature on weather; the formation of rain, clouds, fog, etc.; conditions conducive to storms, thunder showers, hurricanes, and tornadoes; atmospheric phenomena, as lightning, thunder, and mirages; climate and ocean currents; the weather map, and the preparation of the weather forecast.

200 **FIELD GEOGRAPHY**. Hours and credits to be arranged. Mr. Coulter.

*Not offered in 1937-38.*

This course comprises field and library work in human and economic geography. It includes collection, evaluation and presentation of field data. Registration only on consent of the instructor.

252 **GEOGRAPHY OF NORTH AMERICA**. 3 credits first semester. Mr. Coulter.

*Not offered in 1937-38.*

A survey of the major geographic regions of North America from the standpoint of the relationship between the principal economic activities and the natural environment. Prerequisite: any one of the following: Geography 150, 151, Geography 261 (listed also with courses in Teachers College) Geology 252. (Open to juniors and seniors without prerequisite.)

255 **GEOGRAPHY OF ASIA**. 3 credits second semester. Mr. Coulter.

A study of the geographic regions of Asia with special emphasis on Japan and China. The course deals with the natural and cultural features which in association characterize each region. Similarities and differences in the use of the land and its resources are discussed in relation to the natural environment. Geography of Asia is designed as background for students in the Oriental Institute and also for advanced students in Geography. Prerequisite: any one of the following: Geography 150, 151, Geography 261 (listed also with courses in Teachers College) Geology 252. (Open to juniors and seniors without prerequisite.)

261 **OCCUPATIONAL GEOGRAPHY**. 3 credits first semester. Mr. Jones.

This course consists of lectures and discussions on a series of problems based upon the occupational life of the peoples of the world. Available sources of material for children of the elementary schools will be considered. Not open for credit to students who have taken Geography 150. (Listed also with courses in Teachers College.)

262 **GEOGRAPHY OF HAWAII**. 2 credits first semester. Mr. Coulter.

*Not offered in 1937-38.*

An interpretation of the economic activities in Hawaii in relation to the natural environment of the islands and the cultural background of the people. Prerequisite: one course in geography.

263 **GEOGRAPHY OF PACIFIC ISLANDS**. 2 credits second semester. Mr. Coulter.

*Not offered in 1937-38.*

The human and economic geography of Polynesia (except Hawaii) Melanesia, Micronesia, and the Philippines. Prerequisite: one course in geography.

271 **POLITICAL GEOGRAPHY**. 2 credits first semester. Mr. Jones.

*Not offered in 1937-38.*

A study of political areas, their boundaries, capitals, and other critical points and zones. The course also includes discussions of the economic relationships between political units. Geography 150 is a desirable preparatory course.
300 Geography Seminar. Hours and credits to be arranged. Mr. Coulter and Mr. Jones.

Special work in geography may be arranged for students capable of advanced study. Registration only on consent of instructor.

301 Seminar in Political Geography. Hours and credits to be arranged. Mr. Jones.

Special work in political geography for students capable of advanced study. Registration only on consent of instructor.

400 Thesis Research. Credits to be arranged. Mr. Coulter and Mr. Jones.

Graduate students engaged in the preparation of a Master's thesis in geography will register in this course.

GEOLOGY

252 Physical Geology. 3 credits first semester. Mr. Palmer.

A study of the materials composing the earth and of the work of the atmosphere, streams, ground water, lakes and oceans, ice, earthquakes, and volcanoes. The nature of the agents and the results they accomplish. Prerequisite: any one of the following: Botany 101, Chemistry 101 or 102, Geography 150 and 151, Physics 102 or 150 and 151, or Zoology 150. Two recitations and one laboratory period a week. Laboratory fee $1.

253 Historical Geology. 3 credits second semester. Mr. Palmer.

The history of the earth, of its continents and ocean basins, and of its plants and animal inhabitants. Prerequisite: Geology 252 or 256. Two recitations and one laboratory period a week. Laboratory fee $1.

254 Economic Geology. 3 credits first semester. Mr. Palmer.

A study of the distribution, nature, and origin of the more important metallic and non-metallic minerals. Prerequisites: Geology 252 or 256. Three recitations a week. (Alternate years; offered 1937-38).

255 Geology of Ground Water. 2 credits second semester. Mr. Palmer.

The origin, amount, distribution, circulation, recovery, and quality of ground water. Special reference is made to Hawaiian ground waters. Prerequisite: Geology 252 or 256. Two recitations a week. Laboratory fee $1. (Alternate years; offered in 1937-38).

256 Geology for Engineers. 3 credits first semester. Mr. Palmer.

Not offered in 1937-38.

A study of the materials of the earth, and of the modes of work and results accomplished by the various geological agents, introduced by a brief discussion of weather and climate. Required of Juniors and Seniors in Civil Engineering. Open to others on consent of the instructor. Three recitations a week.

260 Physiography. 3 credits first semester. Mr. Palmer.

Not offered in 1937-38.

A study of the processes that sculpture the topographic forms at the surface of the earth, comprising their manner of work and the results of their work, with especial reference to the cycle concept. Prerequisite: Geology 252 and 253. Three recitations a week.

261 Crystallography. 1 credit second semester. Mr. Palmer.

Lectures on Crystallography, including the geometrical laws of crystals, the crystal systems, and the chief crystal forms. One lecture a week. Admission only with permission of the instructor.
Courses of Instruction

229 History of the Cultural Relations Between China and the Occident. 2 credits each semester. Mr. Chen.

The religious, intellectual, and commercial relations between China and Occidental countries from the earliest times down to the present: Sino-Roman contacts, introduction of Christianity into China, influence of Chinese civilization in Europe, and the impact of western science upon the Chinese.

241-242 History of the United States. 3 credits each semester. Mr. Hunter.

A detailed political, economic, and social survey of the American people from 1607-1890.

243 The New United States, 1890-1936. 3 credits second semester. Mr. Hunter.

A survey of the political, economic, and social transformation of the United States since the close of the Frontier period.

244-245 Diplomatic History of the United States. 3 credits each semester. Mr. Hunter.

Not offered in 1937-38.

The relations of the United States with Europe, South America, and the Far East from 1775 to the present.

249 Representative Americans. 2 credits second semester. Mr. Hunter.

A series of biographical sketches of leading characters in American history from the Revolution to the present. Lectures and reports, accompanied by reading from standard biographies.

250 The History of Early Civilization in the Far East. 2 credits first semester. Mr. Sakamaki.

Not offered in 1937-38.

A general survey of the development of civilization in Eastern Asia. Subjects to be treated include physical environment, flora and fauna, early man, the races of Asia, neolithic, chalcolithic and bronze ages, Shang and Chou dynasties, iron age, and diffusion of civilization over Eastern Asia.

251 History of Thought in Japan. 2 credits second semester. Mr. Sakamaki.

Not offered in 1937-38.

A study of the major schools of thought and important thinkers, social reformers, economists, statesmen and educators of the Far East, including the Confucian, Taoist, Mohist, Legalist, Buddhist, Ryobu-Shinto, Neo-Confucian, Wang Yang-ming and neo-Shinto schools, and various non-conformist thinkers.

252 Constitutional History of the United States. 3 credits first semester. Mr. Hunter.

The genesis, drafting, ratification, and development of the Federal Constitution.

253-254 History of Hispanic America. 3 credits each semester. Mr. Hunter.

Not offered in 1937-38.

The political, economic, and social development of the Hispanic American Republics from colonial times to the present; with emphasis on the ABC Powers and South America's relations with the United States.
History of the Hawaiian Islands. 2 credits first semester. 
Mr. Kuykendall.
*Not offered in 1937-38.*
A general course in some detail, with emphasis on the period of the monarchy. Lectures, assigned reading, and exercises.

The Pacific Region in Modern Times. 3 credits first 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.

Russia in Asia. 3 credits first semester. Mr. Mehnert.
The history of Russian expansion and colonization in Siberia; relations with China and Japan.

Russia in the Pacific. 3 credits second semester. Mr. Mehnert.
A study of Russian discovery and colonization in Alaska and the Pacific Northwest.

Seminar in Historical Method. 2 credits first semester. Mr. Hunter.
Designed to give graduate students training in the evaluation of sources and in the preparation of theses. Open to seniors and graduate students.

Seminar in American Diplomatic History. 2 credits second semester. Mr. Hunter.
*Not offered in 1937-38.*
Open to seniors and graduates who wish to acquire more familiarity with source materials.

Seminar in European Diplomatic History. 2 credits second semester. Mr. Mehnert.
*Not offered in 1937-38.*
Open to seniors and graduate students majoring in history or international relations.

Seminar in Historiography. 2 credits second semester. Mr. Hunter.
Open to seniors and graduates who desire a better knowledge of historians.

Seminar in Japanese History. 2 credits each semester. Mr. Sakamaki.
*Not offered in 1937-38.*
Open to graduates and seniors majoring in history.

Seminar: Russia in the Far East. 2 credits each semester.

Seminar in Hawaiian History. 2 credits each semester. Mr. Kuykendall.
A seminar course open only by permission of the instructor to graduate and unclassified students. The course must be taken for both semesters.

Thesis Research. Credits to be arranged. Staff.
Graduate students engaged in the preparation of a Master’s thesis in History will register for this course.
Courses of Instruction

HOME ECONOMICS

General Courses

H. E. 250 HOUSEHOLD MANAGEMENT. 3 credits first semester. Miss Bazore.
A study of the practical arrangement, organization, equipment, and care of the house in relation to costs and their contribution to better family life. Special consideration to individual and family budgets. Open to Juniors and Seniors only. Two lectures, one 2½-hour laboratory period.

H. E. 251 TEACHERS' COURSE IN HOME ECONOMICS. 2 credits second semester. Miss Bazore.
A course for Home Economics majors or Home Economics teachers in service. The course will include such topics as the aims in teaching home economics, problems in the various phases of subject matter, methods of presentation, planning a course of study to fit the needs of the girl, aids in teaching, home projects, laboratory equipment, and text-books.

H. E. 252 CHILD TRAINING. 2 credits second semester; 3 credits with laboratory. Mrs. Smith.
A consideration of the importance of the pre-school years in the development of the individual and a study of a constructive program of training, with special emphasis on the normal child in the home situation. Designed to give students a better understanding of the nature and needs of childhood. Home Economics majors are required to have one laboratory period. Planned especially for home economics students but open to all Juniors and Seniors. Prerequisite: Psychology 150.

H. E. 253 CHILD CARE AND HOME NURSING. 2 credits first semester. Mr. Gaudin and Miss MacOwan.
A course dealing with reproduction, needs of the expectant mother, child birth, care of the infant and pre-school child, normal growth of children, and minor ailments, accidents, and common diseases of children. A portion of the course will be given to the discussion and practice of home nursing.

H. E. 291 PRACTICE COURSE IN HOME MANAGEMENT. 2 credits second semester. Miss Bazore.
Practical application of previous courses in Home Economics. Management and care of the home including planning, preparation of meals, budgeting the income, purchasing of supplies, and keeping accurate account of household expenditures. Groups of four to six students live in the house for four to six weeks under supervision of an instructor. Required for graduation of all Home Economics majors. Prerequisite: Junior or Senior standing. Fee to be arranged each year. Conferences and laboratory period.

H. E. 295 FIELD PRACTICE IN HOME ECONOMICS. Hours and credits to be arranged.
After the Junior and Senior year properly qualified students, upon the recommendation of the home economics advisor and the assistant director of the agricultural extension service, may apply for summer work under the immediate direction of a county home demonstration agent.

Household Art

H. A. 110-111 CLOTHING CONSTRUCTION. 2 credits each semester. Mrs. Dahl and Mrs. Mark.
The fundamental processes of technique are taught by the construction of simple dresses and undergarments. Emphasis is placed upon selection, design, and the manipulation and fitting of commercial patterns. Lectures, discussions, and laboratory. Required of students in Home Economics. Laboratory fee $3.50 a semester.
H. A. 112 Textiles. 1 credit each semester. Mrs. Dahl.

A course designed to give the consumer a knowledge and an appreciation of textiles. A study of textiles from the standpoint of production, manufacture, design, and economics. Practical household tests. A brief study of the historical development of the textile industry. Laboratory fee $1.50.

H. A. 114 Dressmaking and Designing. 2 credits each semester. Mrs. Dahl.

The principles underlying the cutting and fitting of costumes by the drafting and modification of foundation patterns. The application of the principles of costume design and textile selection will be taught in connection with the construction of two original costumes. Lectures, discussion and laboratory work. Prerequisite: H. A. 110 and 112; prerequisite or parallel: Art 150, 153. Laboratory fee $3.50 a semester.

H. A. 150-151 Costume Appreciation. 1 credit each semester. Mrs. Dahl.

By means of discussion and demonstration the course will develop appreciation of costume as a means of art expression. Costume is considered from the standpoint of abstract design, suitability, and expressiveness. Open to all students. Laboratory fee $1.50.

H. A. 252 Millinery. 3 credits second semester. Mrs. Dahl.

The construction and trimming of hats, including the making of wire and willow frames, the copying of models and pictures of hats, and the execution of original designs. Prerequisite: H. A. 114. Laboratory fee $5 per semester.

H. A. 253 Advanced Dressmaking. 3 credits first semester. Mrs. Dahl.

This course includes tailoring and advanced instruction in the choice of materials and practice in the art of design and dressmaking. Prerequisite: H. A. 114. Laboratory fee $3.50.

Household Science

H. S. 102 Food Economics. 3 credits each semester. Miss Bazore.

The selection, preparation and comparison of foods as related to composition, cost, and season. Students are required to give some time to meal planning, serving, and demonstrations. The cost and availability of foods with regard to economic conditions, production, transportation, and marketing are considered. Prerequisite: Chemistry 101 or 102; H. S. 150 or its equivalent. Laboratory fee $5 per semester. One lecture, two 2½-hour laboratory periods.

H. S. 150 Elementary Food Preparation. 3 credits first semester. Miss Glenn and Miss Yonge.

A study of the classes of foodstuffs and fundamental processes of food preparation, with emphasis on meal planning and serving. The production, manufacture, and composition of the common foods are considered in lectures. Required of all students whose placement tests show insufficient preparation to enter H. S. 102. Open to all students, no prerequisite. One lecture, two 2½-hour laboratory periods. Laboratory fee $5.

H. S. 155 Elementary Nutrition for Nursing Students. 3 credits second semester. Miss Glenn.

The study and application of the principles of nutrition in relation to health and disease. Special emphasis is placed upon the nutritive value and use of foods grown or used in Hawaii. This course is designed for nursing students only. Prerequisite: H. S. 150. One lecture, two 2½-hour laboratory periods. Laboratory fee $5.

H. S. 200 Nutrition. 3 credits each semester. Miss Miller.

A study of the nutritive requirements of man; the function of food in the body; the nutritive value of foods and their place in the diet. The course includes a study of the foods and diet of peoples of the Orient and the Pacific Islands as well as the United States. Prerequisites: Chemistry 101 or 102; Chemistry 152. Prerequisite or parallel: Chemistry 260, 262. Two lectures and one 2½-hour laboratory period. Laboratory fee $5 a semester.
Courses of Instruction

H. S. 249-349 RESEARCH. Hours and credits to be arranged. Miss Miller.

Problems according to preparation of student. Investigation of nutritional problems; animal and human feeding experiments. For Seniors and Graduates. Laboratory fee $5 a semester.

H. S. 251 FOOD INVESTIGATION. 2 or 3 credits each semester. Miss Miller and Miss Bazore.

Special problems relating to cost, preparation, and utilization of food. Studies may be of a general nature or with reference to Hawaiian conditions. Laboratory and conferences. Prerequisite: H. S. 102. Laboratory fee $5.

H. S. 252-253 FIELD PRACTICE IN HOUSEHOLD SCIENCE. Hours and credits to be arranged. First and second semesters. Miss Miller.

During the Senior or Graduate year, students who have completed H. S. 200, may take field practice in cooperation with any of the organizations listed below.

1. The Social Service Bureau of Honolulu will give field practice in social nutrition work under the direction of its trained workers for Seniors or Graduates majoring in Household Science. H. S. 200 must be taken previously or parallel. Sociology satisfactory to the Social Service Bureau will also be required. The number of hours and credits will be arranged for each student.

2. The Queen's Hospital of Honolulu will cooperate with the Household Science Department of the University, so that Seniors or Graduates may obtain field practice as student dietitians in the hospital. Hours and credits will be arranged for each individual student.

3. The Castle Kindergarten of Honolulu offers field practice in the Nursery School. Child Training and Child Psychology courses satisfactory to the director of the Kindergarten must be taken prerequisite or parallel with the work there. For this course H. S. 271 may be offered in place of H. S. 200.

H. S. 255 CAFETERIA PRACTICE. 3 credits each semester. Miss Flint.

A study of problems relating to the organization and management of a school cafeteria. Practical training in menu-planning; preparation and serving of foods in large quantities; food buying; keeping simple accounts. Prerequisites: H. S. 150, H. S. 102. Prerequisite or parallel: H. S. 200 or H. S. 271. Conference and laboratory periods to be arranged at the University Cafeteria.

H. S. 271 ELEMENTARY NUTRITION. 4 credits second semester. Miss Bazore and Miss Glenn.

A study of the principles of nutrition in relation to health and their application in the planning of meals for the family. Required of all Home Economics students not taking H. S. 200. Open to all Juniors and Seniors. Prerequisite: H. S. 150 or its equivalent approved by instructor. Two lectures, two 2½-hour laboratory periods. Laboratory fee $5.

H. S. 350-351 SEMINAR IN NUTRITION. 1 credit each semester. Miss Miller.

The course includes a review of current literature of interest to students of nutrition. The major part of the work is the preparation of reports and reviews of articles on assigned topics, followed by group discussion. Prerequisite: qualified preparation in nutrition and physiological chemistry. The permission of the instructor is required for admission to the course. One meeting of 1½ hours each week.

H. S. 400 THESIS RESEARCH. Hours and credits to be arranged. Staff.

See pages 66 and 67 for outline of courses in Home Economics. After the second year the student may choose a household art major or household science major. Education courses to satisfy the requirements for teaching may be taken as electives in the Junior and Senior years if desired.
104 ENGINEERING MATHEMATICS. 5 credits each semester. Mr. Webster.
Plane and solid analytic geometry, spherical trigonometry, and a short course in advanced algebra and differentiation. Required of Freshmen in Engineering. Prerequisites: two years of high school algebra, one year of plane geometry, one semester of plane trigonometry. Solid geometry is strongly recommended but not required.

106 CALCULUS. 3 credits each semester. Mr. Hoy.
Differential and integral calculus. Required of Sophomores in Engineering. Prerequisite: Math. 104 or 152-153.

149 ALGEBRA, PLANE TRIGONOMETRY, AND ANALYTIC GEOMETRY.
3 credits each semester. Mr. Holmes, Mr. Hoy, and Miss Yap.
Second year algebra, plane trigonometry and analytic geometry. Prerequisites: one year of high school algebra, and one year of plane geometry. Six hours a week.

150 PLANE TRIGONOMETRY. 3 credits first semester. Mr. Webster, and Mr. Brinker.
Prerequisites: two years of high school algebra and one year of plane geometry.

151 ALGEBRA AND ANALYTIC GEOMETRY. 3 credits second semester. Mr. Webster and Mr. Brinker.
Prerequisites: two years of high school algebra, one year of plane geometry, plane trigonometry.

152-153 ANALYSIS. 3 credits each semester. Miss Yap.
A brief course in analytic geometry, differentiation, integration, and applications, intended to meet the needs of students of natural science. Prerequisites: two years of high school algebra, one year of plane geometry, one semester of plane trigonometry.

252-253 ADVANCED CALCULUS AND DIFFERENTIAL EQUATIONS. 3 credits each semester. Mr. Hoy.
Not offered in 1937-38.
Theory and applications of ordinary, total, and partial differential equations, Fourier and other series, hyperbolic functions. Prerequisite: Math. 106. (In alternate years).

254-255 APPLICATIONS OF HIGHER MATHEMATICS IN ENGINEERING AND PHYSICAL SCIENCE. Not more than 3 credits each semester. Mr. Hoy.
Study of elliptic integrals and application in harmonic motion, solution of equations, determinants and matrices, infinite series, partial differentiation, Fourier series, multiple integrals, line integrals, improper integrals, differential equations, vector analysis, probability, empirical formulas and curve fitting, conformal representation, and hyperbolic functions and use in bridge design. Prerequisite: Math. 106. (In alternate years; offered 1937-38).

260 TEACHING OF ELEMENTARY MATHEMATICS. 2 credits first semester. Miss Yap.
A study of the principles of arithmetic, algebra, geometry, and trigonometry with reference to methods of teaching. Prerequisites: high school algebra and geometry. (In alternate years; offered 1937-38).

272-273 HISTORY OF MATHEMATICS. 3 credits each semester. Miss Yap.
Not offered in 1937-38.
A general survey of the growth of elementary mathematics by chronological periods with special attention to racial achievements. Prerequisites: algebra, plane geometry, trigonometry. (In alternate years).
Courses of Instruction

275 Theory of Equations. 3 credits second semester. Miss Yap.
Graphing of functions. Solution of higher order equations by the various methods. Prerequisite: Math 149 or 150-151. (In alternate years; offered 1937-38).

280 Elementary Statistics. 3 credits first semester. Mr. Hoy.
Organization of tables, construction of bar, broken line, and curvilinear graphs, analysis of frequency distributions, cumulative frequency, normal law, time series, trend and ratio charts, and simple correlation. Prerequisites: Knowledge of elementary algebra, geometry, and logarithms. (In alternate years; offered 1937-38).

281 Advanced Statistics. 3 credits second semester. Mr. Hoy.
Study of regression lines, interpretation of coefficient of correlation, correlation of non-measurable characters, probability, point binomial, frequency curves and fitting them to experimental data, graduating data to theoretical curves, sampling, further topics in correlation, multiple and partial correlation, and finite differences. Prerequisite: Math 280. (In alternate years; offered 1937-38).

When there is sufficient demand the following courses will also be offered:

156 Navigation
256 Infinite Series
282 Theory of Probability
283 Mathematical Theory of Finance
292 Elementary Group Theory
300 Mathematical Research
302 Fundamental Concepts of Mathematics
304 Theory of Functions of Real and Complex Variables

Military Science and Tactics

Basic Course, R. O. T. C.

Infantry

Required of all physically fit male students who are American citizens entering as Freshmen and Sophomores, including Special and Unclassified Students, with not more than 64 credits, carrying more than 9 credits. Optional for students who enter the Junior classes from other colleges.

R. O. T. C. 1 Freshmen, First Semester (1).
Practical and theoretical instruction in military fundamentals, leadership and rifle marksmanship. Theoretical instruction 1 hour, practical instruction 2 hours.

R. O. T. C. 2 Freshmen, Second Semester (1).
Practical and theoretical instruction in military fundamentals, leadership, and map reading. Prerequisite: R. O. T. C. 1. Theoretical instruction 1 hour, practical instruction 2 hours.

R. O. T. C. 3 Sophomore, First Semester (2).
Practical and theoretical instruction in leadership, military history, characteristics of weapons, scouting and patrolling. Prerequisite: R. O. T. C. 2. Theoretical instruction 1 hour, practical instruction 2 hours.

R. O. T. C. 4 Sophomore, Second Semester (2).
Practical and theoretical instruction in leadership, military history, functions of platoon scouts, musketry, combat principles. Prerequisite: R. O. T. C. 1, 2, 3. Theoretical instruction 1 hour, practical instruction 2 hours.
The following group of five courses is elective, by students of the Junior year of all schools, selected by the university. These courses lead to a commission as Second Lieutenant, Officers' Reserve Corps, Infantry Section, Army of the United States.

MILITARY SCIENCE AND TACTICS

R. O. T. C. 5 (3).
Leadership, characteristics and technique of the pistol, machine gun and howitzer company weapons; aerial photograph reading, estimate of the situation and orders, marches; development for the offensive and defensive; organization of the ground; employment of the rifle platoon, machine gun platoon and howitzer company squad in attack, defense and security. Prerequisite: R. O. T. C. 1, 2, 3, 4. Theoretical instruction 3 hours, practical 2 hours.

R. O. T. C. 6 (3).
Leadership; pistol firing; review of rifle marksmanship; estimate of the situation and order; marches, development for the offensive and the defensive; organization of the ground; employment of the rifle platoon, machine gun platoon and howitzer company platoon in attack, defense and security. Prerequisite: R. O. T. C. 5. Theoretical instruction 3 hours, practical 2 hours.

R. O. T. C. 7 (2).
R. O. T. C. summer camp. Practical instruction in the field as a leader, including physical training, rifle marksmanship, pistol, automatic rifle, machine gun, howitzer company weapons, practice marches, shelter and administration, including sanitation, messing and supply. Period six weeks; usually follows the Junior year.

R. O. T. C. 8 (3).
Instruction in the duties of a company commander and staff officer in leadership and employment of the rifle, machine gun, cannon and headquarters companies; administration, including military law and the procurement of and accounting for military property. Prerequisite: R. O. T. C. 5, 6. Theoretical instruction 3 hours, practical 2 hours.

R. O. T. C. 9 (3).
Instruction in the duties of a leader in signal communications, combat intelligence, anti-aircraft defense, defense against chemical warfare, tanks and mechanized forces; duties of company commander and staff officer in field engineering; military history and policy of the United States. Prerequisite: R. O. T. C. 5, 6, 8. Theoretical instruction 3 hours, practical 2 hours.

R. O. T. C. BAND

Male students, who are interested in music, may register and join the University Band. Attendance required; Full practice 4 hours weekly; individual instruction as necessary. Credits, 2 for those not members of the R. O. T. C.; 1 for first year members of the R. O. T. C. and 2 for second year members.

MUSIC

120 SIGHT READING AND CHORAL SINGING. 1 credit each semester. Mr. Hart.
A course of training in sight reading and the elements of music; choral singing. Two meetings a week.

130 STUDENT SYMPHONY ORCHESTRA. 2 credits each semester. Mr. Hart.
A symphony orchestra directed by Fritz Hart; admission to course by permission of director. Class meets for two hours twice a week.
210 MUSICAL FORM AND ANALYSIS. 1 credit each semester. Mr. Hart.
In these lectures attention is given to the special structure of music. Works of
great composers will be analyzed to exemplify the evolution of the art from the folk
song to the symphony.

ORIENTAL STUDIES

For allied courses, see History 220, 225, 226, 229, 250, 251, 277, 315; also see
Philosophy 260-261, 270-271, 321; Political Science 266, 301; Psychology 252; Sociology
256, 267, 350-351; Anthropology 254; Economics 250; English 214.

Chinese Language, Literature, and History

100 FIRST YEAR CHINESE. 3 credits each semester. Mr. Chen.
Study of 250 foundation characters each semester. Reading and construction of
characters and sentences, dictation, simple conversation, and translation.

100B BEGINNERS’ COURSE FOR OCCIDENTAL STUDENTS. 3 credits
each semester. Mr. Chen.
Same as O. S. 100. (Note: Since the methods and technique of teaching the
Chinese language to Occidental students are necessarily different from those in
presenting the subject to Oriental students, a separate division of Beginners’ Chinese
is offered for Occidental students.)

101 SECOND YEAR CHINESE. 3 credits each semester. Mr. Chen.
Continues the study of 250 more foundation characters and idioms each semester.
Reading, construction of characters and sentences, dictation, conversation, transla­
tion, and composition.

101B INTERMEDIATE COURSE FOR OCCIDENTAL STUDENTS. 3 credits
each semester. Mr. Chen.
Same as O. S. 101.

200 THIRD YEAR CHINESE. 3 credits each semester. Mr. Chen.
Continues the study of foundation characters and idioms. Reading of short stories,
poems, and newspaper articles. Letter writing, composition, and translation.

200B ADVANCED COURSE FOR OCCIDENTAL STUDENTS. 3 credits
each semester. Mr. Chen.
Same as O. S. 200.

221 CHINESE LITERATURE. 2 credits each semester. Mr. Lee.
Study of some of the classical and modern masterpieces of prose and poetry. This
course is especially prepared for those who have finished O. S. 200 and other qualified
students.

241 HISTORY OF ORIENTAL RELIGIONS. 2 credits each semester.
Mr. Lee.
A study of the religious movements in the Orient, both ancient and modern.
Lectures on Confucianism, Taoism, Buddhism, Shinto, Folk Cults, and Christian
Missions in China and Japan.

250-251 CHINESE LITERATURE IN ENGLISH. 2 credits each semes­
ter. Mr. Lee.
Study of some of the classical and modern masterpieces of Chinese literature in
English translation. Lectures and discussions on the development of Chinese litera­ture.
254-255 Chinese Philosophy and Art. 2 credits each semester. Mr. Lee.

A general survey of the development of Chinese philosophy and art. The first semester will deal with the philosophy of the various schools of thought with special emphasis upon the philosophy of Naturalism and Neo-Confucianism. During the second semester a study will be made of the development of industrial and fine arts and art symbols with special emphasis upon the pictorial art and its relationship with the philosophy of life.

263 Chinese Aesthetics. 3 credits second semester. Mr. Chan.

Not offered in 1937-38.
Confucian, Taoist, and Buddhist conceptions of beauty; Chinese artists' ideas of nature, space, time, etc.; the Chang Yang, Yin Yang, and Ch'en in Chinese art; basic ideals in Chinese painting, poetry, drama, and music; relation of Chinese art to Chinese religions and ethics.

281 Confucian Philosophy. 3 credits first semester. Mr. Chan.
The ethical, social, political, religious, educational and metaphysical philosophies of Confucius, Mencius, Chu Hsi, etc.; their influence on various phases of Chinese culture; their position in modern China and Japan.

282 Taoist Philosophy. 3 credits second semester. Mr. Chan.

Not offered in 1937-38.
The naturalistic philosophy of Taoism and the humanistic philosophy of Confucianism are the two main currents that run through the entire history and culture of China. This course includes a critical study of the metaphysical, moral, political, religious, and artistic theories of the naturalistic school and its influence on modern life.

283 Buddhist Philosophy. 3 credits first semester. Mr. Chan.

300 Seminar in Chinese Historical Literature. Hours and credits will be arranged for each individual student. Mr. Lee.
Open only by permission of the instructor to Graduate and Special students.

Japanese Language, Literature, and History

102 First Year Japanese. 3 credits each semester. Mr. Uyehara.

102B First Year Colloquial Japanese for Occidental Students. 3 credits each semester. Mr. Uyehara.

Pronunciation and conversation, using the Romanized spelling. The use of simple words and idiomatic phrases in every day conversation. Reading and translation of Romanized readers and magazines.

103 Second Year Japanese. 3 credits each semester. Mr. Uyehara.


103B Second Year Colloquial Japanese for Occidental Students. 3 credits each semester. Mr. Uyehara.


202 Third Year Japanese. 3 credits each semester. Mr. Kunitomo.

Courses of Instruction

223 Japanese Literature. 2 credits each semester. Mr. Kunitomo.

Reading of representative works in Japanese literature, with special emphasis on thought trends and beliefs. Essays, lectures, and discussions. The course is conducted in Japanese.

240 Japanese Literature in English. 2 credits each semester. Mr. Kunitomo.


301 Seminar in Japanese Historical Literature. Credits and hours arranged. Mr. Kunitomo.

A course for Graduate students to do research work in Japanese history and literature.

400 Thesis Research. Credits to be arranged. Oriental Institute Staff.

Graduate students engaged in the preparation of a Master's thesis in Oriental Studies will register for this course.

Indian Civilization

271 Indian Culture and Civilization. 2 credits one semester. Mr. Nag.

A survey of certain distinctive characteristics of the people of India; their intellectual habits and emotions, as expressed in society, philosophy, literature, politics, religions.

Philosophy

150-151 History of Philosophy (Introductory Course). 3 credits each semester. Mr. Moore.

A study of Western Philosophy from the time of the great Greek thinkers, through the Mediaeval period, down to modern times. First term devoted to study of Greek and Mediaeval periods; second to Modern Philosophy. This is the basic course in Philosophy. Prerequisite: Sophomore standing.

252-253 Problems of Philosophy. 3 credits each semester. Mr. Moore.

Not offered in 1937-38.

An examination of the great and persistent problems of Philosophy, with special reference to contemporary discussion of those problems. Designed as a second course in Philosophy. Open to those who have had one course in Philosophy (preferably 150-151) and to those who obtain permission of the instructor. (In alternate years).

260-261 Idealism as a Philosophy. 2 credits each semester. Mr. Moore.

A study of the essential principles and forms of Idealism, including a study of the reasons for adopting the idealistic attitude. The work will consist largely of reading of the works of Plato and will include much discussion of present-day problems suggested in these Dialogues and the attitude of Idealism towards these problems. The course is also intended as an intensive and extensive study of the Philosophy of Plato. A full year course, possibly of Seminar type. (In alternate years; to be offered in 1937-38).

270-271 Eastern Philosophies. 2 credits each semester. Mr. Chan.

An examination of the basic philosophical movements which have arisen within Eastern cultures. First term devoted to Philosophy of India and Persia; second term to Philosophy of China and Japan.
280 LOGIC AND SCIENTIFIC METHOD. 3 credits first semester. Mr. Moore.
A study of the valid forms of reasoning together with a consideration of common fallacies; also an examination of the methods, difficulties, and validity of scientific reasoning. An introductory course with emphasis on the practical side of logic. Open to undergraduates and Graduate Students.

290 PHILOSOPHIES OF LIFE. 3 credits first semester. Mr. Moore.
A study of the several great philosophies of life and typical theories of the nature of the Good Life. Primarily concerned with the ethical views of the West but including also comparative consideration of Eastern philosophies of life. Advised as preliminary course to Philosophy 291.

291 PROBLEMS OF CONDUCT. 3 credits second semester. Mr. Moore.
Consideration of the more important practical problems of individual and social life. Among the subjects to be studied are: Social and economic justice; Political ethics; Crime and punishment (and capital punishment); Conscience; Happiness; Patriotism; Sex life and the family; etc. Philosophy 290 is a good preparation but not a requirement for this course.

310 SEMINAR IN LOGIC. Open to Graduate Students only. Hours and credits to be arranged. Mr. Moore.

321 SEMINAR IN COMPARATIVE PHILOSOPHY. Hours and credits to be arranged. Mr. Moore and Mr. Chan.
A comparative study of Eastern and Western Philosophy generally and also with reference to specific great systems of East and West. Open to Seniors and Graduate Students. Prerequisites: Philosophy 150-151 and Philosophy 270-271.

Suggested Courses in Other Departments
Confucian Philosophy (Oriental Studies 281).
Taoist Philosophy (Oriental Studies 282). Mr. Chan.
Buddhist Philosophy (Oriental Studies 283).
Political Science 310 (Seminar in History of Political Theory) Mr. George.
Religion 259 (Ethics and Religion). Mr. Homan.
Oriental Studies 263 (Chinese Philosophy of Art). Mr. Chan.
Religion 265 (Philosophy of Religion). Mr. Homan.

PHYSICAL AND HEALTH EDUCATION
All men and women under 25 years of age, who are registered for 10 or more semester hours of work are required to take a minimum of 1 credit hour a week of physical education during the Freshman and Sophomore years. Attendance and the successful completion of this work is required for graduation. For Juniors and Seniors physical education is optional.
A medical and physical examination is given to every new student and others who may require it at the beginning of the University year, and those who require it may be given special corrective work instead of the regular class work in physical education.
Courses of Instruction

Courses of Study

100 FRESHMAN COURSE (Men). 1 credit each semester. Mr. Klum, Mr. Gill, and Mr. Searle.
Required of all first year men. Three hours of supervised exercise a week.

101 FRESHMAN COURSE (Women). 1 credit each semester. Miss Gay and Mrs. Waterman.
Required of all first year women. Three hours of supervised exercise a week.

102 SOPHOMORE COURSE (Men). 1 credit each semester. Mr. Klum, Mr. Gill, and Mr. Searle.
Required of all second year men. Three hours a week of supervised exercise.

103 SOPHOMORE COURSE (Women). 1 credit each semester. Miss Gay and Mrs. Waterman.
Required of all second year women. Three hours supervised exercise.

105 SWIMMING (Women). 1 credit each semester. Miss Gay.
A. Beginners' section.
Freshmen and Sophomore women who are unable to swim, are required to register for this course in place of P. E. 101 or P. E. 103. Three hours a week.
B. Advanced section.
Open to all students. Three hours a week.

200 JUNIOR COURSE (Men). 1 credit each semester. Mr. Klum, Mr. Gill, and Mr. Searle.
Optional to all third year men. Three hours supervised exercise.

201 JUNIOR COURSE (Women). 1 credit each semester. Miss Gay and Mrs. Waterman.
Optional to all third year women. Three hours of supervised exercise.

202 SENIOR COURSE (Men). 1 credit each semester. Mr. Klum, Mr. Gill, and Mr. Searle.
Optional to all fourth year men. Three hours of supervised exercise.

203 SENIOR COURSE (Women). 1 credit each semester. Miss Gay and Mrs. Waterman.
Optional to all fourth year women. Three hours of supervised exercise.

220-221 PHYSICAL AND HEALTH EDUCATION. 1 credit each semester. Mrs. Waterman.
A study and practice of what constitutes a proper physical education and health program for children in elementary schools. Two hours a week.

262 INTRAMURAL ATHLETICS. 2 credits first semester. Mr. Gill.
A course in organization, administration and the coaching of intramural athletics for boys in intermediate and secondary schools.

270 WOMEN'S ATHLETICS. 2 credits first semester. Miss Gay.
Not offered in 1937-38.
This course deals with the theory and practice in coaching of team games, including basketball, volleyball, baseball, tennis and swimming. Registration contingent upon the consent of the instructor.
Students taking laboratory work in the Department of Physics are charged, uniformly, fees of $4 per laboratory credit hour.

102 **GENERAL PHYSICS.** 4 credits each semester. Mr. Ballard and Mr. Miyake.

Prerequisites: Mathematics 149, 151 or the equivalent. Two lecture-recitation periods, one two-hour problem working period and one laboratory period a week throughout the year. This course is regularly taken by pre-medical students, agriculture and sugar technology majors.

150 **MECHANICS AND PROPERTIES OF MATTER.** 4 credits first semester. Mr. Eller.

Parallel course: Mathematics 106. Three lecture-recitation periods and one laboratory period weekly. This is a required course for Sophomore students in Engineering.

151 **HEAT AND LIGHT.** 4 credits second semester. Mr. Eller.

Parallel course: Mathematics 106. Three lecture-recitation periods and one laboratory period weekly. This is a required course for Sophomore students in Engineering.

153 **ELEMENTARY RADIO.** 3 credits first semester. Mr. Miyake.

Prerequisite: high school physics or the equivalent. This course deals with the fundamentals of radio. It is planned to familiarize the student with the elementary theory, design and construction of radio receiving sets and audio amplifiers. Two lecture periods and one laboratory period per week. Offered in the evening.

155 **ELECTRICAL INSTRUMENTS AND MACHINERY.** 2 credits first semester. Mr. Eller.

A non-mathematical treatment of the principles of operation and construction of direct and alternating current instruments and machinery, and their use in electrical circuits. Lectures, demonstrations and discussion. Offered in the evening.

157 **RADIO.** 2 credits second semester. Mr. Miyake.

Prerequisite: Physics 153. This course is a continuation of Physics 153. It will deal with more advanced radio theory and practice, leading the student into the construction, design and repair of modern A.C. receiving sets and audio amplifiers. One lecture period and one laboratory period per week. Offered in the evening.

202 **ELECTRICAL ENGINEERING.** 3 credits each semester. Mr. Eller.

Prerequisite: Physics 250. Two lecture periods and one laboratory period a week throughout the year. This is a required course for Senior students in Engineering. The first semester work consists of the study of direct current circuits and machinery, the second semester being devoted to alternating current circuits and machinery.

250 **ELECTRICITY AND MAGNETISM.** 3 credits first semester. Mr. Eller.

Prerequisites: Physics 150 and Mathematics 106. Two lecture-recitation periods and one laboratory period weekly. This is a required course for Junior students in Engineering.

253 **ELECTRICAL MEASUREMENTS.** 3 credits second semester. Mr. Eller.

Prerequisites: Physics 250 and Mathematics 106. One lecture-recitation period and two laboratory periods weekly. This is a required course for Junior students in Engineering. The work comprises the study and measurement of the fundamental electric and magnetic quantities.

255 **LIGHT.** 3 credits first semester. Mr. Ballard.

Prerequisites: Physics 102 or the equivalent. Survey of geometrical and physical optics, and the development of the wave and quantum theories of light. Two lectures and one laboratory period per week.

257 **X-RAY.** 2 credits second semester. Mr. Ballard.

Prerequisite: Physics 102 or the equivalent. Historical development of the knowledge and theory of x-rays; modern x-ray equipment, technique, and applications; fundamentals underlying physiological treatment. Two lecture-discussion periods per week.
Courses of Instruction

268 International Relations of the Far East. 2 credits each semester. Mr. Bachman.
Not offered in 1937-38.
A survey of the foreign relations of the nations of the Far East.

270 Government of Hawaii. 2 credits second semester. Mr. Hunter.
Not offered in 1937-38.
Territorial, county, and municipal government with consideration of the question of statehood for Hawaii.

290 Modern Political Thought in Europe. 2 credits each semester. Mr. Mehnert.
A study of Fascism, National Socialism, Marxian Socialism, and Bolshevism; their practical application in some European states, and their influence on education, institutions and culture.

301 Seminar in Far Eastern International Relations. 2 credits each semester. Mr. Bachman.
Prerequisites: senior or graduate standing and at least 15 hours of Political Science including Political Science 200 or 268.

310 Seminar in the History of Political Theory. 2 credits each semester. Mr. George.
Open to qualified seniors and graduate students.

311 Seminar in the Classics of International Law. 2 credits second semester. Mr. George.
Prerequisite: Open only to graduate students who have taken Political Science 261 and 310.

400 Thesis Research. Credits to be arranged. Staff.
Graduate students engaged in the preparation of a Master's thesis in Political Science will register for this course.

Psychology

150 General Psychology. 3 credits first semester. Mr. Livesay.
An introductory course in psychology, offering a survey of the various aspects of human behavior. Although it is not a prerequisite, beginning students in psychology will find Zoology 150 of great benefit. Not open to first year students.

151 Applied Psychology. 3 credits second semester. Mr. Livesay.
The application of psychological principles to practical situations of life. Special attention given to the application in industrial, business, legal, and medical fields. Prerequisite: Psychology 150 or the equivalent.

200 Reading or Research. Credits to be arranged each semester. Staff.
Certain selected undergraduates may register in this course for special work on a research problem or intensive reading in some field of individual interest. Registration only by permission of staff member concerned.

252 Racial Psychology. 2 credits second semester. Mr. Porteous.
The nature and importance of racial differences as illustrated by a study of the psychology of a primitive race, and with special reference to racial research in Hawaii. Prerequisite: Psychology 150 or the equivalent.
259 **Child Psychology.** Miss Smith.
(Described in Teachers College courses.)

267 **Psychology and Treatment of Exceptional Children.** Miss Smith.
(Described in Teachers College courses.)

268 **Mental Hygiene.** Miss Smith.
(Described in Teachers College courses.)

280 **Social Psychology.** 2 credits first semester. Miss Babcock.
The psychology of human relations. A survey of the various psychological factors which operate to determine the behavior of an individual in his many social relationships. Prerequisite: Psychology 150 or the equivalent.

300 **Reading or Research.** Credit to be arranged either semester. Staff.
An opportunity is offered for qualified Graduate students to work on research problems or do intensive reading in some field of Psychology. Registration only by permission of the staff member concerned.

361 **Mental Deficiency and Abnormality.** Miss Smith.
(Described in Teachers College courses.)

371 **Experimental Child Study.** Miss Smith.
(Described in Teachers College courses.)

**RELIGION**

*All courses in religion taken in the Hawaii School of Religion* may be credited toward graduation from the University of Hawaii, with the approval of the student's dean. Students desiring credit for work done in the Hawaii School of Religion should register the courses which they intend to take on their University registration cards, which is considered a written request for credit for such courses.

The following suggestions are made for the help of students considering work in the school: The general orientation courses, 100 and 101, are planned to meet the needs of F. Students interested in religion as a field of study should, if possible, take the survey course, 150, during the Sophomore or the Junior year. The other courses are designed to afford the student opportunity for following out his interests in particular aspects of religion.

100 **Fundamental Problems.** 1 credit first semester. Mr. Homan.
In this course an attempt is made to consider the contribution of religion and morals to human happiness. Open to Freshmen and Sophomores only.

101 **Problems in Religious Thought and Practice.** 1 credit second semester. Mr. Homan.
A study of the present problems in religious thought and practice, with special attention to the religious interests and problems of the members of the class. Open to Freshmen and Sophomores only.

150 **Introduction to Religion.** 3 credits first semester. Mr. Homan.
A study of the meaning and nature of religion; brief historical backgrounds including comparative religion; an analysis of the educational, ethical, missionary, theological and worship functions of religion.

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

200 Old Testament Survey. 2 credits first semester. Mr. Mark.
A general survey of the Old Testament from a literary and philosophical viewpoint, with emphasis upon the practical values of the Old Testament for the life of today.

201 New Testament Survey. 2 credits second semester. Mr. Mark.
A general survey of the New Testament from a literary and philosophical viewpoint, with emphasis upon the practical values of the New Testament for the life of today.

210 Great Religious Personalities. 2 credits first semester. Mr. Homan.
A careful study of some of the notable men and women in the field of religion; a character analysis of the people studied; a study of the contribution of each person to the life of today. A lecture course supplemented by selected readings.

211 Great Religious Literature. 2 credits second semester. Mr. Homan.
A study of some of the great religious literature of various periods. Biography, drama, fiction, essays and poetry are to be considered.

250 Principles of Religious Education. 2 credits first semester. Mr. Homan.
A study of the historical background of present-day religious education; a careful consideration of principles of organization and administration; agencies of religious education; buildings and equipment; leadership training; and principles for the religious education of children, young people and adults.

251 Materials and Methods of Religious Education. 2 credits second semester. Mr. Homan.
A study of the materials and methods of religious education for worship, instruction, service and fellowship; an examination of modern educational principles and methods as they may be applied to religious education.

252 Life and Teachings of Jesus. 3 credits second semester. Mr. Homan.
A study of Roman and Jewish culture at the time of Jesus, an investigation of the gospel records, and a presentation of events and teachings of Jesus in accord with present scientific and philosophic standards.

254 Historical Development of the Bible. 2 credits first semester.
Not offered in 1937-38.
A survey course designed to acquaint the student with the facts which historical, archaeological and literary research have discovered regarding the origin and development of the Hebrew and Christian Scriptures. No credit for students receiving credit for English 213.

259 Ethics and Religion. 2 credits first semester. Mr. Homan.
This course is designed to give the student a basic knowledge of the principles of human conduct, an understanding of the salient ethical issues in modern life and a method of forming rational decisions concerning current personal and social problems. The relation of religion to ethics is investigated in the attempt to find the validity of religious ethics for modern life.

261 Psychology of Religion. 2 credits first semester. Mr. Dunstan.
This course seeks to analyze religion from the functional point of view. It does not concern itself primarily with any particular religion, but analyzes religious behavior so that the psychological aspects become more clear. It deals with evidences of religious conduct as found in everyday life, as well as with specific actions that always have had a religious name.
264 MODERN RELIGIOUS MOVEMENTS. 2 credits second semester. Mr. Dunstan.

In this course an attempt is made to understand and evaluate the various tendencies in the religions of the world and their relation to the social, economic and cultural forces at work in modern society. Lectures on the recent trends are supplemented by selected readings in current literature. Each student will select one type of religion for special study.

265 PHILOSOPHY OF RELIGION. 2 credits second semester. Mr. Homan.

This course considers the present issues in religious thought produced by the impact of science, philosophy, industrialism and internationalism. An attempt is made to examine, interpret and evaluate current religious thinking. Special attention is given to such concepts as God, prayer, conversion, the church and immortality.

270 EVIDENCES OF CHRISTIANITY. 2 credits first semester. Mr. Powers.

A brief survey of Christianity which includes the following topics: the existence of God and Revelation, the historical position of Christ in the Old and New Testaments, the Divinity of Jesus, and the Identification of His Church.

271 HISTORY OF CHRISTIANITY. 2 credits second semester. Mr. Powers.

This course is a continuation of Religion 270. A study of the writings of the Fathers of the Church, the development of Christian theology, the sacramental system of the Church and the various activities of the Church.

RUSSIAN

100 ELEMENTARY RUSSIAN. 3 credits each semester. Mr. Carr.


101 INTERMEDIATE RUSSIAN. 3 credits each semester. Mr. Carr.

Reading of selected shorter work of Pushkin, Gogo, Tolstoy, Dostoyevsky, Chekhov, and contemporary writers. Newspaper reading.

SOCIAL WORK TRAINING

200 INTRODUCTION TO SOCIAL WORK. 3 credits each semester. Miss Blackey.

The purpose of this course is to introduce the student to the basic philosophy of social work; to study the historical development and present trends in each of the specialized fields such as family care, children’s agencies and institutions, medical social work, the courts, the schools, and other community groups concerned with the care and treatment of individuals and families. There is an application of these general principles to the local situation, together with field trips to the various community institutions and agencies. Prerequisite: Senior standing.

300 THEORY OF SOCIAL CASE WORK. 3 credits each semester. Miss Blackey.

Not offered in 1937-38.

This course deals with the approach to social case work treatment. The emphasis is on the field of human relationships as reflected by such problems as physical hazards, mental disturbances, personality difficulties in adults and children, economic dependency, etc. Case material is discussed to illustrate the development of these problems, but in addition, the student is expected to participate in actual field practice in a local agency. Prerequisite: Consent of the instructor.
Courses of Instruction

302 Methods in Social Case Work. 3 credits each semester. Miss Blackey.

This is a continuation of course 300 and deals with the more specialized techniques of social case work practice, such as interviewing, case recording, and the client-worker relationship. Through case discussions and his field training, the student should acquire a skill in the treatment of individual and family problems. Prerequisite: course 300 or consent of the instructor.

350 Public Welfare Administration. 3 credits first semester. Miss Blackey.

This course covers the field of governmental participation in social work through such legislation as the social security measures. It includes also the development in the fields of public and private social work, together with the present day philosophy and trends; the organization and operation of a public department of social welfare and its interpretation to the community. Since the Territorial development in this field is just beginning, there will be considerable opportunity for a discussion of local problems. Prerequisite: Consent of the instructor.

360 Personality Problems of Children. 3 credits first semester. Miss Blackey.

The material in this course is arranged primarily for those who are working with children's problems. It is concerned with the development of the child's personality through a recognition of the factors influencing it, namely his home, his school, and his neighborhood. Considerable time will be given to a discussion of mental hygiene principles as applied to the understanding of the child and the treatment of problems which interfere with his social adjustment. Prerequisite: Consent of the instructor.

SPANISH

100 Elementary Course. 3 credits each semester. Mr. Aguiar.

Conversation and dictation. Both Castilian and Latin-American pronunciation taught.

101 Modern Spanish Literature. 3 credits each semester. Mr. Aguiar.


102 Phonetics. 1 credit each semester. Mr. Aguiar.

An elementary course in the study of general phonetics. Reading and writing exercises dealing with correct Spanish pronunciation. Prerequisite: one year of college Spanish or equivalent.

250 Spanish Classics. 2 credits first semester. Mr. Pecker.

Not offered in 1937-38.

Works of Cervantes, Lope de Vega, Tirso de Molina, Calderón de la Barca, etc. The picaresque novel, "Lazarillo de Tormes." Lectures upon the history of Spanish Literature. Composition and conversation. Prerequisite: two years of college Spanish or equivalent.

251 Advanced Spanish Seminar. 2 credits second semester. Mr. Pecker.

Not offered in 1937-38.

Rapid reading of modern Spanish novels, plays and current periodicals. Lectures and discussions. Individual research and reports on assigned topics. Prerequisite: Spanish 250.

252 Modern Spanish Novel. 2 credits first semester. Mr. Aguiar.

Rapid reading course with advanced work in composition and conversation. Review of grammar. Prerequisite: same as for Spanish 250.
253 MODERN SPANISH DRAMA. 2 credits second semester. Mr. Aguiar.
Rapid reading of modern Spanish plays, with continued work in composition, dictation and conversation. Prerequisite: Spanish 252.

SUGAR TECHNOLOGY

In addition to the courses outlined below there are other Sugar Technology courses listed in the Chemistry and Agriculture Departments.

201 SUGAR ANALYSIS. 3 credits each semester. Mr. Dillingham.
Laboratory and lecture course intended to fit the student for the position of chemist in a sugar-house laboratory, or to give him a good working knowledge of chemistry as applied to the manufacture of raw and refined sugar. Among the topics taken up are the theory and construction of the polariscope and the refractometer, the calibration and testing of laboratory apparatus, general laboratory routine, the fitting out of a sugar laboratory, and the methods of sampling and of analysis of the various products met with in a cane sugar factory.
In order to take this course, the student must have a working knowledge of general chemistry and laboratory manipulations. Prerequisites or parallel: Chemistry 101 or 102, 150 and 151 or 230. Required of Juniors in Sugar Technology. One lecture and two laboratory periods a week. Laboratory fee $7 a semester.

250 SUGAR-HOUSE CALCULATIONS. 1 credit first semester. Mr. Dillingham.
A lecture and recitation period in which instruction is given in sugar-house calculations, in working out problems involving the yield and losses ordinarily encountered in actual factory work, and in making out typical laboratory reports such as are required by plantations in the Hawaiian Islands. Prerequisite: S. T. 201 and 253. Seniors in Sugar Technology.

252 SUGAR MANUFACTURE. 3 credits first semester. Mr. McAllep.
A series of lectures and recitations on the manufacture of sugar, taking up in detail a discussion of the various types of machinery and apparatus employed in the best modern factories and the principles involved in their use, embodying such topics as multiple milling, the effect of various types of roller grooving, pressure and maceration on extraction, clarification of juices, multiple effect evaporation, the economical use of steam, sugar boiling, crystallization in motion, and the curing, drying, and preparation of sugars for the market. Though this is primarily a course for cane sugar men, a brief description of the methods employed in beet sugar manufacture and refinery practice is also given, together with a discussion of the various processes for making white sugar direct from the cane. Required of Seniors in Sugar Technology. Prerequisite or parallel: S. T. 201. Three hours a week classroom.

253 SUMMER PRACTICE. 6 credits. Mr. Dillingham.
During the summer vacation between the Junior and Senior years, students in Sugar Technology will be required to spend at least four weeks in practical field or mill work. Those taking field work become student assistants in the Experiment Station of the Hawaiian Sugar Planters' Association. Those taking factory work enter one of the mills, where they are under the direction of the manager and work at various stations under regular factory conditions. Academic credit for this will be granted on the presentation of a satisfactory report in duplicate. Prerequisite: S. T. 201.

255 FIELD PRACTICE. 16 credits. Mr. Dillingham.
During the second semester of the Senior year in the Agricultural Division the student does his work in the capacity of a student assistant in the Experiment Station of the Hawaiian Sugar Planters' Association. Those taking factory work enter one of the mills, where they are under the direction of the manager and work at various stations under regular factory conditions. Academic credit for this will be granted on the presentation of a satisfactory report in duplicate. Prerequisite: S. T. 201.

256 HEAT IN THE SUGAR FACTORY. 3 credits second semester.
Mr. McAllep.
Calculations and lectures on quantitative heat relations in the cane factory, including calculations of the heat available in the bagasse, the heat utilized for developing power and for boiling house operations, and the influence of variables, on the heat balance in the factory. Required of Juniors in Sugar Technology. Prerequisite or parallel: S. T. 201.
257 Factory Practice. 16 credits. Mr. Dillingham.

Seniors in the Chemistry Division may spend the second semester of the Senior year as apprentices in the factory of one of the plantations. They are under the regular discipline of the factory and are given different stations in the mill, boiler-house and laboratory so that they may become familiar with the various pieces of equipment and their operation. A written report in duplicate covering the layout of the mill and its operation must be submitted at the close of the work. In order to be admitted to this course previous enrollment for at least one year in the University of Hawaii is necessary.

Survey Courses

100 A Survey of the Natural Sciences. 3 credits each semester. Mr. Palmer.

This course is planned to survey a number of phases of science, and to give the student a broad view of the world we live in. Attention will be drawn not only to what is known, but also to the processes by which that knowledge has developed. The subject matter will be drawn from the fields of anthropology, astronomy, botany, chemistry, climatology, geography, geology, paleontology, physics, and zoology. The course is planned primarily for freshmen in (a) the Social Science, and (b) the Language, Literature, and Art groups of the College of Arts and Sciences, and (c) Students of Teachers College. Students may be admitted at the beginning of the second semester only by permission of the instructor. Library fee, $1 a semester. Three lectures a week.

251 History of Science. 2 credits second semester. Mr. St. John.

A survey of the discoveries in the physical and biological sciences and their development from ancient to modern times. Readings and reports. Prerequisites: Junior standing and two semesters of biological or physical science, one of which must include laboratory work. Library fee $2. Two lectures a week.

Zoology

The courses in Zoology are intended to meet the needs of the general student, the prospective teacher, those preparing for the study of medicine, and the graduate student.

A biological laboratory at Waikiki provides an excellent opportunity for the pursueance of marine biological studies by the undergraduate or graduate student. Special investigators will be offered every possible facility for research.

Undergraduate students majoring in Entomology are required to take the following courses: Zool. 150, 151, 170, 173, 260, 261, 291 and Agr. 254. Those contemplating continuing either in the Graduate School of Tropical Agriculture or in the Graduate Division in the field of Entomology will be required to have the above courses in addition to 8 credits in Chemistry, 8 credits in Physics and 6 credits in Botany or their equivalents before they will be admitted to candidacy for advanced degrees.

150 General Zoology. 4 credits first semester. Mr. Edmondson, Mr. Miller and Staff.

An introductory course covering in a general way the field of animal life. Biological principles are presented and a study of the structure, development, relationship, distribution, and economic importance of animals is made. Required of pre-medical students. Two lectures and two laboratory periods a week. Laboratory fee $5.

151 Comparative Anatomy of Vertebrates. 4 credits second semester. Mr. Miller and Staff.

A continuation of Course 150, including a comparative study of the systems of organs of typical vertebrates. Structural relationships of the various groups are emphasized and the progressive development from the lower to higher forms pointed out. Prerequisite: Zoology 150. Required of pre-medical students. Two lectures and two laboratory periods a week. Laboratory fee $5.

160-161 Mammalian Anatomy. 2 credits each semester. Mr. Ostergaard.

A laboratory course primarily for pre-medical students involving the careful dissection of a typical mammal. Prerequisites: Zoology 150 and 151. Two laboratory periods a week. Laboratory fee $6 a semester.
170 **GENERAL ENTOMOLOGY.** 3 credits first semester. **Staff.**

An introductory course in the study of insects, involving studies on structure, habits, biology and classification. Emphasis is placed on those insects characteristic of Hawaii. It is the course for those expecting to take further work in Entomology or planning to teach the natural sciences. Prerequisites: Biology 135 or Zoology 150 or Botany 101. Two lectures and one laboratory period a week. Laboratory fee $2.

173 **AGRICULTURAL ENTOMOLOGY.** 3 credits second semester. **Staff.**

This course is primarily for students interested in General Agriculture, Sugar Technology and in teaching Agriculture. All the important insects concerned with agricultural crops are studied by lecture, demonstration and reference work. The student is acquainted with sources of current information and those organizations concerned with the investigations of these insects. Prerequisites the same as for Zoology 170. Two lectures and one laboratory period a week. Laboratory fee $2.

174 **INSECTS AFFECTING THE HEALTH OF MAN AND DOMESTIC ANIMALS.** 2 credits first semester. **Staff.**

A course involving those insects which are directly injurious to or act as vectors of disease of animals. Studies are made of the role of sanitation in the regulation of these insects. Emphasis is placed on their habits, distribution and control measures. Prerequisites the same as for Zoology 170. Two lectures a week.

180-181 **ANIMAL ECOLOGY.** 3 credits each semester. **Mr. Edmondson.**

A course in which the relation of organisms to their environment is emphasized. Prerequisites: Zoology 150 and 151 or Biology 135 or Botany 101. Two lectures a week and one period to be arranged for laboratory, field or library work. Lectures given in Dean Hall, laboratory work at the Marine Biological Laboratory, Waikiki. Laboratory fee $2 per semester.

210 **ZOOLOGICAL SEMINAR.** 1 credit each semester. **Staff.**

Presentation of seminar reports, reports upon research, or reviews of current zoological literature. Recommended for Juniors, Seniors and Graduates; may be taken repeatedly. One recitation hour a week.

251 **CELLULAR BIOLOGY.** 2 credits second semester. **Mr. Hamre.**

A seminar course for the study of the cell and its inclusions as a protoplasmic unit. Special reference will be made to the development of the germ cell and the recent methods of experimentation. Prerequisites: Zoology 150, 151, and 260. Open to Junior and Senior students.

254 **INSECT MORPHOLOGY.** 2 credits first semester. **Staff.**

Comparative and gross morphology of insects with special attention to structures emphasized in economic and systematic entomology, and to the development, reproduction, and homologies of the various groups of insects. Prerequisite: Zoology 170. Two laboratory periods a week. Laboratory fee $2.

255 **SYSTEMATIC ENTOMOLOGY.** 2 credits second semester. **Staff.**

History, nomenclature, classification, and taxonomic practice. Students may select a particular group and make a private collection. Prerequisite: Zoology 254. Two laboratory periods a week. Laboratory fee $2.

257 **PLANT QUARANTINE AND INSPECTION.** 3 credits second semester. **Mr. Fullaway.**

This course is offered in cooperation with the staff of Entomologists of the Territorial Board of Agriculture and Forestry. Students are placed under the supervision of the Plant Quarantine Service and receive practical experience in plant inspection.
They receive instruction in the laws and regulations, in ship and cargo inspection and in practical laboratory work. Prerequisites: Zoology 254 and 255. One lecture and two laboratory periods per week.

260 HISTOLOGY. 3 credits first semester. Mr. Hamre.
A laboratory and lecture course in the study of tissues, principles of histology and microscopic anatomy of organ systems of a limited number of vertebrate animals. Prerequisites: Zoology 150 and 151. Laboratory fee $5.

261 VERTEBRATE EMBRYOLOGY. 3 credits second semester. Mr. Hamre.
A laboratory and lecture course in which the principles of Embryology are illustrated by a detailed study of the development of the chick. Prerequisites: Zoology 150 and 151. Laboratory fee $5.

262 MICROTECHNIQUE. 2 credits first semester. Mr. Hamre.
A laboratory course involving the fixing, staining and mounting of animal tissues. Prerequisite: Zoology 260. Two laboratory periods a week. Laboratory fee $8.

270 SYSTEMATIC ZOOLOGY. Hours and credits to be arranged each semester. Mr. Edmondson.
A systematic survey of the invertebrate and vertebrate fauna of Hawaii (exclusive of insects) in which structure, phylogenetic relationships and distribution are emphasized. Attention may be concentrated on one or a few groups, if desirable. Prerequisites: Two years of zoological work. Laboratory fee $1 a credit hour.

285 EVOLUTION AND EUGENICS. 2 credits second semester. Mr. Miller.
A consideration of the doctrine of organic evolution, its historical and recent development, supporting evidence, theories, and applications. Human genetics and evolution and their social import. Two lectures a week. Prerequisite: Agriculture 254 or its equivalent.

290 GENERAL ANATOMY. 3 credits first semester. Mr. Ostergaard.
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.

291 PHYSIOLOGY. 3 credits second semester. Mr. Edmondson.
A course in physiology for the general student as well as those preparing for medicine. The functions characteristic of the various systems of organs of the human body are considered in detail. Not open to Freshmen or Sophomores. Three lectures a week.

300 RESEARCH. Hours and credits to be arranged. Staff.
Students with sufficient preparation are encouraged to undertake the investigation of special zoological problems with reference to land, fresh water, or marine animals. Laboratory fee not less than $5 a semester.

301 PRINCIPLES OF APPLIED ENTOMOLOGY. 3 credits each semester. Hours to be arranged. Staff.
A survey of problems in economic entomology from the standpoint of history as well as recent advances. This course will be given in collaboration with members of the Graduate School of Tropical Agriculture and others. Prerequisites: Zoology 254-255 or consent of instructor. Three lectures per week.

400 THESIS RESEARCH. Credits to be arranged. Staff.
Students engaged in the preparation of the Master's thesis will register for this course.
TEACHERS COLLEGE

(Certain required and elective courses are not included among the following descriptions as they are offered by other colleges and departments. Descriptions of these courses will be found elsewhere in this bulletin.)

Because of the professional nature of the Teachers College courses, registration is restricted to Teachers College students except in cases where the student in another college secures permission of his Dean and the Dean of Teachers College.

ARITHMETIC

150 THE TEACHER'S FINANCIAL PROBLEMS. 1 credit each semester. Miss Smith.
A course designed to give the prospective teacher a background of information on such subjects as the handling of a personal checking account, simple accounting and budgeting, the Territorial Employees' Retirement System, etc., along with increased skill in the arithmetic involved. Attention is given to investment of savings.

ART

261 APPLIED ART FOR THE PRIMARY YEARS. 2 credits second semester. Mrs. Fisher.
This course is intended to provide working knowledge of the various common tools and materials and of the processes in which they are employed. Emphasis upon work of the primary years. Two two-hour periods a week.

262 APPLIED ART FOR THE UPPER ELEMENTARY YEARS. 2 credits first semester. Mrs. Fisher.
A course similar to the one above, with emphasis upon work of upper elementary years.

263 APPLIED ART FOR THE SECONDARY SCHOOL YEARS. 2 credits each semester. Mrs. Fisher.
A course designed to provide the secondary school teacher with the techniques of art instruction in the secondary school program. Attention is given to tools, materials and processes of crafts.

BIOLOGY

135 BIOLOGY. 2 credits each semester. Mrs. Brown.
An introductory course in biology, offering a general survey of the underlying principles of the plant and animal kingdoms. A study is made of the structures, relationships, distribution, and economic importance of selected types of plants and animals leading from the lower to the higher forms. Laboratory fee $1.

236 SCIENCE FOR THE ELEMENTARY SCHOOL. 2 credits either semester. Mrs. Brown.
A course designed primarily to acquaint future teachers with suitable and available materials for use in elementary science in the grades. The work will center about the following: (1) observation of selected plant and animal forms; (2) availability, cost and importance of equipment; (3) care of plants, seedlings, glass and dish gardens, aquaria, etc. Prerequisite: Biology 135 or its equivalent. (Not open to students who have had Nature Study 136 or 160-161.) Laboratory fee $1.

240 BIOLOGY. 4 credits each semester. Mrs. Brown.
A general course in elementary biology designed especially for teachers in service, in which the fundamental biological principles underlying the plant and animal worlds will be stressed. The morphology, physiology, and ecology of selected type specimens leading from the lower to the higher forms, will be studied in the laboratory and field. Not open to students having had Biology 236, 250 or 251. Laboratory fee $1.
Courses of Instruction

DENTAL HYGIENE

200 TOOTH MORPHOLOGY. 1 credit each semester. Mrs. Bicker-pton.

The course provides an opportunity for each student to carve a full complement of models; of anterior and posterior teeth showing general form, cusps, planes and angles.

235 DENTAL OPERATIVE TECHNIQUE. 1 to 3 credits each semester. Mrs. Bickerton.

Instruction and practice work on manikin heads in the technic of instrumentation and polishing. The proper manipulation of instruments for the removal of accretion, deposits and stains, and the use of all instruments in the field of dental hygiene are mastered.

251 DENTAL ANATOMY. 3 credits second semester. Mr. V. Smith.

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. 1 credit second semester. Mr. Conner.

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

254 CLINICAL PRACTICE. 8 credits second semester. Mrs. Bicker-pton.

This course consists of 9 weeks of concentrated clinical prophylactic practice under supervision.

256 DENTAL CARIES. 2 credits first semester. Mr. Conner.

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. 1 credit first semester. Miss Dudley.

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. 1 credit first semester. Mr. Harwell.

The fundamentals of general pathology and its specific application to the diseases of the mouth. Mouth manifestations of communicable diseases. Alveolar abscess, fistulae, glandular involvement. Granulomas and systemic involvement—pyorrhea, gingivitis; diagnosis, causes and prognosis.

262 MATERIA MEDICA. 2 credits first semester. Mr. Phillips.

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 formulae of dentifrices and mouth washes.

264 MALOCCLUSION AND RADIOGRAPHY. 3 credits first semester. Mr. Hoey.

Etiology, individual mal-posed teeth and Angle’s classification are features of this course. The student is also made familiar with the X-ray machines, tubes, radiographs. Lantern slides, models, etc., are used for illustration.

290 FIELD PROBLEMS. 1 credit second semester. Miss Baukin.

A consideration of the varied types of problems met by the dental hygienist in field practice: problems of adjustment to schools, principals and teachers; community relationships, travel, living accommodations and professional ethics are typical.
EDUCATION

BASIC COURSES

100-101 ORIENTATION TO EDUCATION. 3 credits each semester. Mr. Tanner.

An introductory course intended to orient the student in both the personal and professional aspects of education. During the first semester attention will center on personal problems such as study habits, mental hygiene, etc., while in the second semester the various fields of education will be studied.

135 PARTICIPATION TEACHING. 1 credit each semester. Mr. White.

Students are assigned as assistants to classroom teachers in Kawanakaoa Experimental School and other schools for two hours a week. Designed to give the student experience that will aid him in selecting the type of work he will prepare for, and to provide illustrative experience to accompany Education 180-181.

180-181 INTRODUCTION TO EDUCATIONAL PSYCHOLOGY. 3 credits each semester. Mr. White.

An introductory study of human behavior, with special reference to its control and modification. The neural basis of behavior; the controls and modification of behavior; growth and maturation; individual differences; the nature and improvement of learning; and other allied topics will be considered.

ADVANCED COURSES

235 PARTICIPATION TEACHING. 1 credit each semester. Mr. Livesay and Mr. Bryan.

A continuation of Education 135. The course is designed for students in the third year of teacher preparation. The participation teaching is done in Kawanakaoa Experimental School, each student being assigned to the grades of his selected curriculum.

250-251 SECONDARY EDUCATION. 3 credits each semester. Mr. Livesay.

Principles fundamental to the organization, administration, curricula, and subject matter of the secondary school. The nature of the adolescent; the objectives of secondary education; junior and senior high school organization and relations; planning units of work; teaching techniques; and values of the various secondary school subjects are some of the major topics considered.

253 PRACTICE TEACHING IN HOME ECONOMICS. 8 credits either semester. Miss Bazore.

Practice teaching for qualified students is arranged in Honolulu secondary schools under the direct supervision of Home Economics teachers in the Department of Public Instruction. The course consists of a short observation period followed by the teaching of a Home Economics class 5 days a week with an additional one hour weekly conference period. This course is required of all students expecting to teach Home Economics and is open only to seniors and graduates. Prerequisite or parallel H. E. 251.

254 PRACTICE TEACHING. 8 credits either semester. Miss Caro.

Practice teaching in Teachers College Elementary and Intermediate School done under the supervision of staff members. The practice teaching consists of nine weeks of intensive full time teaching.

259 CHILD PSYCHOLOGY. 2 credits first semester. Miss Smith.

A study of the mental, emotional and social development of the child from infancy to adolescence in order better to know the interests and abilities to be expected of a child at different ages. Prerequisite: Psychology 150 or Education 180.

260 STATISTICAL METHOD. 2 credits first semester. Mr. White.

This course covers in a practical way the statistical and graphic methods of value to the classroom teacher and school administrator. Tabulation, graphical representation,
the calculation of measures of central tendency and dispersion and the calculation and interpretation of zero order correlations. May be elected by students in the other colleges.

261 Educational Measurements. 2 credits each semester. Miss Smith.
A study of the common errors in teachers' marks and ways of improving such marks; the use of standard educational and mental tests in school work with practice in scoring such tests and in interpreting the results; and the criteria by which to judge tests.

267 Psychology and Treatment of Exceptional Children. 2 credits second semester. Miss Smith.
The psychological and educational aspects of problems presented by various types of exceptional children are studied. Detailed consideration is given to the adjustments in curricula and methods desirable in work with such children. Prerequisite: Psychology 150 or Education 180.

268 Mental Hygiene. 2 credits either semester. Miss Smith.
A study of the factors that determine personality and the conditions requisite to the preservation of mental health and a happy social adjustment. Applications of mental hygiene to problems of family relationship and the reconstructing of personality and behavior problems are also considered.

270 Agricultural Project Work. 3 credits second semester. Mr. Armstrong.
A study of the project as an educational device in agriculture; selecting home projects; correlating project work with classroom instruction; making project plans; project records and accounts; project summaries and reports. Each student will be expected to spend considerable time in checking over records of successful projects.

271 Principles of Vocational Education. 3 credits second semester. Mr. Armstrong.
What vocational education is; the development of vocational education, with special reference to agriculture; organizations adapted to this type of work; organization for vocational education in Hawaii. Required of those preparing to teach vocational agriculture.

272 Teaching Agricultural Related Subjects. 3 credits first semester. Mr. Armstrong.
Methods of correlating academic subjects of the junior high school and of the upper grades in grammar schools with vocational agriculture as taught in Hawaii. Special attention will be given to working out courses in English, arithmetic, geography, and other subjects.

274 Methods of Teaching Vocational Agriculture. 3 credits first semester. Mr. Armstrong.
Designed for those preparing to teach vocational agriculture in Hawaii. The course covers such topics as long-time programs, annual plan of work, special methods of teaching vocational agriculture, agricultural projects, records, reports. Open only to Seniors or Graduate students.

275 Practice Teaching in Vocational Agriculture. 3 credits second semester. Mr. Armstrong.
Practice teaching in a department of vocational agriculture. Designed for students who are fairly familiar with Hawaii's major crops.

285-286 Elementary Education. 3 credits each semester. Mr. Bryan.
A study of the various aspects of elementary education, such as purpose, the curriculum unit, scope and organization of the curriculum, mental hygiene, character development, classroom organization, evaluation, and administration. The attempt is to identify the problems that exist in the form of controversial views and contrasting practices and to come to reasoned working conclusions regarding these issues. The approach to the study of elementary education is "organismic," as contrasted with a separate study of each phase. A whole and consistent view is sought.
291 Adult Education—Aims and Principles. 2 credits second semester. Mr. Scott.

A study of the movement, its significance for the times, and the problems of administration it raises. Considerable attention is given to the possibility of the development of a territory-wide program of adult education in Hawaii, and to agencies, such as the parent-teacher association, available for aiding the organization of the program. Open as an elective to Seniors and Graduate students.

293 Comparative Education. 2 credits either semester. Mr. Gordon.

A study of education in foreign countries. Consideration will be given to the present-day social situation of countries in Europe, the Orient, the Antipodes, and the Americas as a basis for educational practices, stressing comparisons with practices in the United States.

294 Educational Sociology. 2 credits either semester. Mr. Scott.

An examination of those factors and situations within the contemporary school and community which play a large part in influencing man's behavior, in order to discover the conditions within which a better education may develop.

295 History of Education in the United States. 2 credits either semester. Mr. Gordon.

A study of the evolution of American education; to prepare teachers in training and students of the science of education to use the historical method in interpreting current educational movements.

296 History of Education in Hawaii. 2 credits first semester. Mr. Wist.

Education in primitive Hawaii, under missionary control, under monarchical control; development of private educational institutions and of higher educational facilities.

297 Hawaiian Educational History in Modern Times. 2 credits second semester. Mr. Wist.

Beginning with the period of the Republic of Hawaii the historical events which have influenced education in Hawaii will be traced: Immigration, the Organic Act, Modern Legislation, Foreign Language Schools, Secondary Education, Federal Survey and the development of Higher Education will be topics stressed.

Graduate Courses

300 Reading or Research. 1 to 3 credits either semester. Staff.

An opportunity is offered for qualified Graduate students to work on research problems or do intensive reading in some field of education. Registration allowed only after consultation with the staff members concerned. Credits depend upon the nature of the work.

340 Philosophy of Education. 3 credits either semester. Mr. Bryan.

A re-examination of certain basic philosophical questions, the answers to which constitute the viewpoints which guide in the solution of problems of policy. Philosophy and science in education, the democratic social tradition, basic views of human behavior, the improvement of life, education as "reconstruction of experience," reconstruction of education. Required of all Fifth-Year students. Others register by permission of the instructor.

345 Seminar in Philosophy of Education. 2 credits each semester. Mr. Sayers.

Not offered in 1937-38.

Advanced study of controversial problems in education. Open to a limited number of graduate students who have made some study of philosophy of education. (Enrollment more than two semesters by permission of the instructor).
Courses of Instruction

350 History of Education. 3 credits either semester. Mr. Tanner.
A survey of the development of educational thought and practice from the time of the Greeks down to the present, with special attention to the origins of the influences responsible for the modern school systems. Required of all fifth year students. Others register by permission of the instructor.

354 Probationary Teaching. 14 credits either semester. Mr. Cook, Mr. White and Mr. Wist.
This course consists of full-time teaching under supervision in selected public schools. Required of all fifth year students.

361 Mental Deficiency and Abnormality. 2 credits first semester. Miss Smith.
Not offered in 1937-38.
A consideration of the causes and principal types of deficiency and abnormality. This course is designed to aid in recognizing subnormal and neurotic children, and in making the proper educational adjustments. Registration by permission of the instructor.

363 Educational Administration. 3 credits second semester. Mr. Wist.
Not offered in 1937-38.
This course is designed for both teachers and prospective administrators in elementary and secondary education. Organization and administrative control in a state or territorial system; centralization in administration; taxation for school support; the development of curricula; control and development of libraries and classroom reading materials; personnel relations within a system; classification of pupils; records and reports. Registration by permission of the instructor.

371 Experimental Child Study. 2 or 3 credits either semester. Miss Smith.
This course offers to qualified students an opportunity to do experimentation in the field of child psychology. Credits depend upon the amount of work done. Registration by permission of the instructor.

376 Seminar in Vocational Education. 2 credits either semester. Mr. Armstrong.
Individual study of special problems in vocational education. Open only to fifth year and graduate students.

380 Research and Thesis Writing. 2 credits first semester. Mr. Tanner.
This course is designed to assist graduate students in thesis preparation and deals principally with research techniques and thesis development. Registration by permission of the instructor.

390 School Organization and Management. 2 credits either semester. Mr. Wist.
A study of the organization of public education in Hawaii, and of the many routine problems of school administration of special concern to teachers. Required of all fifth year students. Others register by permission of the instructor.

395 Seminar for Probationary Teachers. 2 credits either semester. Mrs. Bickerton, Mr. Cook, Mr. White and Mr. Wist.
A required course for fifth year probationary student teachers dealing with problems of classroom procedure. Organized in sections for elementary and secondary fields.

400 Thesis Research. Credit arranged. Staff.
Graduate students engaged in the preparation of a Master’s thesis in education register for this course.
ENGLISH

104 GENERAL ENGLISH. 3 credits each semester. Mr. McCartney.

The first of a two year series of courses covering work in composition and literature as correlated subjects. Attention is given to the development of informational background, critical standards, personal appreciation, and consistent habit. Oral expression and other professional aspects receive emphasis.

152 GENERAL ENGLISH. 3 credits each semester. Mr. Coale.

A continuation of English 104.

290-291 ENGLISH IN THE ELEMENTARY SCHOOL. 3 credits each semester. Mr. Coale.

A study of problems in the teaching of English in grades one to six. During the first semester the course deals with reading and with creative phases of expression. The second semester covers a study of problems of usage and of speech, especially as they are found in Hawaii.

292-293 ENGLISH IN THE SECONDARY SCHOOL. 2 credits each semester. Mr. Coale.

A course dealing with the teaching of English in the junior high school years. Work in reading and literature is treated during the first semester, and work in language and composition during the second semester.

294-295 LITERATURE FOR THE ELEMENTARY SCHOOL. 1 credit either semester. Mr. McCartney.

A survey of literature suitable for children in grades one to six. Emphasis during the first semester is placed upon materials for the primary years, and during the second semester upon materials for the upper elementary years.

GEOGRAPHY

261 OCCUPATIONAL GEOGRAPHY. 3 credits first semester. Mr. Jones.

This course consists of a series of problems based upon the occupational life of the peoples of the world, from the standpoint of adaptations to the natural environment. Available sources of material for children of the elementary schools will be considered.

262 HAWAIIAN GEOGRAPHY. 2 credits first semester. Mr. Coulter.

Not offered in 1937-38.

This course is designed to interpret the economic activities of the people of Hawaii today, as explained by the natural environment. Consideration will also be given to social factors, and relationships between Hawaii and other Pacific countries. Available source material for both adults and children will be examined.

263 GEOGRAPHY OF PACIFIC ISLANDS. 2 credits second semester. Mr. Coulter.

The human and economic geography of Polynesia (except Hawaii), Melanesia, Micronesia and the Philippines.

LIBRARY SCIENCE

262 ORGANIZATION AND ADMINISTRATION OF SCHOOL LIBRARIES. 2 credits each semester. Mrs. Geiser.

Not offered in 1937-38.

A course dealing with two aspects of school library service: (a) the relation of the library to the school program, and (b) the essentials of library organizations.
264 **School Library Practice.** 2 to 4 credits either semester. Mrs. Geiser.

Students are assigned as assistants to school librarians in the public schools thus providing an opportunity to participate in the actual work of the school library.

268 **Cataloging and Classification.** 2 credits first semester. Mrs. Geiser.

A study of the principles of dictionary cataloging, including the Dewey Decimal classification, simple subject heading work, and practice in the cataloging and classifying of children's books.

280 **Book Selection.** 2 credits second semester. Mrs. Geiser.

The evaluation and choice of books for school libraries. The work will include the selection of books from the point of view of their usefulness in relation to the curriculum and recognition of the qualities in books which appeal to various types of children. Standard book selection aids will be examined. Reading of typical books selected from school lists will be required.

**MUSIC***

152-153 **Fundamentals of Music.** 1 credit each semester. Mrs. Kahananui.

Designed as a basic course for professionalized courses which follow. The work will include music reading in unison and parts, melodic and harmonic dictation, and a study of music theory.

250 **Music for the Kindergarten-Primary Years.** 2 credits first semester. Mrs. Kahananui.

A study of music materials for the kindergarten-primary years through which sensitiveness to beauty of tone and rhythm can be developed and which will lead the child to respond intelligently to musical experiences. A study of the child voice and its care. Prerequisite or parallel: Music 152-153.

251 **Music for the Intermediate and Upper Elementary Years.** 2 credits second semester. Mrs. Kahananui.

A study of music education in the elementary school with emphasis on intermediate and upper elementary materials. The development of musical power and skill in reading; the integration of music with other subjects in the curriculum with a view to developing an understanding of music as education. Prerequisite or parallel: Music 152-153. Four meetings a week.

252 **Music in the Secondary School.** 2 credits second semester. Mrs. Kahananui.

This course will be organized around music problems common in the vocal program of the secondary school; such as—voice classification, the place of music reading, choral and glee club work, integration with other subjects, selection of material for integration with a view to satisfying the musical and emotional needs of the adolescent child. The material will include songs and recorded music. A program of music, based on several units of work will be outlined and discussed, to show concretely, the possibilities of integration, and to point to concomitant outcomes of the music program. Prerequisite or parallel: Music 152-153.

261 **Music History to the Classical Period.** 2 credits second semester. Mrs. Kahananui.

A study of earlier periods of music in the light of their influence on the development of later music. Through records and assigned readings, the growth of music in relation to environment, and as influenced by changing civilization, will be traced.

*Class instruction in piano, without credit, will be given by Mrs. Forbes at the rate of $7.50 per semester. The instruction will include the fundamentals of piano playing, harmonization of simple melodies and transposition, and is designed to meet the needs of teachers who use the piano in classroom work.
CLASSICISM AND ROMANTICISM IN MUSIC. 2 credits first semester. Mrs. Kahananui.

A comparison will be made between the development of art, literature and music as influenced by environment. This will involve reading representative pieces of literature, viewing outstanding art contributions (painting, sculpture, architecture) and listening to the music of representative composers.

TWENTIETH CENTURY MUSIC (Rhythmic-Atonal Age). 2 credits second semester. Mrs. Kahananui.

A survey of the social and political background which has influenced the development of 20th century art (painting, literature, music). A brief study of the painting and literature of the day will be made to innovations of modern composers.

CHORAL CONDUCTING. 1 credit first semester. Mrs. Kahananui.

A study of the technique of the use of the baton through observation and participation in the conduct of an intermediate school chorus. Conferences will be held when necessary to discuss specific problems which may arise in the practical work.

CONDUCTING INSTRUMENTAL GROUPS. 1 credit second semester. Mr. Hancey.

This course provides supervised practical experience in methods of conducting and teaching beginning instrumental classes. The prospective teacher will first observe and then teach a beginning instrumental class in the Teachers College Intermediate School. Special emphasis will be given to the use of the baton through observation, practice and conferences with the supervisor.

BAND. 2 credits either semester. Mr. Hancey.

A study of standard overtures, light concert and military band music. Concerts will be given and music provided for military, athletic and other campus functions. Four hours.

CONCERT ORCHESTRA. 2 credits either semester. Mr. Hancey.

This course will include a study of overtures, concert selections, accompaniments and light symphony. Members will be required to play at all public appearances of the orchestra. Open to advanced students by permission of the director.

BAND AND ORCHESTRA METHODS. 2 credits first semester. Mr. Hancey.

Not offered in 1937-38.

A study of the various band orchestra instruments, their character and the essential points in the teaching of them. Each member of the class will be taught to play simple forms of music on at least two instruments per semester. This course will also familiarize the prospective band or orchestra teacher with instructional material suitable for elementary bands and orchestras. This course will also provide opportunity for observation in methods of teaching and conducting elementary instrumental groups.

PROBLEMS OF THE INSTRUMENTAL MUSIC TEACHER. 2 credits each semester. Mr. Hancey.

A discussion of the problems of the instrumental music teacher in organizing, teaching and developing bands and orchestras in the elementary and secondary grades. Two hours.

PHYSICAL AND HEALTH EDUCATION

HYGIENE. 1 credit each semester. Mrs. Bennett.

A study of the organs of the human body with special emphasis placed upon their functions and care. The aim of the course is to give prospective teachers a physiological basis for a better understanding of their health, the hygienic problems important to the interests and needs of the community, the physical development of children.
Courses of Instruction

220-221 PHYSICAL AND HEALTH EDUCATION IN THE ELEMENTARY SCHOOL. 2 credits each semester. Mrs. Waterman.
This course deals with the classroom teacher's responsibilities and opportunities in health and physical education at the elementary school level. Practice will be given in suitable games and dances. Two hours a week.

224 PHYSICAL AND HEALTH EDUCATION IN THE SECONDARY SCHOOL. 2 credits each semester. Mrs. Bennett.
A course designed for prospective teachers of health and physical education in the secondary school, with theory and practice of suitable activities for children of adolescent age.

350 COMMUNICA BLE DISEASES. 2 credits first semester. Mr. Phillips.
A course considering the acute contagious diseases, symptoms and manifestations.

352 PRINCIPLES OF PUBLIC HEALTH. 2 credits second semester. Mr. Rhea.
A course designed to familiarize the student with problems of public health, with stress on sanitation and work of federal and local health agencies.

356 PUBLIC SCHOOL HEALTH. 3 credits first semester. Mr. Rhea.
A study of the health problems of the elementary and secondary school child. Child Hygiene relative to general school problems, organization and development of health education programs; the underlying principles of communicable disease control; nutrition, dental hygiene and tuberculosis control.

PRACTICAL ARTS

270 SCHOOL AND HOME GARDENING. 1 credit second semester. Mr. Armstrong.
A course for elementary teachers. It is designed to develop ability to conduct home and school garden projects. The course includes a brief study of fertilizers, insect control, and plant propagation.

SCOUTING

240 BOY SCOUT TRAINING COURSE. 2 credits second semester. Mr. Forbes.
A study of Scout Methods and Materials. The student will be introduced to scouting and all that it embraces: the Cub Division, Boy Scouting, and the Senior Divisions including Sea Scouting and Rovering. A certificate issued by the Boy Scouts of America will be awarded to those who complete the course. Limited to men eighteen years of age and over.

283 GIRL SCOUT TRAINING COURSE. 2 credits second semester. Miss Reese.
Tenderfoot, second class, and first class badge requirements will be presented. Visits to Girl Scout troops and outdoor trips will be features of the course. Limited to Junior and Senior women.

SOCIAL SCIENCE

251 SOCIAL SCIENCE IN THE SECONDARY SCHOOL. 2 credits second semester. Mr. Gordon.
A course designed to give teachers of the social studies an insight into the nature
and meaning of these subjects in citizenship training. Objectives to be attained, types
and sources of materials, and their organization for use in the secondary school cur-
riculum are major topics considered.

271 SOCIAL SCIENCE MATERIALS FOR CHILDREN. 1 credit either
semester. Mr. Gordon.
An attempt to develop an acquaintance with types and sources of social science
materials suitable for use of pupils in the middle and upper elementary years.

290 TRAFFIC SAFETY TRAINING. 2 credits each semester. Mr.
Clarke.
This course is planned to meet the increasing demand for teachers trained in the
fundamental principles of traffic safety.
GRADUATE SCHOOL OF TROPICAL AGRICULTURE

Chief emphasis in this Graduate School is placed upon the giving of individual guidance and instruction to a limited number of students who have an adequate knowledge of the sciences fundamental to the field in which they will pursue a major research problem. As a general rule, these are students who have the Master's degree or who have done professional work beyond the Bachelor's degree in the chosen field. Such individuals devote most of their time to personally supervised research work rather than the taking of organized courses of study.

The School does, however, offer a few seminar* courses for the benefit not only of its graduate students but the members of the research staffs of the several cooperating institutions, as well. The following courses are offered for the immediate future, and are open to any graduate student or staff member SUBJECT TO CONSENT OF THE INSTRUCTOR.

BOTANY

Plant Pathology

303 PLANT PATHOLOGY SEMINAR. 1 credit first semester. Mr. Linford.

The plan of this seminar is to review the present knowledge in selected fields of plant pathology. A topic will be selected which is agreeable to those interested.

304 RESEARCH IN PLANT PATHOLOGY. Mr. Linford.

Open to qualified students in the Graduate School of Tropical Agriculture with the permission of the instructor. Both semesters. Hours and credits to be arranged.

Plant Physiology

305 ABSORPTION AND MOVEMENT OF WATER IN THE PLANT. 1 credit first semester. Mr. Beaumont.

A seminar course dealing with the question of availability, absorption and movement of water in the plant together with some effects of water on plant growth and development.

306 MINERAL NUTRITION. 1 credit second semester. Mr. Sideris.

The aim of this seminar is to discuss the outstanding current publications bearing on the question of absorption of the essential and accessory elements for plant growth.

307 THE SYNTHESIS OF ORGANIC MATERIALS. 1 credit first semester. Mr. Nightingale.

This course, conducted as a seminar, will be concerned with factors affecting the synthesis or organic materials, such as proteins, sugars, and starches.

308 RELATIONS OF MICROORGANISMS TO PHYSIOLOGY OF THE PLANT. 1 credit second semester. Mr. Allen.

A seminar course dealing with the literature pertaining to (a) the effects of micro-organic populations in the soil upon plant growth and metabolism, (b) the influences exerted on the plant by certain beneficial and non-beneficial types of microorganisms existing in the plant tissue, and (c) the basic physiological aspects of plant immunity and susceptibility to disease.

* The attention of students is called to courses listed in the regular University Catalog which carry credits, including the following seminars:

Botany 210. Botanical Seminar
Zoology 210. Zoology Seminar

1 credit each semester.
309 Plant Anatomy. 1 credit second semester. Mr. Eames.

A seminar course dealing with plant anatomy and its applications in economic botany. The subject matter may be arranged to meet the interests of those attending. Offered only in 1937-38.

350 Research in Plant Physiology. Hours and credits arranged both semesters. Plant Physiology Staff.

Open to qualified students in the Graduate School of Tropical Agriculture with the permission of the instructor.

351 Plant Physiological Literature. Credit arranged both semesters. Plant Physiology Staff.

Required of students taking course 350. The aim of the course is to encourage exhaustive studies on certain topics of advanced Plant Physiology.

CHEMISTRY

302 Research in Chemistry. Hours and credits arranged. Mrs. Bilger.

Open to qualified students in the Graduate School of Tropical Agriculture with permission of instructor.

310 Seminar: Chemical and Physical Studies in Biological Fields. 1 credit. Mrs. Bilger.

Recent advances in physico-chemical, organo-chemical, and analytical problems in biological processes. Topics to be included are potentiometric measurements, radiations and chemical change, asymmetric molecular structures, chemical composition of biological substances, and spectro and X-ray methods of analysis. Prerequisite: one year of Physical Chemistry or special arrangement with instructor.

ENTOMOLOGY

302 Research in Entomology. Hours and credits arranged. Mr. Chapman and Mr. Carter.

Open to qualified students in the Graduate School of Tropical Agriculture with the permission of the instructor.

350 Insect Ecology. 2 credits first semester. Mr. Chapman.

A review of zoology and synecology with special emphasis upon recent advances. A critical review of the evidence on the effects of physical and biotic factors on insects and insect populations. Discussions and assigned readings. Experimental work to be arranged by the students individually.

355 Insect Transmitted Diseases of Plants. 1 credit first semester; credits variable second semester. Mr. Carter.

A lecture course during the first semester will develop the subject primarily from the viewpoint of the ecologist with particular reference to the interrelationships between insect vector, disease, and host plant. During the second semester the course will be conducted as a current literature seminar, but students desiring laboratory experience will be afforded the opportunity to conduct problems. Hours to be arranged.

GENETICS

300 Seminar in Genetics. 2 credits each semester. Mr. Collins.

The seminar will make a critical review of current, fundamental researches in the field of experimental genetics by means of reports upon assigned readings. Prerequisite: advanced study in genetics.
302 RESEARCH IN GENETICS. Hours and credits arranged. Mr. Collins.

Open to qualified students in the Graduate School of Tropical Agriculture with the permission of the instructor.

SOIL SCIENCE

300 NUTRIENT AVAILABILITY IN SOILS. 1 credit first semester. Mr. Magistad.

This course will be conducted as a seminar, and will deal with current literature and experiments in progress. Base exchange, nitrogen and potash availability, and methods of determining availability will be considered.

302 RESEARCH IN SOIL BACTERIOLOGY, SOIL CHEMISTRY OR SOIL PHYSICS. Hours and credits arranged. Mr. Allen, Mr. Magistad, and Mr. Wadsworth.

Open to qualified students in the Graduate School of Tropical Agriculture with the permission of the instructor.

350 THE NITROGEN CYCLE. 1 credit first semester. Mr. Allen.

The course will be conducted as a seminar, and will include a detailed critical, and comprehensive study of the various transformations of nitrogenous material in nature from micro-biological and chemical standpoints. Practical aspects of these phases are to be stressed especially. Special attention will be paid to current literature.

351 SOIL PHYSICS AND THE RELATION OF SOIL MOISTURE TO PLANT GROWTH. 1 credit second semester. Mr. Wadsworth.

The course will be conducted as a seminar, and will consider the physical properties of soils with special emphasis upon soil moisture. The second half of the semester will be spent in a study of plant and soil moisture relations as indicated by current investigations.

352 BACTERIAL DECOMPOSITION. 1 credit first semester. Mr. Allen.

A seminar reviewing the literature on bacterial decomposition of nitrogenous and cellulose matter in the soil. The various groups of bacteria and fungi will be studied with regard to their prevalence in soils and their specific and combined functions in these processes.
Holders of University Scholarships

ASSOCIATED WOMEN STUDENTS
Phyllis van Orden
Felice Wong

CHINESE STUDENTS' ALLIANCE
Ella Chun
Beatrice Lum
Ralph Siu

CHINESE WOMEN'S CLUB
Phyllis Wong

HAKUBA KAI
Gregory Ikeda
Paul Shimizu

HAWAIIAN GIRLS' CLUB, Y. W. C. A.
Radegonda Chow

HYUNG JAY CLUB
Agnes Inn

KE ANUENUE
Puarose Mahi

LEORA PARMELEE DEAN
Satsue Fujii

MARY D. FREAR
Iwalani Smith

PRINCE FUSHIMI
Henry Kawano
Lily Utsumi
Hitoshi Sakai
Etsuyo Sayama
Toshimi Yoshinaga
Kimie Takeuchi

RUTH SCUDDER
Sau Chung Wong

STEPHEN SPAULDING
Shogo Abe

WAKABA KAI
Yuki Tokimasa
Haruko Nishikawa

YANG CHUNG HUI
Ellen Chang
Bernice Young

150
Graduate Fellowships and Scholarships

George H. Akau—Chemistry
Margaret C. Bairos—English
Margaret M. Cass—English
Paul E. Chu—Physics
Paul L. Cow—Physics
Margaret A. Ingram—English
William M. Ingram—Entomology
Brunhilde I. Kaufer—Sociology
Richard A. Liebes—Economics
Robert J. Majors—Art
Beth A. Roberts—History
Lenora A. Shanedling—Education
Degrees Conferred
1936

HONORARY DEGREES

Doctor of Science

Charles Montague Cooke—For the advancement of zoological science by many years of outstanding service in the Bishop Museum and important contributions in malacology.

Doctor of Literature

Edwin Rogers Embree—Author of several significant books and clear-visioned leader toward equality of educational opportunity for all racial groups.

REGULAR DEGREES

Master of Science

Thesis: Soil Profiles Along Kipapa Gulch, Oahu, Hawaii, as Modified by Altitude and Climate.

Thesis: The Effect of Fertilizer Upon the Yield and Chemical Composition of Coffee Grown in the Kona District, Island of Hawaii.

Richard Tadaichi Fujio, B.S., University of Hawaii, 1935.
Thesis: Preparation of Nicotine Derivatives and a Study of Their Toxicity to the Melon Fly (Chaetodacus curcubitae).

Kiyoshi Ito, B.S., University of Hawaii, 1929.
Thesis: Biological Studies on the Pineapple Mealy Bug, Pseudococcus Brevipes (Ck1).

Frank Tadao Kitamura, B.S., University of Hawaii, 1934.

Hisashi Kubota, B.S., University of Hawaii, 1935.
Thesis: The Iodine Content of Soils and Rocks of Hawaii.

Takeshi Nishijima, B.S., University of Hawaii, 1935.

Amy Suehiro, B.S., University of Hawaii, 1927.
Holders of University Scholarships

Ralph H. Tanimoto, B.S., University of Hawaii, 1934.  

Tyrus Toshiyuki Tanimoto, B.S., University of Hawaii, 1935.  

Master of Arts

Roman R. Cariaga, B.A., University of Hawaii, 1934.  

David Roger Davis, B.A., Bucknell University, 1932.  

*George Joseph Dowson, B.A., University of Hawaii, 1930.  

†Mildred Gordon, Ph.B., University of Chicago, 1922.  

*Charles Joe Griswold, B.S., Kirksville State Teachers College, 1925.  
Thesis: A Study of the Variability of Pupils Whose School Marks are Above Average, Average, and Below Average.

†Harry M. Hale, B.A., Wichita University, 1924.  

Elizabeth Lulu Heen, B.A., University of Hawaii, 1931.  

Albert R. Horlings, B.A., University of Minnesota, 1934.  

Thesis: The History of the Kamehameha Schools.

†Howard V. Kohr, B.A., University of Washington, 1934.  
Thesis: The Foreign Policy of Baron Shidehara.

Ruth Tomi Kojima, B.A., University of Hawaii, 1935.  

Thesis: A Study of the Poetic Sources of Walt Whitman.

Thesis: Japan and the South Manchuria Railway.

*Dallas Carlton McLaren, B.A., Park College, 1925.  
Thesis: Eighth Year Marks, Eighth Year Stanford Achievement Test Scores and Other Factors as Criteria of Success in High School.

Donald Dean Mitchell, A.B., Phillips University, 1928.  
Thesis: Education in American Samoa with Special Reference to Health Problems.

* Degree granted March 1936.
† Degree granted August 1936.
Marilouise Abel Morley, B.A., University of Hawaii, 1927.

†Kumao Okazaki, B.A., University of Hawaii, 1935.

Peace Yin Ping Tan, B.A., University of Hawaii, 1935.
Thesis: Yang Kuei-Fei, An Original Four-Act Play based on a Chinese Historical Romance and Adapted to the Western Stage, with Notes and Introduction.

Yukuo Uyehara, B.A., University of Hawaii, 1931.
Thesis: Historical Development of the Kabuki since the Meiji Restoration.

John A. Wiesner, B.S., Linfield College, 1933.

Master of Education

Thesis: Comparative Study of Education in Present-Day Italy, Germany, and Russia.

†Beth King Cantt, A.B., Doane College, 1919.
Thesis: Democratic Participation as Method in High School Social Studies.

Dorothy M. Kahananui, B.S., New York University, 1931.
Thesis: The Influence of Psychological Theories on Music Education.

†John Luiz, B.A., Colorado State Teachers College, 1930.

†William C. McAlister, B.Ed., Illinois State Normal University, 1933.


†Earl L. McTaggart, B.S., University of Hawaii, 1922.
Thesis: Agricultural Education in American Samoa.

†Gladys Buckley Milligan, Ed.B., University of Hawaii, 1936.
Thesis: A Study of Physical Education in the Public Schools of Honolulu.

Jack Hifuo Mizuha, B.A., University of Hawaii, 1934.

†Maybelle Felker Roth, B.S., Oregon State Agricultural College, 1921.

Margaret Ting, Ed.B., University of Hawaii, 1935.

†Gustav H. Webling, B.S., Teachers College, Columbia University, 1931.
Thesis: A Study of the Educational Opportunities of the Youth of Rural Oahu.

* Degree granted March 1936.
† Degree granted August 1936.
Degrees Conferred

Bachelor of Science

AGRICULTURE
Kazuo Kikuta
Bernard Jiro Koseki
Henry Masato Kusunoki
Saburo Maehara
Kenneth Isami Murakami
Hiroshi Ooka
Woom Young Park
Tadashi Fukuhisa
Yukio Sumida
Richard Shigeru Suzuki
Noriyuki Ueoka

CIVIL ENGINEERING
Arthur Edward Arledge, Jr.
Masao Furuhashi
Sakai Kawakami
Warren Lathrop McAig
Adolph Joseph Mendonca
James Masaru Nakahara
Minoru Nakatani
Kentaro Tauturi
Ray Moriyoshi Uyeno

SUGAR TECHNOLOGY
Nelson Kealing Barrus
Charles Alexander Butchart
Tolao Iwai
Ernest Ashley Johnstone
Stuart Paul Ruley

Bachelor of Arts

Nobuo Inaba
*Richard Edmund Stuart Adams
William Ahuna
Rolland Belleire
Margaret Fischer Black
Helen Chan
Clarence Fong Chang
Francis Joseph Mau Fong Ching
Hung Leong Ching
Louise Loo Ching
Phyllis Sue Oi Chow
Aki Chu
Arthur Baptiste Ching
(Honors in Political Science)
Muriel Au Hoy Chun
*Helen Kwan Chung
*Agnes CLOWER
Charles Wilbur Craw
Charles Felix DuBois de Jancigny
Catherine Carlyle Duncan
Jane Fairweather
*Euphemia Lavinia Fleming
Jennie Po KUN Fong
*Lorraine Fowida
Myrtle Freeman
*Naoma N. Frisbee
Masuto Fujita
*Mitsuo Fujishige
Richard Furtado
George Donald Gedge
*Robert Willard Gray
Mary Rita Greason
Marguerite Evelyn Hartung
(Honors in German)
Annie Yuk Inn Hee
Sueko Higa
Kenio Higaki
Violet Olive Horner
Frank Ward HUSTACE
(Honors in Political Science)

* Degree granted March 1936.
† Degree granted August 1936.
†Clare Gregory Murdoch
*Haruko Okano
†Carolyn Phillips
*Maynard Dodd Pitlts
Stuart Ellsworth Rutherford
Georgia Haruko Sakai
Yuzuru Sakimoto
Iekko Satoda
*Louise Yoshi Sasai
Jukichi Sato
(Honors in Social Sciences)
Katsuki Shimazu
Shigeo Shinkawa
Martha Anne Smallreed
Daryl Jean Smith
Thomas Ernest Ward Smith
Dorothea Yee Soon
Campbell Wayne Stevenson
Clarence Yoshiro Sugihara
John Henry Sullivan
Marie Anna Carla Swanson
*Ernest Tadashi Tahara
David Takahashi

Takeo Takesue
Mathilda Zieglerhofer Tamura
†Miyso Yoshizawa Tanaka
*Ryuuzo Taniguchi
*Roy Toshiro Tanoue
Margaret Elizabeth Thoene
Harue Tokufuji
Takeshi Toshiyuki
Tadamu Uchiimi
John Uehara
Margaret Arlene Watrous
*Eloise Avis West
Frances Wilson
Frank Stedman Wilson
Wayne Wong
Takeo Yamachika
Herbert Wataru Yamamoto
*Hazel Sau Mee Yee
Ralph Tsuneo Yempuku
Momoyo Yoshida
Masae Yoshimasu
†Basil Hook On Young
*Ethel Chung Young
*Harry Shay Kwen Zen

Bachelor of Education

Marie Eileen Abshire
*Richard Silvertrre Adap
†Iwahina Bemrose Adelmeyer
Florence Akana
Esther Aka
Margaret Hung Kam Au
†Elizabeth K. Baker
†Kahlilma Nalimu Bradley-Braun
Louise Bugbee
Louis Camara
*Margaret Zane Chee
Ellen Ching
†Helen En Keau Ching
†Hung Lau Ching
†Lani Yapp Ching
Marietta Meileen Ching
†Eleanor Ai Chang Chong
*Amy Lau Chu
Violet Yuen Oi Chuck
†Beatrice Kam Tuck Ing Chun
†Kathryn Suehee Day
*Yoshiaki Eto
†Jessie Shaw Fisher
Geraldine Lehalani Forbes
†Herbert John Francisco
†Lucy Menezes Frazier
†Myrtle Moy Goo
†Edna Sadako Hayamamoto
†Yoshie Pauline Kunioiki Hayashi
Sarah Chu Hee
Hikalo Violet Higaki
Ada Hirochi
†Genevieve Hood Hobson
†Frieda-May Hutchison
Rebecca Yuk Kin Ing
John Kaulina Kaaha
†Kazuho Herbert Kage
James Tetsuo Kashiwara
†Miriam Kukuhakako Kinney
†Clarence Masa Kobayashi
Hazel Kollmeyer
*Alice Cox Lai
†Elaine Ina Lung
Lenore Seto Lau
†Tet Chia Lau
*Alice Kum Yuke Lee
Goldie Tran Li
Betty Oi Quen Lo
Ruth Nishimoto Masuda

†Matsuko Matsuno
†Florence Torayo Matsuo
Evelyn Agnes Medeiros
*Gladys Buckley Milligan
Richard Shimehi Mirikiti
†Katherine Shigoko Miura
*Hanako Miyamoto
Elaine O. Morimoto
Matthew Mai Tai Nahm
†Philip H. Ninnomiya
†Asako N. Nitta
Gladys Lino Nobriga
Hayako Okamura
Midori Joyce Okumura
†Mildred Tsuruji Omon
Helen Pohlmann
Elvis Berman Rhodes
†Ruth Elizabeth Roberts
George Gordon Robinson
William Tate Robinson, Jr.
Ulalia Ching Sornstad
Doris Elizabeth Ross
†Setsuyo Shimoto
Margaret Hudson Smith
Arthur Pangs Tronco
†Ida Johanna Stepp
*Zelie Miller Sutherland
Rita Corte Tachera
†Frances Kwock Tagawa
*Yoshiko Tahara
†Judith Yoshiyo Takakawa
*Sokue Tokano
†Masume Tomoguchi Tanaka
†Ruby Sakai Tanimura
*Alice Syikau Ten
Ellen Yun Lan Tenp
Lily Susannah Teshima
Dorothy May Thompson
†Belie Yewk Tsau
†Donia Ching Tsau
†Esther Mark Tsau
Florence Yap Tsau
Lily Akiyau Tsau
Aileen Katherine Ukaula
Cecilia Vieira
Dorothy Vierra
Matilda Vieira
Sarah Kuuleipoinaole Wela
†Erwin Lawrence Sung Wong
Degrees Conferred

RECIPIENTS OF FIFTH YEAR CERTIFICATES

Florence Sing Kyau Akamu
Josephine Alves
*Virginia Claire Anjo
Gladys Riyoko Arakawa
Anna Kam Oi Au
*Priscilla Lin Hup Ching
*Eleanor Sui Mui Chun
Lucille Kaonohionapua Coke
Georgina Cooper
Mabel Calbou Creedon
Amy Lum Fern
Thelma Robinson Fril
Lionel Takeo Fukabori
Margaret Gomes
Lilly Yuriko Goto
Florence Hamada
Irene Kam Jun Hee
Naomi Hong
Helen Masako Hoshino
Mew Yung Jay
Hideko Kanda
John Komenaka
Florence Matsuyou Kuwamoto
Abbie Kalakulani Lee

Beatrice Meu Yung Yap
Peter K. Yasutake
*Margaret To Ka Yee
*Anthony Kalani Young
*Edith Chang Zen

Choy Wun Leong
Ella Lo
Gladys Kanani Lum
Katsumi Maeda
Hazel Asako Mirikitani
*Hannah Miwa
Harriet Haruyo Monden
Toki Nakaone
Ogden Masayoshi Nishizaki
Edwina Leinani O’Brian
James Takio Okamura
Jeanette Holt Puuohau
Harriet Foon Soo
*Momi Pearl Chung Soo
Belmyra Souza
*Emiko Suyama
Dorothy Harue Teshima
*Margaret Fook Young Ting
Gertrude Siu Yin Tyau
Hazel Mitsuako Uemura
Yealene Kim Whang
Jane Shibao Yagi
*Tamayo Thelma Yanagi
Ellen Kam Hie Yang
Margaret Yuk Chee Yuen

* Degree granted March 1936.
† Degree granted August 1936.
* Certificate granted March 1936.
### GRADUATE DIVISION

#### Candidates for Degrees

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Degree</th>
<th>University</th>
<th>Year</th>
<th>Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adams, Albert E.</td>
<td>2521 Pahoa Ave, B.A.</td>
<td>B.A.</td>
<td>Culver-Stockton College</td>
<td>1924</td>
<td>(Education)</td>
</tr>
<tr>
<td>Akana, Annie K. A.</td>
<td>2505-A Ladd Lane, B.A.</td>
<td>B.A.</td>
<td>University of Hawaii</td>
<td>1931</td>
<td></td>
</tr>
<tr>
<td>Albertson, Larrabee</td>
<td>504 Nelson Ave, Peddskill, N. Y.</td>
<td>B.A.</td>
<td>Columbia College</td>
<td>1935</td>
<td>(English)</td>
</tr>
<tr>
<td>Akau, George H. Jr.</td>
<td>1518 Ewolyn St, B.S.</td>
<td>B.S.</td>
<td>University of Hawaii</td>
<td>1935</td>
<td>(Chemistry)</td>
</tr>
<tr>
<td>Au, Sung Hin</td>
<td>Lot 90, New Damon Tract, Moanalua; 1911 Dole St. B.S.</td>
<td>University of Hawaii</td>
<td>1935</td>
<td>(Entomology)</td>
<td></td>
</tr>
<tr>
<td>Baires, Margaret C.</td>
<td>2121 Lanihuli Dr. A.B.</td>
<td>University of California</td>
<td>1936</td>
<td>(English)</td>
<td></td>
</tr>
<tr>
<td>Barrett, Charles B.</td>
<td>2367 E. Manoa Rd. A.B.</td>
<td>A.B.</td>
<td>Hastings College</td>
<td>1929</td>
<td>(Education)</td>
</tr>
<tr>
<td>Belknap, Stella W.</td>
<td>1945-Y Kalia Rd. Ed.B. University of Hawaii</td>
<td>1935</td>
<td>(Education)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bishop, Joseph Irah</td>
<td>3142 Olu St. B.A.</td>
<td>A.B.</td>
<td>University of Hawaii</td>
<td>1930</td>
<td>(Education)</td>
</tr>
<tr>
<td>Brown, Flora B.</td>
<td>1115 Lunalilo St. B.A.</td>
<td>B.A.</td>
<td>Stanford University</td>
<td>1903</td>
<td>(Political Science)</td>
</tr>
<tr>
<td>Brown, Thelma C.</td>
<td>1407 Waiolu Place. B.A.</td>
<td>University of Hawaii</td>
<td>1932</td>
<td>(English)</td>
<td></td>
</tr>
<tr>
<td>Canaday, Lotty V.</td>
<td>3462 Kamehameha Rd. Ed.B. University of Hawaii</td>
<td>1933</td>
<td>(Education)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cass, Margaret M.</td>
<td>1926 Potter St. Eugene, Ore.; 1804 Anapuni St. B.A.</td>
<td>University of Oregon</td>
<td>1936</td>
<td>(Oriental Studies)</td>
<td></td>
</tr>
<tr>
<td>Catto, Robert J.</td>
<td>559 Euclid Ave, Upland, Calif.; Atherton House. B.A., Pomona College</td>
<td>1936</td>
<td>(Botany)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chang, Annie A.</td>
<td>1836-C Boyd Lane. Ed.B. University of Hawaii</td>
<td>1934</td>
<td>(Education)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chee, Irene K. N.</td>
<td>1158 Lunalilo St. B.A.</td>
<td>A.B.</td>
<td>University of Hawaii</td>
<td>1931</td>
<td>(Education)</td>
</tr>
<tr>
<td>Ching, Elsie T.</td>
<td>3738-A Manini Way. B.A.</td>
<td>University of Hawaii</td>
<td>1928</td>
<td>(Education)</td>
<td></td>
</tr>
<tr>
<td>Ching, Hung Jau</td>
<td>2130 Wilder Ave. B.A.</td>
<td>University of Hawaii</td>
<td>1930</td>
<td>(Education)</td>
<td></td>
</tr>
<tr>
<td>Chuck, New Kameh, Kamuela, Hawaii; 728 Kinai St. B.A.</td>
<td>University of Hawaii</td>
<td>1931</td>
<td>(Education)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chung, Alice E.</td>
<td>1816 Dole St. B.A.</td>
<td>University of Hawaii</td>
<td>1933</td>
<td>(English)</td>
<td></td>
</tr>
<tr>
<td>Chun, Din Ho</td>
<td>1424-10th Ave. B.A.</td>
<td>University of Hawaii</td>
<td>1930</td>
<td>(Economics)</td>
<td></td>
</tr>
<tr>
<td>Clark, N. Ford</td>
<td>4722-A Kahala Rd. B.A.</td>
<td>University of Utah</td>
<td>1925</td>
<td>(Oriental Studies)</td>
<td></td>
</tr>
<tr>
<td>Davis, J. Jefferson C.</td>
<td>2432-C Ala Wai Blvd. B.S.</td>
<td>North Carolina College of Agriculture and Engineering</td>
<td>1928</td>
<td>(Physics)</td>
<td></td>
</tr>
<tr>
<td>Davis, Lea C.</td>
<td>1219 Alewe Dr. B.A.</td>
<td>University of Hawaii</td>
<td>1928</td>
<td>(Education)</td>
<td></td>
</tr>
<tr>
<td>Donovan, Kathryln</td>
<td>216 Beach Walk. Ed.B. University of Hawaii</td>
<td>1933</td>
<td>(Education)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dow, Mrs. Colette F.</td>
<td>1423 Whitney St. A.B. University of Hawaii</td>
<td>1930</td>
<td>(Political Science)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Duffy, Olve D.</td>
<td>1904 Vancouver Ave. B.A.</td>
<td>University of Wisconsin</td>
<td>1931</td>
<td>(English)</td>
<td></td>
</tr>
<tr>
<td>Dyson, Clarence B.</td>
<td>Aiea, Oahu. Ed.B.</td>
<td>University of Hawaii</td>
<td>1935</td>
<td>(Education)</td>
<td></td>
</tr>
<tr>
<td>Feiteira, Thomas M.</td>
<td>941—14th Ave. Ed.B.</td>
<td>University of Hawaii</td>
<td>1933</td>
<td>(Education)</td>
<td></td>
</tr>
<tr>
<td>Fong, Jennie P. K.</td>
<td>45-A Kukini St. B.A.</td>
<td>University of Hawaii</td>
<td>1936</td>
<td>(English)</td>
<td></td>
</tr>
<tr>
<td>Forbes, Eureka</td>
<td>2390 Kolowalu St. B.A.</td>
<td>University of Hawaii</td>
<td>1933</td>
<td>(Political Science)</td>
<td></td>
</tr>
<tr>
<td>Fowlds, Lorraine</td>
<td>2057 Lanihuli Dr. B.A.</td>
<td>University of Hawaii</td>
<td>1936</td>
<td>(Education)</td>
<td></td>
</tr>
<tr>
<td>Freitas, Henrietta</td>
<td>1415 Lahuala St. Ed.B.</td>
<td>University of Hawaii</td>
<td>1935</td>
<td>(Education)</td>
<td></td>
</tr>
<tr>
<td>Frowe, Margaret M.</td>
<td>1019—13th Ave. B.A.</td>
<td>University of Hawaii</td>
<td>1934</td>
<td>(English)</td>
<td></td>
</tr>
<tr>
<td>Gallagher, Rebecca M.</td>
<td>3007 Hobe St. A.B.</td>
<td>University of Hawaii</td>
<td>1935</td>
<td>(Education)</td>
<td></td>
</tr>
<tr>
<td>Hanney, Charmion</td>
<td>2525 Malama Pl. B.S. University of Utah</td>
<td>1927</td>
<td>(Education)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ho, Margaret Y. K.</td>
<td>1809 Dole St. B.A.</td>
<td>University of Hawaii</td>
<td>1933</td>
<td>(English)</td>
<td></td>
</tr>
<tr>
<td>Hosaka, Edward Y.</td>
<td>1438 Kahana St. B.S. University of Hawaii</td>
<td>1931</td>
<td>(M.S., University of Hawaii, 1935</td>
<td>(Botany)</td>
<td></td>
</tr>
<tr>
<td>Huckestein, Inez L.</td>
<td>Box 2867, Honolulu. B.A. University of Hawaii</td>
<td>1932</td>
<td>(English)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humphries, Grace</td>
<td>2378 University Ave. B.S. Oregon State College</td>
<td>1924</td>
<td>(Economics)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ingram, Margaret A.</td>
<td>170 E. 8th St. Claremont, Calif.; 2011-C Lanihuli Dr. B.A., Scripp's College</td>
<td>1931</td>
<td>(English)</td>
<td></td>
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</tr>
</tbody>
</table>

158
Register of Students

Ingram, William M., 2011-C Lanihuli Dr. B.A., Pomona College, 1935. (Zoology)
Kaapu, Myrtle K., Punaluu, Oahu. B.A., Goucher College, 1920. (Education and English)
Kawamoto, Shizuyo, 2205 So. Beretania St. Ed.B., University of Hawaii, 1933. (Education)
Kawasaki, MasaYuki, Kealakekua, Hawaii; 2812 Waiakea Rd. B.A., University of Hawaii, 1937. (Political Science)
Kawelo, James E., 2125-M Bannister St. B.A., University of Hawaii, 1926. (English)
Keith, Mitsuyuki, Haiku, Maui; 329 Iolani Ave. B.A., University of Hawaii, 1928. (Education)
Kubo, Florence S., Hilo, Hawaii; Atherton House. B.A., University of Hawaii, 1934. (Sociology)
Kaapu, Myrtle K., Punaluu, Oahu. B.A., Goucher College, 1920. (Education and English)
Kawamoto, Shizuyo, 2205 So. Beretania St. Ed.B., University of Hawaii, 1933. (Education)
Kawano, Shichiro, 33 Nagaosa, Uwa-Machi, Ehime-Ken, Japan; 851 Pumehana St. Bungakushi, Hiroshima University, 1934. (Education)
Kido, Mitsuyuki, Hilo, Hawaii; 329 Iolani Ave. B.A., University of Hawaii, 1928. (Education)
Kido, MasaYuki, Kealakekua, Hawaii; 2812 Waialae Rd. B.A., University of Hawaii, 1937. (Political Science)
Lee, Alice K., 2031 Iholena St. B.A., University of Hawaii, 1933. (Education)
Lee, Genevieve, 2136 S. King St. B.A., University of Hawaii, 1934. (Education)
Lee, Rosalie, 1338 Young St. B.A., University of Hawaii, 1932. (History)
Leong, Ah Jook, 934-8th Ave. B.A., University of Hawaii, 1933; B.J., University of Missouri, 1935. (Education)
Lieberhagen, Alice F., 2136 S. King St. B.A., University of Hawaii, 1934. (Education)
Ling, Edith T., 1130 Kapahulu Rd. B.A., University of Hawaii, 1931. (Education)
Loo, Bernece T., 1316 Piliolani Rd. B.A., University of Hawaii, 1931. (Education)
Matsuno, Nihon, 2600 S. Beretania St. B.A., University of Hawaii, 1935; Ed.B., University of Hawaii, 1936. (Education)
Miyamoto, Shichiro, 33 Nagaosa, Uwa-Machi, Ehime-Ken, Japan; 851 Pumehana St. Bungakushi, Hiroshima University, 1934. (Education)
Morse, Marion, Pleasanton Hotel B.A., University of California, 1916. (Oriental Studies)
Nago, Tadako A., Box 277, Hilo, Hawaii; 2113 S. Beretania St. B.A., University of Hawaii, 1935. (Oriental Studies)
Nishimura, Katsumi, Kahului, Maui; 1239 S. King St. B.S., University of Hawaii, 1936. (Economics)
Ogata, Shigeyo, 2364 S. Beretania St. Ed.B., University of Hawaii, 1935. (Education)
Onishi, Yoko M., 345 Kulea St.; Nuanu Y. M. C. A. B.A., Albany College, 1934. (International Relations)
Olson, Bess P., East Central State Teachers College, Ada, Okla.; 1527-A Punahou Cliffs, Wilder Ave. A.B., East Central State Teachers College, 1929; M.A., Columbia University, 1931. (English)
Onishi, Katsumi, Box 96, Aia, Oahu. B.A., University of Hawaii, 1934. (Education)
Orme, Carol W., 229 Saratoga Rd. B.A., University of Washington, 1922. (Education)
Orme, Stanley, 229 Saratoga Rd. B.A., University of Washington, 1923. (English)
Ployhar, Frederick P., Box 224, Olivia, Minn.; 1221-C Alexander St. B.S., College of St. Thomas, 1924. (Chemistry)
Roberts, Beth A., 24 S. 5th, East Salt Lake City, Utah; 1916 University Ave. A.B., University of Utah, 1922. (History)
Ross, Kathlyn, 1610 Mikahala Way. A.B., Santa Barbara State College, 1927. (Education)
Shirak, Lenora A., 1926 N. E. Broadway, Portland, Ore.; Women's Dormitory. B.A., Reed College, 1936. (Education)
Shim, Esther F., 222-A Emma Square. B.A., University of Hawaii, 1931. (Education)
Shinkawa, Shigeo, 2229 Saratoga Rd. B.A., University of Hawaii, 1936. (Chemistry)
Storey, William B., 1653-B Liholiho St. B.S., University of Hawaii, 1935. (Genetics)
Takahashi, David T., Hanaele, Kauai; 1220 College Walk. B.A., University of Hawaii, 1936. (Chemistry)
Takahashi, Makoto, 2134 Citron St. B.S., University of Hawaii, 1936. (Genetics)
Tenn, Emma Y. F., 1927 Coyne St. Grad., Yenching University, 1934. (English)
Thoene, Alma E., 2548 Rocke Ave., Ed.B., University of Hawaii, 1935. (Education)
Vaughn, Inger S., Fernhurst. B.S., William and Mary College, 1921. (Education)
Westgate, Mark W., University of Hawaii. B.S., University of Hawaii, 1932; M.S., University of Hawaii, 1933. (Chemistry)
Yamaguchi, Michio, 918—9th Ave. B.S., University of Hawaii, 1930. (Education)
Yang, Sarah L., 1229—15th Ave. B.A., Colorado State Teachers College, 1931. (Education)
Yee, Lizzie, Kohala, Hawaii; 3031 Lincoln Ave. B.A., University of Hawaii, 1933. (Social Science)
Yee, Violet M., 1401 Kewalo St. B.A., University of Hawaii, 1933. (English)
Yempuku, Ralph T., 1710 Fort St. B.A., University of Hawaii, 1936. (Economics)
Yoshida, Shigeo, 1902-A Bingham St. B.A., University of Hawaii, 1930. (Education)
Hamamoto, Kuniko, Box 70, Hilo, Hawaii; 1127—15th Ave. Ed.B., University of Hawaii, 1935. (Education)
Hapai-Ayau, Lei O., 263 Otea Ave. Ed.B., University of Hawaii, 1933. (Social Work Training)
Hayashida, Akiyoshi, 1732 Gulick Ave. B.A., University of Hawaii, 1928; M.A., University of Hawaii, 1933. (Education)
Ho, Man Quing, Chang Chia Pien, Chung Shan District, Kwangtung, China; 1524 Emma St. B.A., Sun Yet Sen University, 1931. (Sociology)
Holmes, Jerome K., Box 103, Wailuku, Maui. B.A., University of Hawaii, 1937. (Chemistry)
Holtermann, Gordon, Fort Shafter. B.S., U. S. Military Academy, 1936. (Political Science)
Howe, Rita R., 2150 Atherton Rd. B.A., University of California, 1920. (Education)
Itoga, Bert, 1753 Fern St. B.S., University of Kansas, 1931. (Education)
Iwanaka, James S., Waianae, Oahu; 2728 Huapala St. B.A., University of Hawaii, 1936. (English)
Johnson, Charlotte E., 2117 McKinley St. A.B., University of California, 1936. (Education)
Jones, Austin E., Board of Water Supply; 734-B Ocean View Dr. A.B., University of California, 1924. (Geology)
Kaama, John, 1106 Piikoi St. Ed.B., University of Hawaii, 1936. (Education)
Kenney, Kaleialoha W., 3247 Charles St. Ed.B., University of Hawaii, 1937. (Social Science)
Kubota, Tokuj, Box 33, Capt. Cook, Kona, Hawaii; 1926 So. King St. A.B., University of Hawaii, 1935. (Education)
Kunioki, Satoe, Waiakoa, Maui; 2327 Liloa Rise. B.A., University of Hawaii, 1934. (Education)
Lai, Kum Pui, 32-B Leilehua Lane. B.A., University of Hawaii, 1933; M.A., University of Hawaii, 1935. (Social Work Training)
Larry, E. Cynthia, 1804 Indiana, Pullman, Wash.; 2115 Kamehameha Ave. B.S., University of Illinois, 1923. (Psychology)
Leung, Ah Tin, 1055 Kinau St. B.S., University of Hawaii, 1935. (Education)
Lindley, Samuel E., Iolani School. B.A., University of Hawaii, 1936. (Oriental Studies)
Louis, Rose Y. S., 1050 Koko Head Ave. B.A., University of Hawaii, 1928. (Education)
Low, Frank, 2336 Young St. B.S., University of Hawaii, 1931. (Education)
Lunn, Amoy, 2101 No. King St. B.A., University of Hawaii, 1933. (Social Work Training)
MacKenna, John E., Box 375, Wahiawa, Oahu. B.A., Denver University, 1927. (History)
Majors, Robert J., 418 E. Fourth St., Ontario, Calif.; 2757 Puuhonua. Grad., Chouland Art Institute, 1936. (Art)
Matson, Edna S., 220 Emma Square. A.B., Kalamazoo College, 1918. (Education)
Matsuki, Evelyn Shizuko, 1703 Kealialoha Dr. B.A., University of Hawaii, 1932. (Education)
Mau, Winifred C., 1346 Wilhelmina Rise. B.A., University of Hawaii, 1934. (Education)
McClure, Maybelle B., 326 Liliuokalani. Ed.B., University of Hawaii, 1933. (Education)
McGregor, Calvin C., 1165-A No. King St. B.A., University of Hawaii, 1937. (Economics)
McLennan, George H., Central Y. M. C. A. A.B., Occidental College, 1934. (Education)
Meighen, Bernard P., 225 Bowhay St., Waynesburg, Penna.; Atherton House. B.S., Waynesburg College, 1934. (Physics)
Meredith, Alide E., 344 Lexington St., Harrodsburg, Ky.; 737 Spencer St. B.S., Columbia University, 1924. (English)
Mitchell, Donald D., Kamehameha Boys School. A.B., Phillips University, 1928; M.A., University of Hawaii, 1936. (Zoology)
Miwa, Edith, 1215-G Alexander St. B.A., University of Hawaii, 1936. (Education)
Miyamoto, Stanley M., 1718 Lewalani Dr. Ed.B., University of Hawaii, 1932. (Education)
Morimoto, Tadashi, Box 71, Holualoa, Kona, Hawaii; 617 Ihe St. B.A., University of Hawaii, 1935. (Social Work Training)
Mounts, Reston, 2924 Park St. B.A., Denver University, 1935. (English)
Murphy, Fred, 783 N. King St. B.A., University of Hawaii, 1929. (Education)
Nishimura, Henry M. 1725 S. King St. B.S., University of Hawaii, 1932. (Education)
O'Dea, Katherine Teresa, 3027 Kalakaua Ave. B.S., University of California, 1926. (Education)
Ogata, Tomi, 2346 S. Beretania St. B.A., University of Hawaii, 1935. (History)
Okabe, Charles J., 3366-I Kanaina Ave. Ed.B., University of Hawaii, 1934. (Education)
Okabe, Daisy S., 3366-I Kanaina Ave. Ed.B., University of Hawaii, 1934. (Education)
Okamura, Hayako, Laupahoehoe, Hawaii; 1818-C S. King St. Ed.B., University of Hawaii, 1936. (Education)
Okamura, Haruko, Box 15, Keaou, Kona, Hawaii; 211 Magellan Ave. B.A., University of Hawaii, 1936. (Education)
O'Meara, Helen Frances, Beach Walk Inn. A.B., Oklahoma University, 1925. (Education)
Pahau, Robert, Keaou, N. Kona, Hawaii; 1238 Wilhelmina Rise. B.S., College of Hawaii, 1918. (Plant Physiology)
Pipi, Helen Chow, Pepeekeo, Hawaii; 1033-E Palama Lane. Ed.B., University of Hawaii, 1933. (Education)
Powell, Lucie E., 2144 Lanihi Dr. B.A., University of Hawaii, 1931. (History and Political Science)
Pung, Dora Lee, 2130 So. Beretania St. A.B., San Francisco State Teachers College, 1933. (Education)
Rice, Richard E., 1336 Lunaiilo St. B.A., Pacific Union College, 1932. (History)
Ross, Dorothy C., 312 Brookes Ave, San Diego, Calif.; 2407-B Clevel Dr. B.A., San Diego State Teachers College, 1926. (Education)
Sasaki, Louise Yoshi, 1245 Elm St. B.A., University of Hawaii, 1936. (Social Work Training)
Satterlee, Mary Sproat, 920—11th Ave. B.A., University of Hawaii, 1932. (Social Work Training)
Simmons, Jacob A., 1409 Makiki St. A.B., Pacific Union College, 1925. (Education)
Skamfer, Robert H., 1613 Emery St., East Claire, Wisc.; Johni School. B.Ed., Eau Claire State Teachers College, 1936. (Education)
Smith, Clare Stevenson, 2228 Kalua Way. B.A., Park College, 1912. (Education)
Smith, Florence Maile, 3360 Alokea Ave. B.A. University of Hawaii, 1934. (Education)
Smith, M. Elizabeth, 2211 Mohala Way. B.A., University of Washington, 1935. (Sociology)
Soon, Dorothea Yee, Kohala, Hawaii; 2525 Rooko Ave. B.A., University of Hawaii, 1936. (Education)
Souza, Esther, 1377 Lusitana St. B.A., University of Hawaii, 1933. (Education)
Streeter, Walter G., Kamchatka Boys School. B.S., Springfield College, 1932. (Sociology)
Strickler, Helen M., 814 Green St. A.B., Wilson College, 1913. (Education)
Suga, Hajime, 1533 Lusitana St., Ed.D., University of Hawaii, 1923. (Education)
Sumiui, Lucy E., 2144 Lahu. B.S., University of Hawaii, 1937. (Agriculture)
Tachera, Rita Corte, 2457 Puunui Ave. Ed.B., University of Hawaii, 1936. (Education)
Taira, Yoshiro, 1914-D Bingham St. B.A., University of Hawaii, 1937. (Zoology)
Tak, Richard K., 1937—7th Ave. B.A., University of Hawaii, 1933; M.S., University of Hawaii, 1934. (Botany)
Tanaka, Taro, Box 545, Kealakekua, Hawaii; 1018 McCully St. B.A., University of Hawaii, 1937. (Business)
Tanaka, Mary, 2032 Makiki St. B.A., Whitman College, 1915. (English)
Tom, Edna K. W., 2131 Date St. Ed.B., University of Hawaii, 1933. (Education)
Tyaun, Henry T. Y., 2344 Makinan Dr. Ed.B., University of Hawaii, 1934. (Education)
Uechida, Hannah Sakai, 3324 Kaimuki Ave. B.A., University of Hawaii, 1924. (Education)
Uehara, John, 115 Ohuhu Lane. B.A., University of Hawaii, 1936. (Economics)
Van Cleve, Margaret, 247 Ohu Ave. B.A., University of Utah, 1925. (Education)
Wakefield, Elizabeth S., 833 N. Hill Ave, Pasadena, Calif.; 1820 Anapuni St. B.A., Hiram College, 1925. (Sociology)
Wallace, Patricia, 2157 Atherton Rd. B.A., University of Hawaii, 1933. (Sociology and Education)
Watruss, Margaret, 2120 Lanihi Dr. B.A., University of Hawaii, 1936. (Social Work Training)
Welch, James Edward, 337 Grand Blvd., San Mateo, Calif.; Hawaii Agricultural Experiment Station. B.S., University of California, 1934; M.S., University of California, 1935. (Agriculture)
Wong, Ah Chow C., 240 N. School St. Ed.B., University of Hawaii, 1935. (Education)
Wong, Horlan, 428 No. Vineyard St. B.A., University of Hawaii, 1934. (Sociology)
Wong, Kam Sing, 2012 Pacific Heights. B.A., University of Hawaii, 1935. (Education)
Yamachika, Takeo, 1629 Waikakahalu Lane. B.A., University of Hawaii, 1932. (English)
Yap, Francis T. C., 3465 Waialae Ave. B.S., University of Hawaii, 1931. (Zoology)
Yasutake, Thelma C., 1347 Gulick Ave. Ed.B., University of Hawaii, 1935. (Education)
Yoshioka, Umeyo Hirotu, 3143 Paluli St. B.S., University of Hawaii, 1933. (Education)
Young, Liley B. L., Box 342, Hilo, Hawaii. B.A., University of Hawaii, 1933. (Geography)
Zane, Laura L., 4405 Sierra Dr. B.Ed., University of California at Los Angeles, 1928. (Education)
COLLEGE OF ARTS AND SCIENCES

The first figure following a student's name indicates grade points earned, the second figure semester hours earned at the University of Hawaii; figures in parentheses indicate advanced standing credits allowed from other institutions. Roman numerals indicate class—I Freshman, II Sophomore, etc.

Ahuna, Augustine, 229, 97% (III Econ. & Bus.) 1459 Lusitana St.
Aitken, Robert B., 81, 41 (II Soc. Sci.) Box 2671, Honolulu.
Akaka, Allen L., 225, 85% (III Soc. Sci.) 2005-A Ladd Lane
Akama, Karl T., 8, 7 (I Econ. & Bus.) 451 John Ewa Rd.
Aki, George K., 131, 54 (II Pre-Legal) Kaunakakai, Molokai; 2027 Dillingham Blvd.
Akutagawa, Wallace I., 98, 47 (II Econ. & Bus.) Box 72, Kapaa, Kauai; 1707 Anapuni St.
Amalu, Francis W. Jr., 76, 36 (II Lang., Lit. & Art) 161 Liliuokalani Ave.
Amoy, Helene, (30) 19, 12 (I Pre-Merl.) 2237 Liliha St.
Anaya, Susumu, (2) 14, 17 (I Econ. & Bus.) 746 McCully St.
Ayer, Mason, (47) 108, 42 (III Soc. Sci.) 5924 Chabolyn Terrace, Oakland, Calif.; 1061 Kaili St.
Bach, Frances R., (64) 39, 14 (III Soc. Sci.) Hickam Field
Baker, Hobart A., 213, 86 (III Econ. & Bus.) 1821-B Liliu St.
Baldwin, Wanda L., 33, 15 (I Lang., Lit. & Art) 2850 Kahawai St.
Barnes, Betsy, 86, 42 (II Lang., Lit. & Art) 166 Liliuokalani Ave.
Baehl, Frances R., (64) 39, 14 (III Lang., Lit. & Art) 1555 Wilder Ave.
Bergen, Muriel M., 36, 15 (IV Econ. & Bus.) 2872 Manoa Rd.
Borgmann, Barbara E., 314, 119 (IV Lang., Lit. & Art) 1354 Wilder Ave.
Broussard, Francis M., Jr., 53, 36 (II Pre-Legal) 520 Wylie St.
Browning, Hing K., 24, 16 (I Lang., Lit. & Art) 3145 Huelani Dr.
Buchart, Jean E., 34, 17 (I Econ. & Bus.) 2151 Atherton Rd.
Bunno, J., 41, 17 (I Econ. & Bus.) South Bend, Wash.
Bustard, John W., 41, 17 (I Econ. & Bus.) 1247 River St.
Carter, Marjorie T., 39, 14 (I Econ. & Bus.) 2353 Ala Wai Blvd.
Caton, Jean M., 296, 116 (IV Lang., Lit. & Art) 2370 Nuuanu Ave.
Chan, Ellen S. S., 264, 109 (IV Lang., Lit. & Art) 1258 Hall St.
Chang, Dei Jing, 127, 57 (II Pre-Med.) 1613 Houghtaling St.
Chang, Hing Lin, 295, 131 (IV Econ. & Bus.) 370 N. King St.
Chang, How Tim, 34, 15 (I Econ. & Bus.) 1569 Metcalf St.

163
University of Hawaii

Chang, Peter H. Jr., 76, 38 (II Soc. Sci.) Box 271, Hilo, Hawaii; Hawaii School of Religion.

Chang, Theodore C. K., 48, 33 (I Econ. & Bus.) 21st Infantry Restaurant, Schofield Barracks; 2031-C Beretania St.

Chee, Hon Chung, 102, 46 (II Econ. & Bus.) 27 McGrew Lane

Chikasu, Clesson Y., 45, 16 (I Econ. & Bus.) 4616 Sierra Dr.

Chikau, Cyril E., 39, 17 (I Soc. Sci.) 50 S. King St.

Ching, Calvin K. H., (I Econ. & Bus.) Hauula, Oahu (Withdraw)

Ching, Daniel K. F., 84, 48 (II Econ. & Bus.) 520 Analu St.


Chou, Norma C., 99 (II Econ. & Bus.) 1420 Palama St.

Cho, Summer, 36, 15 (I Econ. & Bus.) Box 9, Houluoloa, Hawaii; 1707 Apanui St.

Chollar, George B., 308, 119 (IV Soc. Sci.) 1531 Kewalo St.

Chong, Reynold H. F., 50, 37 (II Econ. & Bus.) 3032 Hinano St.

Chun, Cary K. L., 313, 125 (IV Soc. Sci.) 2 Hilo St.


Chun, Kenneth C. N., 99, 52 (II Econ. & Bus.) 1613 Nuuanu St.

Chung, Wai C., 129, 52 (II Soc. Sci.) 1800 B St.

Chung, John, 251, 116 (IV Pre-Med) 803 Gulick Ave.

Chung, Kayo R., 95, 4 (II Econ. & Bus.) 3243 Castle St.

Chung, Norman, 130, 53 (II Pre-Legal) 817-10th Ave.

Chu, Bernice W., 74, 37 (II Econ. & Bus.) 1530 Nehoa St.

Clark, William M., 2, 2 (I Soc. Sci.) 1704 Crescent Dr., Hannibal, Mo.; 2020 Makiki St.

Clarke, James C., 42, 17 (I Econ. & Bus.) 3717 Mamilahoe Rd.

Cockburn, Katherine J., 209, 88 (III Soc. Sci.) Waipahu, Oahu

Cockett, Beatrice N., 44, 28 (II Soc. Sci.) Paia, Maui; 2396 Prince Edward St.

Cockett, Lanie L., (I Econ. & Bus.) Paia, Maui; 712—6th Ave. (Withdraw)

Cochran, Paul, 39 (II Soc. Sci.) Waialua, Oahu

Cockett, Herbert, 13, 6 (I Econ. & Bus.) Wailuku, Maui; 1527 Evelyn St.


Collins, Marion, 25, 34 (III Econ. & Bus.) 3444 Judd St.

Collins, N. W., (II Soc. Sci.) 3875 Lurline Dr.

Conchee, Wenumah A., 0, 0 (I Nat. & Phys. Sci.) 2555 Makana Dr.

Cormack, Dora L., 26, 16 (I Econ. & Bus.) Box 165, Waipahu, Oahu

Correa, Genevieve B., 57, 18 (I Lang., Lit. & Art) 1413 Waiman St.

Coulson, Genevieve N., 51, 17 (I Lang., Lit. & Art) 3021 Vista Pl.

Coxhead, Ellen W., 147, 52 (II Lang., Lit. & Art) 1932 Awapuhi St.; Box 2882 Honolulu

Cristy, Jessamine P., 30, 14 (I Lang., Lit. & Art) 2120 Kamehameha Ave.

Crowell, Elsie K., 245, 112 (IV Econ. & Bus.) Waimea, Kaui; 597 S. King St.

Cruickshank, Jonath K., 17, 13 (I Econ. & Bus.) 636 Wylie St.

Cullen, Lauren E., 254, 42 (II Lang. & Lit., Art) 1041—6th Ave.

Dane, Hannah C., (453, 25, 14 (II Lang. & Lit.) Box 106, Paia, Maui; 51 Hilo St.

Dang, Vernon C., 21, 17 (I Econ. & Bus.) Box 36, Paia, Maui; 51 Hilo St.

Desha, Adolph H., 236, 114½ (IV Econ. & Bus.) 1544 Kilauea Ave., Hilo, Hawaii; Atherton House

De Silva, Joseph, 110, 67 (II Soc. Sci.) 1726 Fernandez St.

Devereux, Pershing W., 52, 17 (I Pre-Legal) 1479 Thurston Ave.

Deverill, Edward C., 57, 31 (I Lang., Lit. & Art) Hamakua, Kaui; 2757 Puhonuha St.

Devor-Norton, Joan H., 110, 45 (II Soc. Sci.) 2464 E. Manoa Rd.

Dewa, Robert Y., 76, 42 (II Soc. Sci.) 449 Kuakini St.

Dias, Ernest A., (19) (I Econ. & Bus.) 3790 Sierra Ave. (Withdraw)

Dillingham, John H., 397, 41 (II Soc. Sci.) 3187 Diamond Head Rd.

Dodge, Beverly A., (33) 33, 13 (II Lang. & Lit.) 2658 Oahu Ave.

Dow, Barbara A., 28, 13 (I Econ. & Bus.) 2858 Kahului St.

Drake, Violet E., 30, 11 (I Lang. Lit. & Art) 1737 Kaua‘ St.

Drum, Anna C., (15) 125, 35 (II Nat. & Phys. Sci.) Fort Shafter

Duvauchelle, Mary K., 46, 17 (I Soc. Sci.) 2010 Puuolu St.

Dyson, James W., 3790½, 1314½ (IV Pre-Legal) 1928 Komaia Dr.

Eggleston, Herbert J., (I Soc. Sci.) Rt. 7, Box 930, Portland, Ore.; 2214 N. King St.

Elam, Benedict, 60, 34 (I Econ. & Bus.) Hilo, Hawaii; 1527 Evelyn St.

Enomoto, Fujie, 39, 16 (I Soc. Sci.) Box 21, Pahala, Kau, Hawaii; 1448 Keeaumoku St.

Espinda, Alfred A. P., 243, 109 (IV Econ. & Bus.) 2115 Coyne St.

Esposito, Othello V., 305, 19 (IV Pre-Legal) 3023-A Kalakaua Ave.


Fernandez, George D., 77, 42 (II Econ. & Bus.) Kekaha, Kaui; 1731 Mikahana Way

Filer, Hilary, 45, 20 (II Lang., Lit. & Art) 2520 Waipio Ave.; 2125 Atherton Rd.

Finn, Paul Jr., 30, 17 (I Soc. Sci.) 2512 Waipani Ave.

Fishel, Frank S., 4, 2 (I Econ. & Bus.) 952 Prospect St.

Flemmiken, Bette, 28, 14 (I Lang., Lit. & Art) Pierce Ave., Hamburg, N. Y.; 2703 Rooko Ave.

Fong, Henry, 22, 10 (I Econ. & Bus.) 2191 N. King St.

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Nakahara, Saho, Puunene, Maui; 3035 Haunani St.  
Nakano, Ruth, Hin·Clarke Dairy  
Nakano, Jane, Oahu  
Nishimura, Henry, Lahainaluna High School, Lahaina, Maui; 1725 So. King St.  
O'Kane, Arthur P., 1130 Printers Lane  
Ooka, Hiroshi, Honokaa, Hawaii; 711 S. King St.  
Packer, Woodrow, Box 48, Kahului, Maui; 271 Auwaiolimu Rd.  
Pohlmann, Helen, 206 San Antonio Ave.  
Ragbir, Sarlie K., 3490 Hayden St.  
Robinson, William T. Jr., 1118 Hassinger St.  
Ross, Doris, 910—14th Ave.  
Santoki, Yuriko, Hilo, Hawaii; 1616 Nuuanu Ave.  
Shinod~ Dorothy H., 912 Pumehana St.  
Song, Arthur F., 1130 Printers Lane  
Sun, Vivian K. O., 1213 Keeaumoku St.  
Suzuki, Richard S., Eleele, Kauai  
Takahashi, Yoshiko, Box 1193, Hilo, Hawaii; Box 1135, Honolulu  
Takagi, Chiyoko, Box 1160, Hilo, Hawaii; 1616 Nuuanu Ave.  
Takahashi, Sales, Wahilawa, Oahu; 615 S. Beretania St.  
Tanna, Rose H., 1511 Chung Hoon Lane  
Thoene, Margaret, 640 Hawaii St.  
Tya~ Florence Y., 2884-D Waialae Ave.  
Tyau, Lily H., 3101 Monsarrat Ave.  
Ueoka, Noriyuki, Paia, Maui; 1725 So. King St.  
Ueki, Aileen K., 2534 Cooke Ave.  
Uemura, Cecilia, 1562 Pensacola St.  
Vieira, Dorothy, Honokaa, Hawaii; 597 S. King St.  
Vieira, Matilda, Honokaa, Hawaii; 597 S. King St.  
Welch, Sarah K., Box 813, Hilo, Hawaii; 597 S. King St.  
Wong, Florian S. K., 717—20th Ave.  
Wong, Sau G~ 717—20th Ave.  
Yamamoto, Yuri, Hilo, Hawaii; 1616 Nuuanu Ave.  
Young, Florence W. K., 1568 Auld Lane
Register of Students

The first figure following a student's name indicates grade points earned, the second figure semester hours earned at the University of Hawaii; figures in parentheses indicate advanced standing credits allowed from other institutions. Roman numerals indicate class—I Freshman, II Sophomore, etc.

Abe, Erythel Y., 176, 82 (III) Box 184, Wahiawa, Oahu
Abe, Shugo, (33) 262, 97 (IV) Mid-Pacific Institute
Aina, Charles H., 301, 132 (IV) Kealakekua, Kona, Hawaii; 31 Pawale Lane
Aiona, Luis L., 31, 18 (I) 1362-M S. Beretania St.
Akana, Mildred Y., 44, 18 (I) Box 695, Wailuku, Maui; 1616 Nuuanae Ave.
Aki, Ruth A., 29, 18 (I) 781 Kapa'a, Kauai; Women's Dormitory
Aki, May, 35, 17 (I) 1304-7th Ave.
Aka, May, 35, 17 (I) 1304-7th Ave.
Aka, Ethel, 34, 17 (I) 1304-7th Ave.
Aka, Kam, 235, 87 (III) 989 Akepo Lane
Aka, Kim Chun, 118, 50 (II) 989 Akepo Lane
Awai, Eleanor, 96, 52 (II) Mahukona, Hawaii; St. Andrew's Priory
Awai, Mildred, 35, 17 (I) Mahukona, Hawaii; St. Andrew's Priory
Awana, Harriet, 26, 14 (I) 3233 Monsarrat Ave.
Awana, Ivy, 152, 108 (IV) 1220 Kapiolani Blvd.
Bento, Stanley F., 301, 128 (IV) Wailuku, Maui; 1843-F Naopala Lane
Bricker, Ruth M., (93) 45, 17 (IV) 1503 Meyers Ave.
Burgess, Kaliko M., 91, 48 (II) 1119-B Banyan St.
Burgess, Kaliko M., 91, 48 (II) 1119-B Banyan St.
Camara, Florence M. A., 170, 89 (III) Box 81, Spreckelsville, Maui; 3515 Kilauea Ave.
Carroll, Juliet C., 31, 14 (I) 822 Ocean View Dr.
Chang, Beatrice F., 44, 18 (I) 1507 Philip St.
Chang, Bernice S., 101, 50 (II) 210 Azores St.
Chang, Dorothy L., 304, 103 (III) 736-6th Ave.
Chang, Irene Y. L., 121, 52 (II) 1139-9th Ave.
Chee, Betty D. M., 56, 29 (II) 1119-B Banyan St.
Ching, Constance K. C., 137, 54 (II) Kapaa, Kauai; 3442 Kealani St.
Ching, Flora A., 38, 17 (I) Box 236, Port Allen, Kauai; 1416-E Lunahilo St.
Ching, Kim Young, 223, 93 (III) 100 S. Vineyard St.
Ching, Laura A., 46, 18 (I) Hanalei, Kauai; 3401 Maunaloa Ave.
Ching, Lorraine K., 313, 117 (IV) 1416-E Lunahilo St.
Ching, Mew Kun, 92, 39 (II) 1119-B Banyan St.
Ching, Nyuk Shin, 316, 124 (IV) 3110 Winam Ave.
Chong, Evelyn E. Y., 35, 18 (I) 2450-10th Ave., Palolo
Chong, Hazel N. Y., 312, 139 (IV) 1420 Lunahilo St.
Chong, Wing Kong, 43, 17 (I) Box 242, Hilo, Hawaii; Atherton House
Chuck, Amy Y. N., 51, 18 (I) 928 Cedar St.
Chuck, Ernell, 134, 52 (II) 942-B 8th Ave.
Chuck, Harry Y. C., 322, 123 (IV) 928 Cedar St.
Chuck, John W., 40, 18 (I) 1021 Nuuanae Ave.
Chuck, Anna Y. I., 42, 18 (I) 570 Keawe St.
Chuck, Dora E., 132, 49 (II) 3910 Kaimuki Ave.
Chuck, Elsie K. W., 186, 86 (III) 3415 Waialae Ave.
Chuck, Kan Chee, 276, 90 (III) 73 New Era Lane, Fort St.
University of Hawaii

Chun, Lydia C. P., 300, 123 (IV) Box 24, Kaukiahela, Hawaii; 1424—10th Ave.
Chun, Ruby K. S., 190, 87 (III) 1018 Nuuanu St.
Chun, Sing Chan, 61, 20 (I) 409 Paahala Lane
Chun, York Kwai, 50, 18 (I) 1033-C Wotler Lane
Chung, Betty, 33, 59 (III) Box 28, Koloa, Kauai; 1358 Alapai St.
Chung, Huggo, 33, 18 (I) Box 87, Puh, Kauai; 2161 Kaimuki Ave.
Dao, Cooper, Haunani K., 146, 52 (II) Hana, Maui; 3370 Maunaloa Ave.
Dagor, Keith A., 50, 19 (I) C/o Room Service, Royal Hawaiian Hotel
Dakolkos, 58 (IV) 942 Makahiki Way
D'Arraujo, Beatrice, 276, 115 (IV) Papaikou, Hawaii; 1621-D Keaumoku St.
Davis, Violet L., 15, 100 (I) 1943 West End Ave., Chicago, Ill.; 2246
Waikolu Way
De Mello, Florence, 238, 114 (IV) 3462 Hardesty St.
Dee, Robert E., 230, 72 (II) 2045-A Lanihuli Dr.
Duker, Berta van H., 196, 66 (III) 2115 Dammon St.
Dunn, Marie M. G., 43, 17 (I) 1835 Fort St.
Emoto, Kuulei H., 54 (II) Mountain View, Hawaii; Waiau, Oahu
Fung, Charles, 39, 10 (I) Kukuihaele, Hawaii; 1616 Nuuanu St.
Furukawa, Kabnewai Akiko, 151, 54 (II) 1302 Alakeakua Ave., Kona, Hawaii
Gomes, Marjorie K., 121, 52 (II) 1030—12th Ave.
Gomes, Beatrice J. Y., 203, 91 (II) 2191 N. King St.
Gong, Phyllis B. K., 41, 18 (I) 45-A S. Kuakini St.
Fujimoto, Yoshio, 54, 17 (I) 1053 Kinoole St., Hilo, Hawaii; 1018 McCully St.
Fukuda, Eiichi, 54, 18 (I) Box 55, Papaikou, Hawaii; 1756-A Waiola St.
Fukuda, Doris M., 60, 18 (I) 20 Peleula Lane
Fukuda, Kyoko, 99, 51 (II) 1018 Nuuanu St.
Furuya, Judo, 379, 129 (IV) 1095 Spencer St.
Fung, Charles T., 249, 121 (IV) 3123 Kaimuki Ave.
Furtado, Phoebe K., 230, 82 (III) Laajaba, Maui; 1220 Farrington St.
Fuller, Viola L., 379, 114 (IV) 3462 Hardesty St.
Durneuville, Sophie, 309, 119 (IV) Mountain View, Hawaii; Waianae, Oahu
Haga, Inuhi, 16, 12 (I) Kukuihaele, Hawaii; 1424-10th Ave.
Hamamoto, Marguerite, 113, 82 (II) Box 314, Waimea, Kauai; 1163 Maunakea St.
Hamada, Yasuko, 146, 52 (II) 4843 West McEwan St.
Hama, Mitsie M., 125, 52 (II) Pauwela, Maui; 1727 Fort St.
Hama, Shigeno, 146, 52 (II) 805 Haleakauwia St.
Hana, Ritsuyo, 340, 131 (IV) Kealia, Kauai; 1448-D Emma St.
Han, John D., 239, 91 (III) Box 141, Honokaa, Hawaii; 2757 Puuhonuia
Harris, Oliva L., 65, 21 (IV) 2757 Kahawai
Haseo, Marguerite T., 1318 McCully St. (Withdraw)
H'f. H. Yuhibe, 16, 12 (I) Box 1242, Hilo, Hawaii; Women's Dormitory
Hayaishida, Helen, 309, 119 (IV) 3462 Hardesty St.
Hayashi, Helen S., 48, 18 (I) Paia, Maui; 1817 Keaumoku St.
Hc'rc, Bernice, 46, 18 (I) 2051 Clement St.
Hill, Takuo K., 12, 1 (I) Lahaina, Maui; 1616 Nuuanu St.
Hill, Ann, 176, 58 (IV) 2045-A MacDonald Hotel, Honolulu
Hino, Akiko, 151, 54 (II) Box 265, Wahiawa, Oahu; 1203 Rycroft St.
Hira, Ritumu, 340, 131 (IV) Kealii, Kauai; 1448-D Emma St.
Hol, Box 173, Wahiawa, Oahu; 1525 Liholihi St.
Ho, Florence A. K., 35, 18 (I) Box 60, Hanalei, Kauai; 2719 Puuhonua St.
Ho, Lorna, 36, 20 (I) 1431 Kewalo St.
Honda, Tomiko, 110, 52 (II) Wahiawa, Oahu; 1735 Anapuni St.
Hong, Blanche, 179, 82 (III) 10 Iliahi St.
Hong, Edith K. S., 249, 86 (III) Box 79, Hilo, Hawaii; 555—10th Ave.
Hong, Gladys C. H., 105, 50 (II) 10 Iliahi St.
Honma, Haruo, 43, 18 (I) Haina, Hawaii; 2137 Algaroba St.
Hook, Anne Z., 286, 120 (IV) 2151 S. King St.
Hoshino, M., 326, 119 (IV) 1196 Young St.
Hustace, Edward C., 313, 128 (IV) 1638 Young St.
Iked, Kenzo, 14, 17 (I) Puunene, Maui; Akertou Residence
Inui, Janet K., 141, 52 (II) 334 N. Vineyard St.
Inada, Helen M., 184, 52 (II) Box 61, Kahului, Maui; 1930 Ventura St.
Inamine, Shizuo, 113, 52 (II) Box 314, Waimae, Kauai; 1163 Maunakea St.
Inn, Martha Y. C., 295, 124 (IV) 1136—8th Ave.
Inn, Agnes M. S., 47, 18 (I) 1513 Lusitana St.
Iwamoto, Aiko, 124, 52 (II) 942 Makahiki Way
Iwamoto, Mary R., 19, 14 (I) 1300 Kinole St., Hilo, Hawaii; 597 S. King St.
Kagawa, Naka, 25, 14 (I) Box 170, Waimae, Kauai; 2442 Sonoma St.
Kahananui, Dorothy A., 62, 18 (I) 1939 Akuula St.
Register of Students

Kaiama, Maidie K., 29, 17 (I) Hana, Maui; 104 Coelho Way
Kam, Ethel Y. L., 38, 18 (I) 1246 Palolo Ave.
Kam, Katherine, 122, 50 (III) 810 Puhemahna
Kamaikaiwai, Lei D., 83, 81 (II) 80 Kinau Lane, Hilo, Hawaii; Kaulihome Lane
Kamakau, Cornelia K., 29, 14 (I) 3424 Kaimuki Ave.
Kameda, Gladys H., 251, 120 (II) 1231 Wilder Ave.
Kamakau, Lei D., 206, 83 (III) 80 Kinau Lane, Hilo, Hawaii; Kaulihome Lane
Kane, Ethel Y. I., 38, 18 (I) 1246 Palolo Ave.
Kamakau, Cornelia K., 29, 14 (I) 3424 Kaimuki Ave.
Kameda, Gladys H., 251, 120 (II) 1231 Wilder Ave.
Kanai, Ethel Y. I., 38, 18 (I) 1246 Palolo Ave.
Kawamoto, Joyce N., 318, 120 (IV) 916-A Hausten St.
Kawamura, Matsuyo, 46, 18 (I) 1227 Pua Lane
Kawano, Helen H., 257, 86 (III) Box 35, Pearl City, Oahu; 211 Magellan St.
Kawana, Yoshiko 1., 34734, (IV) Waialua, Oahu; 901·C Coolidge St.
Katashima, Shizue, 66, 18 (I) 3337 Campbell Ave.
Katekaru, Ray T., 42, 18 (I) Box J.43t.,. Keahua, Maui; 2757 Puuhonua St.
Kau, Esther I., 338, 126 (IV) 2430 Kooke Ave.
Kau, Thelma K., 53, 11 (I) 1822·1 Harvey Lane
Kaulukukui, Thomas, 245, 95 (III) 744 Bannister St.
Kawahara, Edwin I., 162, 53 (II) Box 225, Waipahu, Oahu; Atherton House
Kawamoto, Joyce N., 318, 120 (IV) 916-A Hausten St.
Kawamura, Matsuyo, 46, 18 (I) 1227 Pua Lane
Kawano, Helen H., 257, 86 (III) Box 35, Pearl City, Oahu; 211 Magellan St.
Kawana, Yoshiko 1., 34734, (IV) Waialua, Oahu; 901·C Coolidge St.
Kawashima, Chiyono, 287, 122 (IV) Box 18, Kohala, Hawaii; 1616 Nuuanu Ave.
Kay, Frances K., 279, 125 (IV) 3118 Harding Ave.
Kendrick, Hattie M., 311, 118 (IV) 904 Lunalilo St.
Kenney, Kaleialoha Vi., 381, 136 (IV) 3247 Charles St.
Kim, Annie Y., 126, 14 (II) Box 231 Wahiawa, Oahu
Kim, Bong Soon, 37, 18 (I) 98 Ponohawai St., Hilo, Hawaii; 1601 Lusitana St.
Kim, Clara N., 131, 124 (IV) 1111 McCully St.
Kim, Bok Hee, 35, 18 (I) 1622 Pohaku St.
Kim, Clara N., 131, 124 (IV) 1111 McCully St.
Kim, Eunice W. Y., 110, 49 (II) 62 Hialoa St.
Kim, Estelle F., 182, 57 (II) 1098 S. Beretania St.
Kim, Eunice W. Y., 110, 49 (II) 62 Hialoa St.
Kim, Mildred, 182, 57 (II) 1098 S. Beretania St.
Kim, Richard, 287, 122 (IV) Box 18, Kohala, Hawaii; 1616 Nuuanu Ave.
Kim, Rosemary N. S., 279, 133 (IV) 943 Ahana Lane
Kim, Sarah, 27, 18 (I) 1227 Pua Lane
Kim, Shizue, 66, 18 (I) 3337 Campbell Ave.
Kim, Victoria, 110, 49 (II) 62 Hialoa St.
Kim, William C. W., 157, 93 (III) 1301 Lusitana St.
Kim, Mildred, 182, 57 (II) 1098 S. Beretania St.
Kim, Bok Hee, 35, 18 (I) 1622 Pohaku St.
Kim, Rosemary N. S., 279, 133 (IV) 943 Ahana Lane
Kim, Richard, 287, 122 (IV) Box 18, Kohala, Hawaii; 1616 Nuuanu Ave.
Kim, Rosemary N. S., 279, 133 (IV) 943 Ahana Lane
Kim, Sarah, 27, 18 (I) 1227 Pua Lane
Kim, Shizue, 66, 18 (I) 3337 Campbell Ave.
Kim, Victoria, 110, 49 (II) 62 Hialoa St.
Kim, William C. W., 157, 93 (III) 1301 Lusitana St.
Kim, Mildred, 182, 57 (II) 1098 S. Beretania St.
Kim, Bok Hee, 35, 18 (I) 1622 Pohaku St.
Kim, Rosemary N. S., 279, 133 (IV) 943 Ahana Lane
Kim, Richard, 287, 122 (IV) Box 18, Kohala, Hawaii; 1616 Nuuanu Ave.
Kim, Rosemary N. S., 279, 133 (IV) 943 Ahana Lane
Kim, Shizue, 66, 18 (I) 3337 Campbell Ave.
Kim, Victoria, 110, 49 (II) 62 Hialoa St.
Kim, William C. W., 157, 93 (III) 1301 Lusitana St.
Kim, Mildred, 182, 57 (II) 1098 S. Beretania St.
Kim, Bok Hee, 35, 18 (I) 1622 Pohaku St.
Kim, Rosemary N. S., 279, 133 (IV) 943 Ahana Lane
Kim, Shizue, 66, 18 (I) 3337 Campbell Ave.
Kim, Victoria, 110, 49 (II) 62 Hialoa St.
Kim, William C. W., 157, 93 (III) 1301 Lusitana St.
University of Hawaii

Yang, Ella P. S., 214, 84 (III) Box 178, Wahiawa, Oahu; (1229—15th Ave.
Yap, Irene S. H., 172, 53 (II) 1504 Liblifo St.
Yee, Constance, 28, 14 (I) 233 S. Vineyard St.
Yee, Sue Tong, 43, 17 (I) 1641 Nutama St.
Yim, Agnes A., 60, 16 (I) 1234 Mallock Ave.
Yim, Charlotte Y. L., 61, 17 (I) 804—10th Ave.
Yim, Emma C., 388, 130 (IV) 1625-D Liliha St.
Yong, Patsy Y. K., 262, 127 (IV) 2019 Bingham St.
Yoshida, Harriet T., 124, 53 (II) 1902 Bingham St.
Yoshinaga, Yoshimi, 222, 118 (IV) 1749 Young St.
Yoshizawa, Hiroshi, 56, 16 (I) Spreckelsville, Maui; 1518 Piikoi St.
Young, Bernice Y. K., 50, 19 (I) 617 N. School St.
Young, Estelle F., 36, 15 (I) 2016 Ladd Lane
Young, Hoon Yee, 25, 15 (I) Box 41, Wahiawa, Oahu
Young, Marilyn A. F., 34, 18 (I) 1759 Fort St.
Zane, Margaret F., 254, 117 (IV) 935 Koko Head Ave.
UNCLASSIFIED STUDENTS

(These are for the most part mature people, many of them teachers in service, who, because of regular duties are unable to carry a full-time program of University work, but who are continuing their studies along the lines of their interests.)

Abrehamsen, Elizabeth K., 1124-B Davenport St.
Adams, Minnie, 1903 Liliha St.
Al, Frances L., 4103 Maunaloa Ave.
Aiu, Alice C., 4224 Sierra Dr.
Akana, Florence H., 2327 S. Beretania St.
Akana, Gretchen L., 74 Robinson Lane
Aki, Kan Lau, 4276 Sierra Dr.
Akimo, Mary F., 2120 Wilder Ave.
Akina, Cecelia S., 3890 Sierra Dr.
Akina, Grace K., 931-C Hala Dr.
Akina, Rebecca G., 4461 Sierra Dr.
Akawi, Helen, 3228 Esther St.
Alexander, Frank E., San Francisco, Calif.; Schofield Barracks
Almeida, Eva R., 1151-A 5th Ave.
Aghag, Mary, c/o Univ. of Hawaii Poultry Division
Anthony, Dorothy M., Pacific Heights Rd.
Antone, Rosalind K., Hecia, Oahu
Aralaki, Yasuo, 2127-A Kamehameha Ave.
Ara, Emily, 2724 Lowrey Ave.
Au, Irene Y., 1308 Luani St.
Au Hoy, Norman T., 1520 Liliha St.
Austin, Margaret S., 2452 Kukiho Ave.
Aveci, Angesles M., 263 Mokaua St.
Ayres, Wallis H., Moana Hotel Staff
Axtell, Faith W., 1044—3rd Ave.
Badger, Hilda, 1233—11th Ave.
Baigent, Edith A., 41 Kings Cresc., Lower Hutt, Wellington, New Zealand; Nurses Home, Queen's Hospital
Baker, Esther L., 803—11th Ave.
Baker, Ruth H., Pleasantville, N. Y.; Kamehameha Schools
Baker, William J., R 5 Box 339A, Denver, Colorado; Squadron VP1F, F.A.B., Pearl Harbor
Baker, William K., 1936 Wilder Ave.
Bapiste, Wilfrid L., 1014—2nd Ave.
Barbour, Celestine S., Luke Field
Barboza, Pauline, 1532 Nobrega St.
Barrette, Elizabeth B., Niumalu Hotel
Batchelor, Brenda, 19, Nevada St., Redlands, Calif.; 145-A Liliuokalani
Becker, Mabel D., 1931 S. W. 14th, Portland, Ore.; Waipahu, Oahu
Beers, Rosemary M., 1472 Thurston Ave.
Berg, Karl H. Waipahu, Oahu; H. S. P. A. Experiment Station
Better, Mary T., 1133—11th Ave.
Betts, Charlotte, 1545 Kewalo St.
Blair, Robert M., 341 Wayne Ave., Lansdowne, Penn.; 19th Inf., Schofield Barracks
Blanchard, Mary D., Fort Shafter
Blomfield-Brown, Bertha, 2544 E. Mauoa Rd.
Bowen, Janice, 389-E N. Broadway, Columbus, Ohio; Fernhurst
Boyd, Julia S., 3280 Winam Ave.
Branco, Margaret F., 1478 Thurston Ave.
Braue, Olive L., 2664 Kasiu Ave.
Brightman, Frederick Jr., 2769 Sierra Dr.
Brownlowe, Virginia, 905 Kinaw Ave.
Buchanan, Elizabeth, Lahaina, Maui; 2410-B E. Mauoa Rd.
Bunch, Tillman, 3036 Woodlawn Dr., Washington, D. C.; Box 1115, Fort Shafter
Burmeister, Tamara, Kamehameha Boys School
Burns, Pearl M., 2449 Alawai Blvd.
Cabrals, Emily F., 3429 Harding Ave.
Carmichael, Frank H., 2326 Oahu Ave.
Carson, Dorothy, 1707 Anapuni St.
Carson, Theima D., 1707 Anapuni St.
Carter, Beatrice F., 3612 Sierra Dr.
Castle, Donald, 2550 Nuuanu Ave.
Chai, Gertrude L. T. L., 154 Bertram St.; 1150 N. King St.
Chambers, Laura, 1945 Makiki St.
Chang, Beatrice S. K., 1068 Kinau St.
Chang, Bernice S. C., 940-17th Ave.
Chang, Dai Chun, 1117 Chlo St.
Chang, Gordon G., Box 35, Wahiawa, Oahu; 1635-A Young St.
Chang, Lily L., 931-4th Ave.
Chen, Dorcas, 2666 E. Manoa Rd.; 206 Sumitomo Bank Bldg.
Chen, Frances, 2285 Makalani Dr.
Cheong, Raymond, 1315 Kinau St.
Choyney, Paul, 1255 Lunailo St.
Chou, Ah Seong, 1928 Naio St.
Chow, Annie L., 1317-9th Ave.
Cheung, Raymond, 1315 Kinau St.
Choy, Alice, 1033-C Wolters Lane
Choy, Myra Ii., 1453 Alenestre St.
Choy, Quon Chee, 1025 Nuuanu St.
Chung, Charlotte A. C., 1631 Liliha St.
Chung, Nathanial W., 725 Piikoi St.
Chung, Shirley, 1215-H Alexander St.
Clark, Victor E., 2002 Carey, Chevenne, Wyo.; VPI, Fleet Air Base
Clarke, John K. Jr., 3717 Manahahoa Rd.
Clowes, Frederick A., 3502 Woodlawn Dr.
Cooley, Daniel A., c/o War Dept., Washington, D.C.; 2139 Aulii St.
Cooper, Ina Jane S., 2139 Aulii St.
Correa, Alice M., 1413 Dominis St.
Crawford, Joe E., Kailuhi, Maui; Courtland Hotel
Cwikotl, Joe E., Kehului, Maui; Courtland Hotel
Curtin, Donald, 3370 Maunaloa Ave.
Davis, A. Erie, 3630 Pahoa Ave.
De Fontaine, Rose, 2889 Puhala Rise
Register of Students

Forrest, Edward J., 1649 S. Beretania St.
Forrest, Martha-Jean, 957 Kealaolu Ave.
Foxall, Sarah E., 1651 Kalakaua Ave.
Fujimoto, Hajime, 1914 Houghtaling Rd.
Fujimoto, Lillian O., 619—10th Ave.
Fujio, Richard T., Box 265, Pahoa, Puna, Hawaii; Kobayashi Hotel
Fujimoto, Helene, 2835 Oahu Ave.
Giddings, Eliza K., 3025 Haunani Rd.
Gilliland, Louise C., 3480 Kilauea Ave.
Glover, Violet G., 2013 Uhin St.
Goncalves, Adelaide, 447 Keouana St.
Goo, Elizabeth K., Wahiawa, Oahu
Gott, Masaichi, Puako Ranch, Kawaihau, Hawaii; 2148 Dole St.
Gottesburen, Phyllis, 3137 Catherine St.
Gray, William V. Schields Harracks
Griese, Arthur A., 6306 Lindenhurst Ave., Los Angeles, Calif.; Navy Yard, Pearl Harbor
Griffen, Don E., Box 154, Wahiawa, Oahu
Guerreiro, Violet M., 1249—10th Ave.
Haenisch, K. Anni, 1106 Haanpuo St.
Hagihara, Henry T., 1402 Emma St.
Hagihara, Paul K., 1402 Queen Emma St.
Hamada, Mutsuo, 2133 Citron St.
Han, Salome L., 41-A Mann Lane
Hansen, George V., 1935-U Kalia Rd.
Harriss, Virginia G., 2619 Lowrey Ave.
Hartman, John M., Route 1, Longmont, Colo.; 1525½ Wilder Ave.
Hartung, Margarette, 3039 Hotel St.
Hausten, Emma, 901 Haasten St.
Havlitchek, Helen, Manistique, Mich.; Leilehua, Wahiawa, Oahu
Hea, Eunice L., 1116 Kopke St.
Healy, Agnes H., 836—10th Ave.
He, Hop, 25 Kaulani St.
He, Primrose K. F., 1621-G Keauaua St.
He, Rose K. S., 1254-F Emma Lane
Henderson, Margaret M., 854—12th Ave.
Hensold, Cicile, 754-A Ocean View Dr.
Hermanson, Ella, 1444 Keauaua St.
Hermanson, Hulda, 1444 Keauaua St.
Hickey, Socia, 2324 S. Hope, Los Angeles, Calif.; 3619 Bethshan Rd.
Higaki, Hatsuye, 2140 Dole St.
Higashi, Takekiko, Komumoto, Japan; 3326 Paalea Rd.
Hill, Lois, 2721 Koaniani Way
Hillmer, Grace, 1317 Penaola St.
Hiroki, Yutaka, 1753 S. Beretania St.
Hiromoto, Earl K., 160 Paakalani Rd.
Hiserman, Nellie T., 1638 Bingham St.
Ho, Annie, 214 Kaia St.
Ho, Elizabeth M., 1431 Kewalo St.
Hoagland, Mary, Donna Hotel
Hoe, Eleanor H., 2130 Coyne St.
Hoe, Rebecca T., 288—10th Ave.
Hoff, Hannah, Baker, Ore.; 2251 Waikalu Way
Holberg, Myrtle H., Niumalu Hotel
Hong, Daisy K., 26 N. Kuakini St.
Hood, Carrie D., 1810 Bingham St.
Hoshino, Sumiya, 380 S. Vineyard St.
Hu, Wing C., 1965 Paaua Rd.
Hudson, Loren W., 705 Mexico Ave., Corpus Christi, Texas; U. S. N. Hospital, Pearl Harbor
Hurwitz, Max, 2011-A Hunnewell St.
Igarashi, Chugo, 1746-D Lilitha St.; 2631 S. King St.
Ing, George L., 1059—21st Ave.
Ing, Gilbert H., 1709 Kalani St.
Ing, Grace F., 1002—8th Ave.
Ing, Lucille, 1749 Self Lane
Ing, Mary, 1136—8th Ave.
Ing, Walter, 1025—11th Ave.
Ing, William Y., 1749 Self Lane
Irwin, Maude E. C., Box 87, Waialua, Oahu
Isehberg, Eleanor W., 1920 Kokea Dr.
Iwamoto, Ruth, Kapao, Kauai; 1034—19th Ave.
Jasper, Glenn, 2303 Nola M., RR No. 4, Clarence, Mo.; 1410 Center St.
Jimbo, Tamayo K., 1078 Kinu St.
Johnson, Eleanor A., 324 W, 43rd St., Ashtabula, Ohio; 2189 Kalia Rd., No. 10
Johnson, Evlyne I., Reed City, Mich.; 706-A Spencer St.
Jones, Gordon C., 324 W, 43rd St., Ashtabula, Ohio; 2189 Kalia Rd., No. 10
Jones, Marjorie J., 2211 Halulu Way
Jopson, Martha B., Evansville, Minn.; Punahou School
Kagawa, Yoshinobu, 3734 Harding Ave.
Kahula, Louisa, 2120 Kahaha St.
Kaleikau, Mina, 3428 Kaau St.
Kamada, Shizuyo, Box 1420, Honolulu, Hawaii; 1380 S. Beretania St.
Kamehameha, Mildred, 548 Keawe St.
Kanayama, Uichi, 548 Keawe St.
Kaneho, Lily, 1011 Kamehameha IV Rd.
Kang, Mary K., 2450 Waialani Ave.
Kang, Young, Box 420, Wahiawa, Oahu
Karpisek, Eva, 4693 71st St., San Diego, Calif.; 1433 Pensaola St.
Karrat, Charlotte, 817 Mokauea St., Kauai; 1531 Gulick Ave.
Kawasaki, Haruko, Wailuku, Maui; 1829 Makiki St.
Kawana, Annie K., Waialua, Oahu
Keakea, Arthur, 483 Kukui St.
Kemp, Sophie, Waipahu, Oahu
Keppler, Herbert K., 3812 Kiluaea Ave.
Kiesel, Dorothy L., 1511 Artesian Way
Kim, Dora P., 1369 Washington Blvd., Long Beach, Calif.; 2224-B Kalia Rd.
Kobatake, Masato, 1380 S. Beretania St.
Koch, Virginia, 2427 Ah Wai Blvd.
Koga, Francis M., Central Y. M. C. A.
Kohno, Lila, 732 Washington Pl., Long Beach, Calif.; 2224-B Kalia Rd.
Koizumi, Milzie, 1425 Balboa Dr.
Kohama, Elizabeth, 2627 Rooker Ave.
Kihara, Mary, 1033 16th Ave.
Kumano, Mary, 1033 16th Ave.
Kupihea, Katherine K., 3117 Hunter St.
Kurio, Yuri, Wahiawa, Oahu
Kurik, Maxie, 1005 Hala Dr.
Kam, Lani H., Young Hotel
Kappin, Lyle M., General Delivery, Wahiawa, Oahu
Kendall, Elizabeth B., 3011 Upper Manoa Rd.
Kau, Ah Kook, 919 Birch St.
Kau, Amy C., 2036 Binald St.
Kau, Hing Chock, 1420-A Keewakaukau St.
Lee, Alexander, 2034 Kapulani St.
Lee, Gladys M. F., 3812 Noeau St.
Lee, Hilda C., 2136 S. King St.
Lee, Joseph U., 1037 7th Ave.
Lee, Norma F., 1433 Kamehameha IV Rd.
Lee, Marquie H., Aiea, Oahu
Lee, Mervin, 3371 Keahalani St.
Lee, Richard M., 117 Kaloko Dr.
Lem, Pui Kau Z., 1523 St. Louis Dr.
Lindsey, Lehua B., 1820 Anapuni St.
Ling, Annie, 1011 3rd Ave.
Ling, Elizabeth, 3261 Olu St.
Ling, Elsie L., 2627 Rooker Ave.
Lintemann, Carl W., 2425 E. Manoa Rd.
Livingston, Jean E., 1821 Keewakaukau St.
Liwa, Edna, 1429 Dillingham Blvd.
Liwa, Moses, 1429 Dillingham Blvd.
Lodge, Clarissa H., Box 784, Waipahu, Oahu
Lodge, Ronald H., Box 784, Waipahu, Oahu
Lono, Abbie K., 2554 Rooker St.
Loomis, Alice N., 2117 Wainiha Pl.
Loomis, Jane, 2442 Sonoma Ave.
Louis, James L., 1060 Koko Head Ave.
Louis, Mildred, 1060 Koko Head Ave.
Lowell, Genevieve B., 1236 Nekoa St.
Lowson, Betty B., 706 Spencer St.
Luz, John C., 833 17th Ave.
Lum, Alice K., 1020 Pulaa Lane
Lum, Elizabeth K., 4264 Sierra Dr.
Lum, Hazel, Waiianae, Oahu; 1805 Wilder Ave.
Lung, Helen Y., 2308 Bingham St.
Lung, Marion, 632 South St.
Lung, Rose C., 2322 Marques St.
Lynch, Helen, Fernhurst
Register of Students

Lyons, Muriel, 632 Mokaua St.
Mackinosh, Katherine, 1047-9th Ave.
MacLean, Olive M., 165 Clinton St., Brooklyn, N. Y.; Queen's Hospital
MacOwan, Amy, Yorkville, Ill.; 2812 Kahawai St.
Maeda, Mitsuo, Waialua, Oahu; 1710 Fort St.
Mahia, Mabel, 1422 Wilhelmina Rise
Makoe, Rosabelle, 104 Coelho Way
Makasa, Violet K., 2014 Kapulani St.
Mandle, Sadie E., 2147 Wilder Ave.
Maruyama, Masao, Hilo, Hawaii; 378-B S. Vineyard St.
Marvin, Fillmore C., Los Angeles, Calif.; 1430 Pukele St.
Marx, Drusilla, 1250 Sierra Dr.
Masumoto, Chieno, 631-10th Ave.
Matsumoto, Yoshio, c/o Hawaii Meat Co., Ltd.
Medeiros, Veronica, Lanikai, Oahu; Box 3226, Honolulu
Meinecke, Maria Y., 236 Jack Lane
Mendonca, Lena S., 413-B Kapahulu Ave.
Mendell, Louise D., 2112 Dole St.
Miles, Frances, 943-16th Ave.
Millam, Elizabeth C., 1821 Keaumoku St.
Miller, Donald J., Schofield Barracks
Miller, Adele O., 1221-14th Ave.
Miyake, Francis T., Box 213, Wailuku, Oahu
Miyamoto, Mildred, 37-A Mamane Lane
Miyamoto, Mildred W., Box 213, Waialua, Oahu
Miyamoto, Mildred W., 37-A Mamane Lane
Moore, Moehau M., Nanakuli, Oahu; 2034 Kealoha St.
Moriyama, Minoru, 1243 Kinau St.
Mukai, Gladys B., 1650 Malanai St.
Myers, Thelma D., 3375 Waialae Ave.
Nahinu, Violet A., 194 Kalihi St.
Nakamura, Margaret K., 957-10th Ave.
Nakamura, Minoru, 1243 Kinau St.
Nakamura, Minoru, 1243 Kinau St.
Nash, Mildred, 2715 Manoa Rd.
Nelson, Dorothy, 10123 Vernon Ave., Chicago, Ill.; 232 Lewers St.
Nelson, Norma A., Emmett, Idaho; 2247-A Waikolu Way
Nichol, Myrna M., 2235 Kalia Rd., Apt. 7
Nobrega, Adeline, 912-12th Ave.
Nomura, Isuyo, 1931 Young St.
Norton, Marion H., No. 15, 2229 Kalia Rd.
Oda, Chiyoko H., 2455 Waolani Ave.
O'Dowda, Dorothy M., 2910 Alani Pl.
Oka, Wilfred M., 2162 Pauoa Rd.
Olazaki, Barbara F., 231 N. King St.
Ormsby, Genevieve, 2229 Kalia Rd., No. 6
Orrock, Edith B., 3273 Diamond Head Rd.
Pa, Kuulei, 1416-D Lunalilo St.
Park, Sam D., 3440 Leahi Ave.
Partello, Sabina, 2042 Round Top Terrace
Payne, Edene R., 1946-A Vancouver Dr.
Pemberton, Mildred, 2164 Mott-Smith Dr.
Peralta, Virginia, 859—20th Ave.
Perkins, Bessie S., 2632 Puunui Ave.
Petersen, Walter, 1615 St. Louis Dr.
Poka, Elizabeth C. C., 287 Kalahi St.
Postl, Anton, 3841 Pahoa Ave.
Postl, Mabel, 3841 Pahoa Ave.
Preston, Mary B., 1046 Young St.
Puaa, Annie K., 2841 Kamanakoi St.
Quon, Bung Yuen, 23 McGrew Lane
Quon, Florence, 721—10th Ave.
Ramsay, Walter G., Beach Walk Inn; Hawaiian Electric Co.
Rath, Robert H., 2246 Seaview Ave.
Reeves, Rose F., 1457-B Auld Lane
Reid, Flora S., 911 Ocean View Dr.
Reid, Christina K. D., 3365 Pahoa Ave.
Reis, Palmyra, 1049 Prospect St.
Reis, Rose G., 3060 Lukimau St.
Richards, Miriam W. K., 1151 Davenport St.
Rietow, Donald, 2853 Oahu Ave.
Robertson, Constance, 2228 Marques St.
Rodrigues, Bernice F., 656 N. School St.
Rogers, Robert H., 2246 Seaview Ave.
Rose, Frank Jr., 312-F Oahu Ave.
Rose, Frank S., 821 Spencer St.
Ross, Caroline S., 2620 Terrace Dr.
Rothwell, Mary L., 2762 Hilaide Ave.
Rubin, Estelle Q., 1718 Hunnewell St.
Rucker, Brenda E., Bedford, Virginia; Queen's Hospital
Ruehling, Lucie F., 3703 Sierra Dr.
Russell, Marcelina M., 2019 S. Beretania St.
Sagum, Felizardo D., 3008 Haunani St.
Salton, Marion M., Box 633, Hilo, Hawaii; 597 S. King St.
Saiki, Rupert, Box 633, Hilo, Hawaii; 1140 Lunalilo St.
Saigo, Torakichi, 1903 Hani Place; von Hamm-Young Co., Ltd.
Sanborne, Mildred H., 2220 University Ave.
Santos, Flora, 1314 Kinau St.
Sasagawa, John Y., 1339 N. School St.
Sasaki, Teruo, 949 Kaheka Lane
Schebler, Virginia E., 914 Capitol St., Vallejo, Calif.; 1591 Beretania St.
Schremmerhorn, Rose F., 1082 S. King St.
Schieller, William A., 1221 Center St.
Schlemmer, Margaret M., 1692 Lewalani Dr.
Scott, Mildred R., 2301 Hill Dr., Los Angeles, Calif.; 2325 Liliu St.
Schumer, Gladys, 911 Ocean View Dr.
Sebestyen, Paul, 356 Wadsworth Ave., New York City; Central Y. M. C. A.
Sen, Ming (Joseph Sam), 318 N. Kukui St.
Sheridan, Philip E., 1398 Hayes St., San Francisco, Calif.; Hawaiian Air Depot, Luke Field
Shigemura, Ryosaku, 323-S Puhala Lane
Shim, Esther C., 1033—8th Ave.
Shim, Wai On, 222-A Emma Square
Shinamura, Joan C., 11 McGrew Lane
Shinn, Lucy H., 1062 Young St.
Silva, Evonne M., 1056 Alapai St.
Simerson, Violet S., 3966 Waialae Rd.
Sitro, Adeline C., Ewa, Oahu
Sing, Robert F., 1471 Grant St., Bellingham, Wash.; Signal Detachment, Fort Armstrong
Slade, Mildred, Punahou School
Sledge, Carolyn, Laniaki, Oahu; Hawaiian Pineapple Co.
Smelker, Robert T., 811 Spencer St.
Smith, Aileen, Pleasanton Hotel
Smith, Clara L., 3753 Sierra Dr.
Smith, Daryl J., Castner Garage, Schofield Barracks
Smith, Harriette C., 1710 Forest St., Denver, Colorado; 706-A Spencer St.
Smith, Ronald Q., 3753 Sierra Dr.
Smith, Wilmia A., 2128 Lanibuli Dr.
Soares, LeRoy, 1407 Koko Head Ave.
Soares, Marion E., 3514-B Pahoa Ave.
Soon, Albert H., 2525 Brooke Ave.
Soon, Eva A., 1873 Puowaina Dr.
Sosnowski, Josephine, 3639 Crater Rd.
Sosnowski, Michael, 3639 Crater Rd.
Spellmann, Dorothea, 1912-A Adelaide Ave., St. Louis, Mo.; Fernhurst
Spencer, Amoe R., 2138 Bingham St.
Speigelberg, Carl H., 2997 Kalakaua Ave.
St. Denis, Manley, Industrial Dept., Navy Yard, Pearl Harbor; 312-C Seaside Ave.
Register of Students

Stickler, Myrtle, 137-C Ohua Ave.
Stickler, Helen, 814 Green St.
Suzuki, Francis T., 24 Muliwai Lane
Suzuki, Henry Y., 1828 S. King St.
Takah, Masami, 929 South St.
Takabuki, Suna I., 2425 Liko Lane
Takeda, Toku, 160 S. School St.
Tamanaka, Nobuichi, 2437 Kalakaua Ave.
Tamura, Mathilda, Peninsula, Pearl City
Tatch, David, Tripler General Hospital
Taylor, Dorothea L., 1095 Augustine St., Rochester, N. Y.; Military Police Co., Fort Shafter
Temple, Frank S., Hartwell, Ga.; Army and Navy Y. M. C. A.
Thirkeld, Virginia J., 11th F. A., Schofield Barracks; 2118 Haena Dr.
Thomas, Virginia, 2011-C Lanihulu Dr.
Tomita, Minoru, Box 475, Waipahu, Oahu
Tomlinson, Margaret S., 2350 Pacific Heights Rd.
Todanari, Frank H., 1433 Liona Lane
Trainum, Helen, 779-G Lunalilo Terrace
Trah, Lorraine B., 2238 Helumoa Rd.
Tsuei, Elizabeth, 917-8th Ave.
Tsuei, Sarah S. T., 917-8th Ave.
Tayou, Beatrice K., 3711 Waialae Rd.
Tayou, Bessie A., 1738 Lusitana St.
Tayou, Ellen T., Wahiawa, Oahu
Ung, Anne S., 2316 Rose St.; The Deans, Waikiki
Uyeda, Lily, 1537-B Young St.
Vanderwall, Johanna, 412 Kapili St.
van Inwegen, Constance, Oregon, Ill.; 1054 Spencer St.
Vida, Edythe A., 2295 Dole St.
Voorhees, Landon, 2517 Manoa Rd.
Wagner, Robert E., 2511 E. Manoa Rd.
Wagner, Nalhe, Hookena, Hawaii; 2154 Aupuni St.
Walker, Myrtle A., 1235-10th Ave.
Wallace, Marian G., Rock Rapids, Iowa; Leilehua School, Wahiawa, Oahu
Wallace, Mary, 1343 Center St.
Warimmer, Rose, 2161 Mahalo St.
Wat, Bo-Tong, 420 Mokua St.
Watada, Yasu N., 2617 Wawapu Ave.
Watanohe, Wataru, 751 S. King St.
Watt, Alison, 2029 Lanihulu Dr.
Wedemeyer, May A., Waialua, Oahu
Weltz, Larry E., 2040 Makiki St.
Westgate, Mae A., Makiki Heights Rd.
Westly, Ella T., 2710 Manoa Rd.
Whitlow, Jesse E., La Mine, Mo.; 1178 Fort St.
Whittaker, Romaine, 2030 Nuuanu Ave.
Wichman, Stephanie, Niumalu Hotel
Wikeen, Ethel M., 4347 Kahala Ave.
Wildcr, Ellwood C., Jr., 1718 Anapuni St.
Willett, Eva F., Box 768, Waipahu, Oahu
Williams, Marjorie C., 4727 Tuisitala St.
Williams, Marjorie, 3201 Oahu Ave.
Williams, Leslie O., Olney, Ill.; Blaisdell Hotel
Williams, Marian V., 2472 Tuisitala St.
Williams, Marjorie C., 2220 Aloha Dr.
Williams, Mary, 3366 Maunaloa Ave.
Williams, Nina A., 3366 Maunaloa Ave.
Williams, Olive, 4801-A Kahala Ave.
Williams, Marjorie, 3056 Waialeni Rd.
Williams, Sidney W., Fort DeRussy
Wilson, Elizabeth J., 919 N. Washington, Owosso, Mich.; Fernhurst
Wilson, Julian H., 1319-D Wilder Ave
Windrath, Amy, 1128-17th Ave.
Wing, Winifred E., 4031 Black Point Rd.
Winstedt, Charles W., 329 Huelani Dr.
Won, Arthur F., 1950 Pauoa Rd.
Wong, Ah Lum, 1341-16th Ave.
Wong, Akinau, 1042-11th Ave.
Wong, Amon, 2394 Makamane St.
Wong, Eleanor A., 1731-A Fort St.
Wong, Elsie C., 3214 Olu St.
Wong, Ethel W., 1051 Lolena St.
Wong, Eva F., 1037 Kinau St.; Box 2092, Honolulu
Wong, Howard K. H., 1397 S. Beretania St.
Wong, Oy Cum, 927-8th Ave.
Wong, Richard W., 50 Hailoa St.
Wong, Rose C. A., 1581 Miller St.
Wong, Rose N. C., 715—9th Ave.
Wong, Ruth C., 3446 Waialae Ave.
Wong, Sau Kl., 717—20th Ave.
Wong, Susan, 1032 Koko Head Ave.
Wongwai, Katherine Y. H., 2048 S. Beretania St.
Wood, Nadine E., 1090 Alewa Dr.
Wuu, Violet T., 825—19th Ave.
Yamamoto, Tadao, 402 Kawae St.
Yanaga, Ayako E., 846 Lukepame Ave.
Yanazawa, Kiako H., 1327—15th Ave.
Yap, Fook Gin, 1159 Lumalilo St.
Yap, Hazel, Waimanalo School; 1826 Palolo Ave.
Yap, Helen N. B., 1442—11th Ave.
Yap, Mary L., 722—9th Ave.
Yates, Genevieve, Niulani Hotel
Yawai, Richard M., 2967 Kahaloa Dr.
Yee, Ken, 810 Birch St.
Yee, Lizzie, Kohala, Hawaii; 3031 Lincoln Ave.
Yim, Sarah, 1012 Belser St.
Yoshioka, Yone, Kaneohe, Oahu; Box 1332, Honolulu
Young, Achong E., Box 1103, Hilo, Hawaii; 2135 S. King St.
Young, Ah Mee L., 1019—5th Ave.
Young, Carol F., 131-D Ulunui
Young, Dorothy W., Wahiawa, Oahu
Young, Elsie L., 404 Kalibli St.
Young, Grace K., 3123 Lincoln Ave.
Young, Henry E. W., 2019 Bingham St.
Young, Jessie L., Wahiawa, Oahu
Young, Lilie E., 858 Olokalani Ave.
Young, Maryjette C., 3527 Maunalei Ave.
Zane, Lily L., 1117—10th Ave.
Zen, Eui F., 2318 Marques St.
Ziegler, Arthur N., Long Beach, Calif.; 21st Infantry, Schofield Barracks
## Year Figures of Enrollment
(1936-1937)

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<th>College of Arts and Sciences:</th>
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<td>Juniors</td>
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Total Degree Candidates ........ 1494
Graduate Division, Not Candidates for Degrees ........ 137
Candidates Fifth Year Certificate, Teachers College ........ 69
Unclassified Students* .......... 571

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<th>Duplicates†</th>
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Students Not Working for Credit .............................................. 2236

**TOTAL REGISTRATION** .......................................................... 2453

* See page 45.
† Seniors graduating in February entered Graduate Division or 5th Year in Teachers College.
# Geographic Distribution

*(Summer Session and Non-Credit Students Not Included)*

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<th>State/Region</th>
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**Total:** 2256
## Index

<table>
<thead>
<tr>
<th>A</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>61, 94, 96</td>
</tr>
<tr>
<td>Activities, Student</td>
<td>53-54</td>
</tr>
<tr>
<td>Administrative Assistants</td>
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<td>Admission</td>
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</tr>
<tr>
<td>Applications for</td>
<td>44-45</td>
</tr>
<tr>
<td>College Aptitude Examination for</td>
<td>44</td>
</tr>
<tr>
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<td>44</td>
</tr>
<tr>
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<td>44-45</td>
</tr>
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</tr>
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</tr>
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<td>Auditor</td>
<td>46</td>
</tr>
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<td>Advanced Degrees</td>
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</tr>
<tr>
<td>Civil Engineer</td>
<td>52</td>
</tr>
<tr>
<td>Doctor of Philosophy</td>
<td>50, 75-76</td>
</tr>
<tr>
<td>Master of Arts</td>
<td>50-51</td>
</tr>
<tr>
<td>Master of Education</td>
<td>50-51, 72</td>
</tr>
<tr>
<td>Master of Science</td>
<td>50-51, 75</td>
</tr>
<tr>
<td>Sugar Technologist</td>
<td>52</td>
</tr>
<tr>
<td>Requirements for (General)</td>
<td>45-52</td>
</tr>
<tr>
<td>Advisers, Faculty</td>
<td>59, 63, 66</td>
</tr>
<tr>
<td>Agricultural Extension Service</td>
<td>29-32, 41</td>
</tr>
<tr>
<td>Agricultural Division of Sugar Technology Course</td>
<td>64-66</td>
</tr>
<tr>
<td>Agriculture</td>
<td>77-79</td>
</tr>
<tr>
<td>Courses in</td>
<td>77-79</td>
</tr>
<tr>
<td>Outline of a Four-Year Course</td>
<td>62-64</td>
</tr>
<tr>
<td>Teaching of</td>
<td>62, 64, 139</td>
</tr>
<tr>
<td>Vocational</td>
<td>139</td>
</tr>
<tr>
<td>Animal Husbandry</td>
<td>77, 78, 79</td>
</tr>
<tr>
<td>Anthropology and Sociology</td>
<td>79-82</td>
</tr>
<tr>
<td>Applied Science, College of</td>
<td>14-18, 62-69, 77</td>
</tr>
<tr>
<td>Aquarium</td>
<td>27, 41</td>
</tr>
<tr>
<td>Argumentation and Debate</td>
<td>101, 103</td>
</tr>
<tr>
<td>Art</td>
<td>83-85</td>
</tr>
<tr>
<td>Arts and Sciences, College of</td>
<td>7-14, 58-61, 77</td>
</tr>
<tr>
<td>Astronomical Observatory</td>
<td>43</td>
</tr>
<tr>
<td>Athletics</td>
<td>21, 53-54, 122-123</td>
</tr>
<tr>
<td>Auditors</td>
<td>46</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Arts Degree</td>
<td>47-48, 58-61</td>
</tr>
<tr>
<td>Bachelor of Education Degree</td>
<td>47-48, 70-74</td>
</tr>
<tr>
<td>Bachelor of Science Degree</td>
<td>47-48, 62-69</td>
</tr>
<tr>
<td>Bacteriology</td>
<td>85, 87, 88, 149</td>
</tr>
<tr>
<td>Band</td>
<td>118</td>
</tr>
<tr>
<td>Banking</td>
<td>92, 95</td>
</tr>
<tr>
<td>Biological Sciences</td>
<td>67, 68</td>
</tr>
<tr>
<td>Biology</td>
<td>133, 134, 136</td>
</tr>
<tr>
<td>Bishop Museum</td>
<td>42</td>
</tr>
<tr>
<td>Board of Regents</td>
<td>3, 4, 40</td>
</tr>
<tr>
<td>Botany</td>
<td>85-89, 147-48</td>
</tr>
<tr>
<td>Buildings</td>
<td>42-43</td>
</tr>
<tr>
<td>Business</td>
<td>60-61, 94-96</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cafeteria</td>
<td>43, 53</td>
</tr>
<tr>
<td>Calendar</td>
<td>2</td>
</tr>
<tr>
<td>Campus and Buildings</td>
<td>42-43</td>
</tr>
<tr>
<td>Certificates Awarded</td>
<td>157</td>
</tr>
<tr>
<td>Charter of University</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>64-66, 89-91, 132, 148</td>
</tr>
<tr>
<td>Chemistry Division of Sugar Technology</td>
<td>64-66</td>
</tr>
<tr>
<td>Chinese Language and History</td>
<td>118-120</td>
</tr>
<tr>
<td>Civil Engineering Degree</td>
<td>52</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>64, 96-100</td>
</tr>
<tr>
<td>Clinic, Psychological</td>
<td>28-29, 41</td>
</tr>
<tr>
<td>College Aptitude Examination</td>
<td>44</td>
</tr>
<tr>
<td>College Entrance Board Examination</td>
<td>44</td>
</tr>
<tr>
<td>College of Applied Science</td>
<td>14-18, 62-69, 77</td>
</tr>
<tr>
<td>College of Arts and Sciences</td>
<td>67-14, 58-61, 77</td>
</tr>
<tr>
<td>Commercial Art</td>
<td>83</td>
</tr>
<tr>
<td>Committees of the Faculty</td>
<td>6</td>
</tr>
<tr>
<td>Cooperating Institutions</td>
<td>42</td>
</tr>
<tr>
<td>Cooperative Extension Service in Agriculture and Home Economics</td>
<td>29-32, 41</td>
</tr>
<tr>
<td>Cost of Living</td>
<td>53</td>
</tr>
<tr>
<td>Courses of Instruction</td>
<td>77-149</td>
</tr>
<tr>
<td>Courses, Outlines of</td>
<td>47-49, 59-61, 63-69, 70-74</td>
</tr>
<tr>
<td>Credits defined</td>
<td>46-47</td>
</tr>
<tr>
<td>Curriculum</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deans</td>
<td>54, 101, 103</td>
</tr>
<tr>
<td>Debating</td>
<td>54, 101, 103</td>
</tr>
<tr>
<td>Degrees</td>
<td>52</td>
</tr>
<tr>
<td>Bachelor of Arts</td>
<td>47-48, 58-61</td>
</tr>
<tr>
<td>Bachelor of Education</td>
<td>47-48, 70-74</td>
</tr>
<tr>
<td>Bachelor of Science</td>
<td>47-48, 62-69</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>52</td>
</tr>
<tr>
<td>Doctor of Philosophy</td>
<td>50, 75-76</td>
</tr>
<tr>
<td>Master of Arts</td>
<td>50-51</td>
</tr>
<tr>
<td>Master of Education</td>
<td>50-51, 72</td>
</tr>
<tr>
<td>Master of Science</td>
<td>50-51, 75</td>
</tr>
</tbody>
</table>
Preparation for Professional..........................48-49
Sugar Technologist........................................52
Degrees Conferred........................................152-157
Dining Hall.................................................43, 53
Diploma Fee..................................................53
Diploma, Five Year (Secondary Teaching)...............64, 66, 70, 72
Diplomas Conferred......................................157
Director of Admissions.....................................5
Directors.....................................................5
Disbursement of Funds.....................................3
Distribution of Students, Geographic....................194
Dormitories...............................................43, 53
Dramatics..................................................54, 103
Drawing in art courses....................................45, 83-85
Mechanical..................................................98

Economics and Business
Courses..................................................91-96
Programs of Study........................................60-61

Education
Courses................................................................136-146
Degrees in...................................................48, 50, 70-74
Fifth year in..................................................70, 72
Programs of Study........................................70-74
Educational Psychology.................................138, 139
Employment..................................................54

Engineering
Civil.....................................................................52, 96-98
Courses...........................................................96-100
Degrees...........................................................52, 64
Entrance requirements.................................64
Mechanical..................................................99-100
Program of study............................................64

English
Courses................................................................100-105, 142
Entrance Requirements.................................44
Placement Examination....................................100
Teaching of.....................................................142
Enrollment.....................................................193

Entomology..................................................134, 135, 148

Entrance
Examinations..................................................44
Requirements.................................................44-45, 58, 62, 70, 75

Examination
College Aptitude.............................................44
College Entrance Board...................................44
English Placement.........................................100
For Advanced Degrees.................................50-51
Physical........................................................47, 122

Expenses
Living.........................................................53
Tuition and Fees.............................................52-53

Experiment Station
Hawaii Agricultural..........................................32-37, 41
Hawaiian Sugar Planters'.................................42, 64-66
Pineapple Producers......................................37-39, 41, 68

Faculty
Advisers.......................................................59, 63, 66
Committees.....................................................6
Personnel.......................................................7-39

Fees............................................................52-53
Fellows.........................................................151
Food and Nutrition..........................................66-67, 114-115
Foreign Language Requirements..........................44, 49, 58, 76
Foreign Trade.................................................61, 92, 94, 96
French.............................................................105-106
Freshman Standing..........................................44-45
Freshman Week...............................................2

Graduate
Director of Division........................................5, 50
Fellows.........................................................151
School of Tropical Agriculture..........................22-24, 75-76, 147-149
Students 1936-1937........................................158-162
Student's Fees.................................................52-53
Student's Examinations.................................50, 72, 75-76
Study and Research.........................................50
Study Committee............................................6

Graduation
College of Applied Science..............................62
College of Arts and Sciences............................58
Credits required for........................................47
Grade points required for...............................46-47
Requirements for............................................47-48
Residence Requirement for..............................48
Teachers College............................................70

Grounds.......................................................42-43

Gymnasium....................................................42

H
Hawaii Agricultural Experiment Station..................32-37, 41
Hawaii School of Religion..................................26-76, 128-130
Hawaiian History............................................112
Hawaiian Language..........................................109
Hawaiian Sugar Planters' Association......................42, 65, 132
Health and Physical Education............................21, 122-123, 144-145
Herbarium.....................................................43

Hawaii Agricultural Experiment Station

Hawaiian Sugar Planters' Association

Herbarium
<table>
<thead>
<tr>
<th>Index</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>History Courses</td>
<td>110-112</td>
</tr>
<tr>
<td>Educational</td>
<td>141</td>
</tr>
<tr>
<td>Oriental</td>
<td>110, 111, 121</td>
</tr>
<tr>
<td>Of the University</td>
<td>40</td>
</tr>
<tr>
<td>Religious</td>
<td>129, 130</td>
</tr>
<tr>
<td>Home Economics Courses</td>
<td>113-115</td>
</tr>
<tr>
<td>Program of Study</td>
<td>66-67</td>
</tr>
<tr>
<td>Honolulu Academy of Arts</td>
<td>42</td>
</tr>
<tr>
<td>Honors Courses</td>
<td>47</td>
</tr>
<tr>
<td>Household Art</td>
<td>113-114</td>
</tr>
<tr>
<td>Household Science</td>
<td>114-115</td>
</tr>
<tr>
<td>I</td>
<td></td>
</tr>
<tr>
<td>Income of University</td>
<td>3, 40</td>
</tr>
<tr>
<td>Indebtedness to University</td>
<td>52-53</td>
</tr>
<tr>
<td>Independent Study and Special Honors</td>
<td>47</td>
</tr>
<tr>
<td>Institute of Pacific Relations</td>
<td>42</td>
</tr>
<tr>
<td>International Economics and Trade Course</td>
<td>61</td>
</tr>
<tr>
<td>International Law and Relations</td>
<td>126</td>
</tr>
<tr>
<td>J</td>
<td></td>
</tr>
<tr>
<td>Japanese Language and History</td>
<td>110, 111, 112, 120</td>
</tr>
<tr>
<td>Journalism</td>
<td>59, 101, 102, 103</td>
</tr>
<tr>
<td>L</td>
<td></td>
</tr>
<tr>
<td>Language Requirements</td>
<td>44, 49, 58, 76</td>
</tr>
<tr>
<td>Languages, Foreign</td>
<td></td>
</tr>
<tr>
<td>Chinese</td>
<td>119</td>
</tr>
<tr>
<td>French</td>
<td>105-106</td>
</tr>
<tr>
<td>German</td>
<td>109</td>
</tr>
<tr>
<td>Hawaiian</td>
<td>109-110</td>
</tr>
<tr>
<td>Japanese</td>
<td>120</td>
</tr>
<tr>
<td>Russian</td>
<td>130</td>
</tr>
<tr>
<td>Spanish</td>
<td>131</td>
</tr>
<tr>
<td>Languages, Literature and Art</td>
<td>60</td>
</tr>
<tr>
<td>Late Registration Fee</td>
<td>53</td>
</tr>
<tr>
<td>Law</td>
<td>95, 125-126</td>
</tr>
<tr>
<td>Law Course, Preparation for</td>
<td>49, 59</td>
</tr>
<tr>
<td>Library</td>
<td>27-28, 43</td>
</tr>
<tr>
<td>Literature</td>
<td></td>
</tr>
<tr>
<td>American</td>
<td>104</td>
</tr>
<tr>
<td>English</td>
<td>102, 104, 105</td>
</tr>
<tr>
<td>French</td>
<td>106</td>
</tr>
<tr>
<td>German</td>
<td>109</td>
</tr>
<tr>
<td>Oriental</td>
<td>119, 120, 121</td>
</tr>
<tr>
<td>Pacific</td>
<td>102</td>
</tr>
<tr>
<td>Spanish</td>
<td>131</td>
</tr>
<tr>
<td>World</td>
<td>103</td>
</tr>
<tr>
<td>Living Accommodations</td>
<td>53</td>
</tr>
<tr>
<td>Living Expenses</td>
<td>53</td>
</tr>
<tr>
<td>Loan Funds</td>
<td>55-57</td>
</tr>
<tr>
<td>Location of University</td>
<td>3, 42</td>
</tr>
<tr>
<td>Master's Degrees Conferred</td>
<td>152-154</td>
</tr>
<tr>
<td>Master of Arts</td>
<td>153-154</td>
</tr>
<tr>
<td>Master of Education</td>
<td>154</td>
</tr>
<tr>
<td>Master of Science</td>
<td>152-153</td>
</tr>
<tr>
<td>Mathematics Courses</td>
<td>116-117</td>
</tr>
<tr>
<td>Entrance Requirements in</td>
<td>44, 58, 62</td>
</tr>
<tr>
<td>Medical course, Preparation for</td>
<td>48-49, 60, 67-68</td>
</tr>
<tr>
<td>Medical Examination</td>
<td>47, 122</td>
</tr>
<tr>
<td>Mechanical Drawing</td>
<td>98</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>99-100</td>
</tr>
<tr>
<td>Merchandising</td>
<td>61, 96</td>
</tr>
<tr>
<td>Military Science and Tactics</td>
<td>47, 117-118</td>
</tr>
<tr>
<td>Music</td>
<td>118-119, 143-144</td>
</tr>
<tr>
<td>N</td>
<td></td>
</tr>
<tr>
<td>Natural and Physical Sciences</td>
<td>60</td>
</tr>
<tr>
<td>Nurses' Training</td>
<td>68</td>
</tr>
<tr>
<td>Nutrition</td>
<td>68, 114-115</td>
</tr>
<tr>
<td>O</td>
<td></td>
</tr>
<tr>
<td>Observatory</td>
<td>43</td>
</tr>
<tr>
<td>Offices of the University</td>
<td>5</td>
</tr>
<tr>
<td>Organization of the University</td>
<td>40-41</td>
</tr>
<tr>
<td>Oriental Studies</td>
<td>119-121</td>
</tr>
<tr>
<td>P</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>121-122</td>
</tr>
<tr>
<td>Physical Education Courses</td>
<td>122-123, 144-145</td>
</tr>
<tr>
<td>Requirement</td>
<td>47, 122</td>
</tr>
<tr>
<td>Physical Examination</td>
<td>47, 122</td>
</tr>
<tr>
<td>Physical Sciences</td>
<td>60</td>
</tr>
<tr>
<td>Physics Courses</td>
<td>124-125</td>
</tr>
<tr>
<td>Pineapple Culture</td>
<td>78</td>
</tr>
<tr>
<td>Pineapple Producers Cooperative Association</td>
<td>37-39, 41, 64</td>
</tr>
<tr>
<td>Police Administration</td>
<td>125-126</td>
</tr>
<tr>
<td>Political Science</td>
<td>126-127</td>
</tr>
<tr>
<td>Poultry Husbandry</td>
<td>37, 78</td>
</tr>
<tr>
<td>Practical Arts</td>
<td>145</td>
</tr>
<tr>
<td>Practice Teaching</td>
<td>139</td>
</tr>
<tr>
<td>Pre-Legal course</td>
<td>49, 59</td>
</tr>
<tr>
<td>Pre-Medical course</td>
<td>49, 60, 67-68</td>
</tr>
<tr>
<td>President</td>
<td>4, 5</td>
</tr>
<tr>
<td>Prizes</td>
<td>54, 57</td>
</tr>
<tr>
<td>Professional courses</td>
<td>48-49</td>
</tr>
<tr>
<td>Professional degrees</td>
<td>48-49</td>
</tr>
<tr>
<td>Psychological Clinic</td>
<td>28-29, 41</td>
</tr>
<tr>
<td>Psychology</td>
<td>127-128, 138, 139</td>
</tr>
<tr>
<td>Public Speaking</td>
<td>101, 103</td>
</tr>
<tr>
<td>R</td>
<td>Page</td>
</tr>
<tr>
<td>---</td>
<td>------</td>
</tr>
<tr>
<td>Regents, Board of</td>
<td>4</td>
</tr>
<tr>
<td>Register of students</td>
<td>158-192</td>
</tr>
<tr>
<td>Registration</td>
<td></td>
</tr>
<tr>
<td>Dates</td>
<td>2</td>
</tr>
<tr>
<td>Fee for late</td>
<td>53</td>
</tr>
<tr>
<td>Forbidden for indebtedness</td>
<td>53</td>
</tr>
<tr>
<td>Related service</td>
<td>41-42</td>
</tr>
<tr>
<td>Religion</td>
<td></td>
</tr>
<tr>
<td>Courses in</td>
<td>128-130</td>
</tr>
<tr>
<td>Hawaii School of</td>
<td>26, 76</td>
</tr>
<tr>
<td>Research</td>
<td>50</td>
</tr>
<tr>
<td>Residence and Dining halls</td>
<td>53</td>
</tr>
<tr>
<td>Residence Requirements</td>
<td>48</td>
</tr>
<tr>
<td>Romance Languages</td>
<td>105-106, 131</td>
</tr>
<tr>
<td>Room and Board</td>
<td>53</td>
</tr>
<tr>
<td>R. O. T. C</td>
<td>47, 117-118</td>
</tr>
<tr>
<td>Russian Language</td>
<td>130</td>
</tr>
<tr>
<td>S</td>
<td></td>
</tr>
<tr>
<td>Scholarships</td>
<td></td>
</tr>
<tr>
<td>Lists of</td>
<td>54-55</td>
</tr>
<tr>
<td>Holders of</td>
<td>150, 151</td>
</tr>
<tr>
<td>School of Pacific and</td>
<td>49</td>
</tr>
<tr>
<td>Oriental Affairs</td>
<td>14-18, 62-69, 77</td>
</tr>
<tr>
<td>Sciences, College of Applied</td>
<td></td>
</tr>
<tr>
<td>Science, College of Applied</td>
<td>49</td>
</tr>
<tr>
<td>Sciences, General</td>
<td>67-68</td>
</tr>
<tr>
<td>Sciences, Natural and Physical</td>
<td>60</td>
</tr>
<tr>
<td>Scout Training</td>
<td>145</td>
</tr>
<tr>
<td>Seismological Observatory</td>
<td>41</td>
</tr>
<tr>
<td>Semesters</td>
<td>2, 3, 41</td>
</tr>
<tr>
<td>Social Sciences</td>
<td></td>
</tr>
<tr>
<td>Program of Study</td>
<td>59</td>
</tr>
<tr>
<td>Courses</td>
<td>145-146</td>
</tr>
<tr>
<td>Social Work Training</td>
<td>130-131</td>
</tr>
<tr>
<td>Spanish</td>
<td>131</td>
</tr>
<tr>
<td>Special Students</td>
<td>45-46</td>
</tr>
<tr>
<td>Standard of Instruction</td>
<td>40</td>
</tr>
<tr>
<td>Student Activities</td>
<td>53-54</td>
</tr>
<tr>
<td>Aid</td>
<td>54</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>T</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Teachers College Courses</td>
<td>136-146</td>
</tr>
<tr>
<td>Faculty</td>
<td>18-21</td>
</tr>
<tr>
<td>Program of Study in</td>
<td>70-74</td>
</tr>
<tr>
<td>Transfers</td>
<td>45</td>
</tr>
<tr>
<td>Tropical Agriculture, Graduate School</td>
<td></td>
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<tr>
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