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CATALOGUE
AND
ANNOUNCEMENT
OF COURSES
1933-1934

Published Quarterly by the
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Honolulu

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### CALENDAR
#### 1933-1934

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 6</td>
<td>Twenty-second Annual Commencement.</td>
</tr>
<tr>
<td>June 26</td>
<td>Summer Session begins.</td>
</tr>
<tr>
<td>August 1</td>
<td>Last day for receiving applications for admission, Fall Semester.</td>
</tr>
<tr>
<td>August 4</td>
<td>Summer Session closes.</td>
</tr>
<tr>
<td>September 6-7</td>
<td>“Freshman Week.”</td>
</tr>
<tr>
<td>September 8-9</td>
<td>Registration, Twenty-sixth Annual Session.</td>
</tr>
<tr>
<td>September 11</td>
<td>Instruction begins.</td>
</tr>
<tr>
<td>November 11</td>
<td>Armistice Day.</td>
</tr>
<tr>
<td>Nov. 30-Dec. 2</td>
<td>Thanksgiving Recess.</td>
</tr>
<tr>
<td>December 21</td>
<td>Christmas Recess begins.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
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<tbody>
<tr>
<td>1934</td>
<td></td>
</tr>
<tr>
<td>January 4</td>
<td>Work resumed.</td>
</tr>
<tr>
<td>January 19-25</td>
<td>Mid-year examinations.</td>
</tr>
<tr>
<td>January 30</td>
<td>Registration, Second Semester.</td>
</tr>
<tr>
<td>February 22</td>
<td>Washington’s Birthday.</td>
</tr>
<tr>
<td>March 30-31</td>
<td>Good Friday Recess.</td>
</tr>
<tr>
<td>May 4</td>
<td>Eleventh Annual Contest for Berndt Prize.</td>
</tr>
<tr>
<td>May 26-June 1</td>
<td>Final Examinations.</td>
</tr>
<tr>
<td>June 5</td>
<td>Twenty-third Annual Commencement.</td>
</tr>
<tr>
<td>August 1</td>
<td>Last day for receiving applications for admission, Fall Semester.</td>
</tr>
<tr>
<td>September 5-6</td>
<td>“Freshman Week.”</td>
</tr>
<tr>
<td>September 7-8</td>
<td>Registration, Twenty-seventh Annual Session.</td>
</tr>
</tbody>
</table>
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 offers courses in the arts and sciences, education, commerce, agriculture, engineering, sugar technology, police administration, and home economics. Evening courses are offered.

SEMESTERS.—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 12 to January 28, the second semester from January 31 to June 6, and the 1933 summer session is from June 26 to August 4.

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 6-7. 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, therefore, receives annually $50,000 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, and two are ex-officio, the President of the Board of Agriculture and Forestry and the President of the University.

* See Page 34.
THE BOARD OF REGENTS

George Li Brown, (1925)*
Board of Agriculture and Forestry, Honolulu

David L. Crawford, (1927)
University of Hawaii, Honolulu

Arthur Lyman Dean, (1932)
Alexander & Baldwin, Ltd., Honolulu

†Carl A. Farden, (1933)
A. H. P. C. Experiment Station, Honolulu

Mary Dillingham Frear, (1920)
1434 Punahou Street, Honolulu

Charles R. Hemenway, (1910)
Alexander & Baldwin, Ltd., Honolulu

Arthur G. Smith, (1918)
Smith, Wild and Beebe, 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.
† Replacing Rev. Akaiko Akana, who served from 1921 to the date of his death, February 16, 1933.
EXECUTIVE OFFICERS

David L. Crawford, M.A., President of the University
2355 Oahu Ave. Hawai'i Hall 104

Arthur R. Keller, M.S., Vice-President
2456 Oahu Ave. Hawai'i Hall 110

Arthur L. Andrews, Ph.D., Dean of the Faculties
2346 Liloa Rise Hawai'i Hall 118

Leonora Neuffer Bilger, Ph.D., Dean of Women
2328 Seaview Ave. Hawai'i Hall 212

Thayne M. Livesay, Ph.D., Director of Admissions and Director
of Summer Session
2610 Upper Manoa Rd. Hawai'i Hall 117

Harold S. Palmer, Ph.D., Chairman, Committee on Graduate Study
1450 Kewalo St. Dean Hall 4

Gerald R. Kinnear, M.B.A., Treasurer
3041 Oahu Ave. Hawai'i Hall 107

Helen B. MacNeil, M.A., Registrar
2010 Hunnewell St. Hawai'i Hall 115

Mary P. Pringle, Librarian
Pleasanton Hotel Library 3
COMMITTEES OF THE FACULTY

(1932-1933)


Admissions: T. M. Livesay (Chairman), Deans Keller, George, and Wist, C. C. Robinson.


Convocations and Assemblies: A. L. Andrews (Chairman), A. G. Clarke, B. O. Wist, N. B. Beck, L. N. Bilger (Secretary), and Vernon Harry representing the students.
COLLEGE OF ARTS AND SCIENCES

Dean: William H. George, Ph.D.

ANTHROPOLOGY:

HARRY L. SHAPIRO, Ph.D., Research Professor of 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., University New Zealand, 1910; Fellow of New Zealand Institute; Ethnologist at Bishop Museum. 2739 Terrace Dr. Bishop Museum

E. S. C. HANDY, Ph.D., Lecturer in Anthropology and Ethnology, (1932)

WILLIAM A. LESSA, A.B., Research Associate in Physical Anthropology, (1930) (now in China)
A.B., Harvard Univ., 1928; Graduate Study, Harvard Univ., 1928-1929; Research Fellow, Constitution Clinic, Presbyterian Hospital, New York, 1929-1930.

ART:

ANNIE C. B. McPHAIL, B.Ed., Assistant Professor of Art and Design, (1931)
B.Ed., Univ. California at Los Angeles, 1925. Niumalu Hotel Hawaii Hall 216

HUC-MAZELET LUQUIENS, B.F.A., Assistant Professor of Art, (1924)
B.A., Yale Univ., 1902; B.F.A., Yale Univ., 1908. 1646 Bingham St. Hawaii Hall 214

HENRY H. REMPEL, B.Ed., Instructor in Art, (1929)
B.Ed., Univ. California at Los Angeles, 1928; Graduate Study, Munich, 1931; Vienna, 1932. 2129 Kamehameha Ave. Hawaii Hall 216

BOTANY:

HAROLD ST. JOHN, Ph.D., Professor of Botany, (1929)
A.B., Harvard Univ., 1914; M.A., Harvard Univ., 1913; Ph.D., Harvard Univ., 1917; Graduate Study, Sorbonne, France, 1918. 2365 Oahu Ave. Dean Hall 206

ROSS S. BEAN, B.S., Assistant Professor of Botany, (1927)
B.S., Brigham Young Univ., 1921; Graduate Study, Univ. California, 1925-1927. 1716 Hunnewell St. Dean Hall 207

* Indicates year of appointment on the University Faculty.
University of Hawaii

ERLING CHRISTOPHERSEN, Ph.D., Lecturer in Botany, (1928)
Ph.B., Yale Univ., 1920; Ph.D., Yale Univ., 1924; Botanist at Bishop Museum, Honolulu; formerly at the Royal Frederic Univ., Oslo, Norway.

F. RAYMOND FOSBERG, B.A., Assistant in Botany, (1932)
B.A., Pomona College, 1930.
2365 Oahu Ave.

ECONOMICS AND BUSINESS:

MERTON K. CAMERON, Ph.D., Professor of Economics, (1928)
A.B., Princeton, 1908; M.A., Harvard Univ., 1914; Ph.D., Harvard Univ., 1921.
1524 Halekula Way

MATTHEW M. GRAHAM, C.P.A., Professor of Accounting, (1927)
2646 Oahu Ave.

ALVA E. STEADMAN, LL.B., Lecturer in Business Law, (1929)

WILLIAM H. TAYLOR, B.A., Instructor in Commerce, (1931)
227 Beach Walk

ENGLISH:

ARTHUR L. ANDREWS, Ph.D., 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

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

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

LAURA V. SCHWARTZ, Ph.D., Assistant Professor of English, (1924)
1519-B Wilder-Ave.

ARTHUR E. WYMAN, B.S., Assistant Professor of Dramatic Art, (1930)
B.S., Dartmouth, 1911.

N. B. BECK, M.A., Assistant Professor of English, (1928)
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>Title</th>
<th>Year</th>
<th>Institution(s)</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>THOMAS BLAKE CLARK, M.A.</td>
<td>Instructor in English</td>
<td>(1930)</td>
<td></td>
<td>A.B., Vanderbilt Univ., 1929; M.A., Vanderbilt Univ., 1930.</td>
<td>Moana Hotel</td>
</tr>
<tr>
<td>GEORGE J. PEAVEY, M.A.</td>
<td>Instructor in English</td>
<td>(1930)</td>
<td></td>
<td>A.B., Univ. Denver, 1924; M.A., Univ. Hawaii, 1931.</td>
<td>301-A Saratoga Rd.</td>
</tr>
<tr>
<td>ALICE E. DAVIS, M.A.</td>
<td>Instructor in English</td>
<td>(1931)</td>
<td></td>
<td>Ph.B., Univ. Wisconsin, 1927; M.A., Univ. Chicago, 1928.</td>
<td>702 Prospect St.</td>
</tr>
<tr>
<td>MURIEL J. BERGSTROM, M.A.</td>
<td>Assistant in English</td>
<td>(1931)</td>
<td></td>
<td>A.B., Univ. Michigan, 1909; M.A., Stanford Univ., 1910.</td>
<td>Pleasanton Hotel</td>
</tr>
<tr>
<td>RUTH E. MCKEE, M.A.</td>
<td>Instructor in English</td>
<td>(1932)</td>
<td></td>
<td>B.A., Univ. California at Los Angeles, 1927; M.A., Univ. Hawaii, 1930.</td>
<td>2422-C Tusitala St.</td>
</tr>
<tr>
<td>JOHN WESLEY COULTER, Ph.D.</td>
<td>Assistant Professor of Geography</td>
<td>(1928)</td>
<td></td>
<td>B.A., Univ. California, 1919; M.A., Univ. of California, 1921; Ph.D., Univ. Chicago, 1926.</td>
<td>Makiki Hotel</td>
</tr>
<tr>
<td>LORNA H. JARRETT, M.A.</td>
<td>Assistant Professor of Geography</td>
<td>(1931)</td>
<td></td>
<td>Diploma, Territorial Normal and Training School, 1913, 1925; Univ. California; B.S., Teachers College, Columbia Univ., 1927; M.A., Univ. Hawaii, 1930.</td>
<td>2356 Oahu Ave.</td>
</tr>
<tr>
<td>MARIA HÖRMANN, B.A.</td>
<td>Instructor in German Language</td>
<td>(1927)</td>
<td></td>
<td>Staatsexamen fur Hohere Tochterschulen, Berlin, Germany, 1905; B.A., Univ. Hawaii, 1923.</td>
<td>1036 Green St.</td>
</tr>
<tr>
<td>HELENE BERG, B.A.</td>
<td>Instructor in German Language</td>
<td>(1932)</td>
<td></td>
<td>B.A., Univ. Hawaii, 1931.</td>
<td>Waipahu</td>
</tr>
<tr>
<td>JOHN H. WISE, Professor of Hawaiian Language</td>
<td>(1926)</td>
<td></td>
<td></td>
<td>Oberlin College, 1890-1893.</td>
<td>1910 Fort St.</td>
</tr>
</tbody>
</table>
HISTORY AND POLITICAL SCIENCE:

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

PAUL S. BACHMAN, Ph.D., Assistant Professor of Political Science, (1927)
2163-A Atherton Rd.

RALPH S. KUYKENDALL, M.A., Assistant Professor of History, (1923)
A.B., College of Pacific, 1910; M.A., Univ. California, 1918.
2188 Atherton Rd.

DONALD WINSLOW ROWLAND, Ph.D., Assistant Professor of History, (1930)
A.B., Univ. California, 1925; M.A., Univ. California, 1926; Ph.D., Univ. California, 1930.
2165 Atherton Rd.

JALMER HALLS, B.A., Teaching Fellow in Political Science and History, (1932)
2327 Liloa Rise

ORIENTAL STUDIES:

TASUKU HARADA, DD., 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, 1907-1919; 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, 1913; A.B., Yale Univ., 1917; M.A., Columbia Univ., 1918.
816 Tenth Ave.

GEORGE TADAO KUNITOMO, M.A., Instructor in Japanese Language, (1929)
Graduate Aoyama Gakuin College, Japan, 1918; M.A., Oberlin, 1923.
2136 Kamehameha Ave.

T. Y. CHAR, M.A., Instructor in Chinese Language, (1930)
1548 Young St.

POLICE ADMINISTRATION:

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, 1906; Distinguished Graduate, School of the Line, 1913; Graduate Army Staff College, 1914.
2151 Mohala Way
Hawaii Hall 203
POLITICAL SCIENCE (See History):

PSYCHOLOGY:

THAYNE M. LIVESAY, Ph.D., Professor of Education and Psychology, (1924)
2610 Upper Manoa Rd.

LORLE S. WEEBER, Ph.D., Assistant Professor of Psychology, (1931)
A.B., Bryn Mawr, 1912; A.M., Bryn Mawr, 1913; Ph.D., Columbia Univ., 1916.
3029 Alapali Pl.

MADORAH E. 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, 1925.
Donna Hotel Teachers College 114

PUBLIC HEALTH NURSING:

FRANK H. GAUDIN, M.D., Child Hygiene
M.D., Univ. Toronto, 1927; Hospital for Sick Children, Toronto, 1928-1930.
2521 Manoa Rd.

GERTRUDE F. HOSMER, R.N., B.S., Public Health Nursing
Diploma, Iowa Methodist Hospital School of Nursing, 1914; Diploma postgraduate work in children's and infants' diseases, Boston Floating Hospital, 1914; B.S., Columbia Univ., 1925; Diploma in Public Health Organization and Supervision, Teachers' College, Columbia Univ., 1925; staff nurse, Chicago Visiting Nurse Asso., 1913-1916; County Public Health Nurse, American Red Cross, Hillsdale, Mich., 1919-1920; Director, Public Health Nursing Asso., Terre Haute, Ind., 1920-1923; Instructor and Supervisor of Public Health Nursing, Peking Union Medical College, 1925-1928; Field Supervisor, Territorial Board of Health, Honolulu, 1929.
2908-C Pacific Heights Rd.

AMY MacOWAN, M.A., R.N., Public Health Nursing
A.B., Beloit College, 1914; Diploma, Presbyterian Hospital School for Nurses, Chicago, 1922; M.A., Teachers College, Columbia Univ., 1926; Red Cross County Nurse, Fillmore Co., Nebraska, 1922-1925; Supervisor of School Nursing, Evansville, Ind., 1926-1929; Instructor in Public Health Nursing, Emory University, Summer Session, 1929; Educational Supervisor, Palama Settlement, 1929.
2011-E Lanihuli Dr.

MABEL L. SMYTH, R.N., Public Health Nursing
Diploma, Springfield Hospital Training School of Nursing, Springfield, Mass., 1914; Certificate, Postgraduate work, Public Health Nursing, Simmons College, 1922; Staff Nurse Palama Settlement, Honolulu, 1915-1918; Supervisor, Visiting Nurse Division, Palama Settlement, 1918-1921—22-1927; Director, Division of Maternal and Infant Hygiene and Supervising Nurse, Territorial Board of Health, 1927-1931; Director, Bureau of Public Health Nursing, Territorial Board of Health, 1931.
1734 Beckley St.

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; Officer de l'Instruction Publique; White Cross Spanish Order of Naval Merit.
Royal Hawaiian Hotel Lecture Hall
*MARGUERITE C. RAND, M.A., Assistant Professor of Romance Languages, (1931)
B.A., Pomona College, 1919; M.A., Stanford Univ., 1922; Graduate Study, Centro de Estudios Historicos, Madrid, Spain, 1923; Sorbonne, Paris, 1930.

HELENE BOUCHER BIGGS, A.B., Instructor in French, (1928)
A.B., Oberlin College, 1917; Graduate Study, Univ. Chicago; Study in Paris, 1917-1919 and 1923.

2422-C Tusitala St. Hawaii Hall 202

SOCIOLGY:

ROMANZIO ADAMS, Ph.D., Professor of Sociology, (1920)
A.B., Univ. Michigan, 1897; M.A., Univ. Michigan, 1898; Ph.D., Univ. Chicago, 1904.

2315 Liloa Rise Library 4

ROBERT E. PARK, Ph.D., Research Professor of Sociology
Ph.B., Univ. Michigan, 1887; M.A., Harvard Univ., 1899; Ph.D., Heidelberg Univ., 1904; Professor of Sociology, Univ. Chicago.
On travel status.

ANDREW W. LIND, Ph.D., Assistant Professor of Sociology, (1927)

2979 Kalakaua Ave. Library 4

EDGAR T. THOMPSON, Ph.D., Instructor in Sociology, (1932)
B.A., Univ. South Carolina, 1922; M.A., Univ. Missouri, 1924; Ph.D., Univ. Chicago, 1932.

2133 McKinley St. Library 4

MARGARET BERGEN, Lecturer in Sociology, (1929)
Formerly Director of Social Service Bureau, Honolulu.

2315 Liloa Rise Library 4

NELL FINDLEY, Lecturer in Sociology, (1933)
Graduate San Francisco State Teachers College, 1907; New York School of Social Work, 1921-22; Executive Secretary, Social Service Bureau, Honolulu.

1134 Miller St. Library 4

LLOYD R. KILLAM, M.A., Lecturer in Sociology, (1927)
A.B., Jewell, 1908; M.A., Brown, 1911; M.A., Columbia Univ., 1927; Director, Hawaii School of Religion.

3020 Seaview Rise, Woodlawn School of Religion

MARGARET M. LAM, M.A., Assistant in Sociology, (1930)

1439 Keeaumoku St. Library 4

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.

Absent on Leave Second Semester

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

2268 Nuuanu Ave. Dean Hall 104

* Resigned February, 1933.
Faculty

JENS M. OSTERGAARD, Instructor in Zoology, (1920)
2543 Waolani Ave.
Dean Hall 107

MERRILL K. RILEY, M.S., Instructor in Entomology and Zoology, (1929)
B.S., Colorado State College, 1927; M.S., South Dakota State College, 1929; Graduate Study, Iowa State College, 1931-1932.
2535-B East Manoa Rd.
Dean Hall 101

SPENCER TINKER, B.S., Assistant in Zoology, (1932)
2327 Liloa Rise
Dean Hall 101

COLLEGE OF APPLIED SCIENCE
Dean: Arthur R. Keller, M.S.

AGRICULTURAL SCIENCES:

AGRICULTURE:

LOUIS A. HENKE, M.S., Professor of Agriculture, (1916)
B.S., Univ. Wisconsin, 1912; M.S., Univ. Wisconsin, 1923; Graduate Study, Univ. Wisconsin, 1929-1930.
2657 Terrace Dr.
Hawaii Hall 4

HAROLD A. WADSWORTH, B.S., Associate Professor of Agriculture, (1928)
2236 Hyde St.
Hawaii Hall 2 A

JULIUS L. COLLINS, Ph.D., Associate Professor of Genetics, (1930)
B.S., Univ. California, 1918; Ph.D., Univ. California, 1923; Geneticist, A. H. P. C. Experiment Station.
1938 Awapuhi St.
A. H. P. C. Station

J. M. WESTGATE, M.S., Lecturer in Agronomy and Tropical Agriculture, (1929)
B.S., Kansas Agric. College, 1897; M.S., Kansas Agric. College, 1899; Graduate Study, Univ. Chicago, 1901-1903; Director of Hawaii Agricultural Experiment Station.
Experiment Station Reservation
Tantalus Road
Hawaii Hall 8

CARROLL P. WILSIE, Ph.D., Assistant Professor of Agronomy and Genetics, (1931)
B.S., Univ. Wisconsin, 1926; Graduate Study, Univ. Illinois, 1926-1927; Ph.D., Michigan State College, 1931; Hawaii Expt. Station Agronomist.
2134 Lanihuli Dr.
Hawaii Hall 8

CHARLES M. BICE, B.S., Assistant Professor of Poultry Husbandry, (1927)
B.S., Univ. Wisconsin, 1927.
1616 Kewalo St.
Poultry Place

GEORGE W. H. GOO, B.S., Assistant in Animal Husbandry, (1931)
B.S., Univ. Hawaii, 1929.
1310 Matlock Ave.
Hawaii Hall 8
University of Hawaii

BOTANY:

ROSS S. BEAN, B.S., Assistant Professor of Botany, (1927)
B.S., Brigham Young Univ., 1921; Graduate Study, Univ. California, 1925-1927.
1716 Hunnewell St. Dean Hall 207

OSCAR NELSON ALLEN, Ph.D., Assistant Professor of Plant Pathology and Bacteriology, (1930)
B.A., Univ. Texas, 1927; M.A., Univ. Texas, 1927; Ph.D., Univ. Wisconsin, 1930.
2211 Mohala Way Dean Hall 203

ENTOMOLOGY:

MERRILL K. RILEY, M.S., Instructor in Entomology, (1929)
B.S., Colorado State College, 1927; M.S., South Dakota State College, 1929; Graduate Study, Iowa State College, 1931-1932.
2535-B East Manoa Rd. Dean Hall 101

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, 1922-1923.
207 Lewers St. Gartley Hall 201 A

EARL M. BILGER, Ph.D., Assistant Professor of Chemistry, (1925)
B.S., Wesleyan Univ., 1920; M.A., Wesleyan Univ., 1921; Ph.D., Yale Univ., 1925; Graduate Study, Univ. Cincinnati, 1928-1929.
2328 Seaview Ave. Gartley Hall 201

W. R. McALLEP, Lecturer on Sugar Manufacture, (1919)
Sugar Technologist, H. S. P. A. Experiment Station, Honolulu.
2031 Vancouver Highway

GICHI FUJIMOTO, M.S., Instructor in Chemistry, (1921)
B.S., Univ. Hawaii, 1921; M.S., Univ. Hawaii, 1923.
1524 Farrington St. Gartley Hall 208

JOHN H. PAYNE, Ph.D., Instructor in Chemistry, (1932)
B.S., Butler Univ., 1927; M.A., Univ. Cincinnati, 1928; Ph.D., Univ. Cincinnati, 1930; Research Fellow Univ. Munich, 1930-1931.
2407 Sonoma Dr. Gartley Hall 209

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.
2456 Oahu Ave. Hawaii Hall 110 Engin. 21

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 St. Engin. 23

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.
943 Alewa Dr. Engin. 27
ERNEST C. WEBSTER, C.E., Professor of Engineering and Mathematics, (1925)
Ph.B., Yale Univ., 1904; C.E., Yale Univ., 1906.
1836 Punahou St.

GEOLOGY:

HAROLD S. PALMER, Ph.D., Professor of Geology, (1920)
B.A., Yale Univ., 1912; Ph.D., Yale Univ., 1923; Graduate Study, Univ. Vienna, 1926-1927.
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Formerly head of Vienna School of Costume Design, San Francisco; Exposition of the New Applied Art, Paris, France; Viennet School of Design, Paris, France, 1925.
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1926-1927; Special Research, Rothamstead Experiment Station and
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1916-1918; Asst. Prof. Chemistry, Cincinnati, 1918-24, 1926-27; Prof.
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1938 Awapuhi A. H. P. C. Sta.

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1821 Makiki Street

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B.D., College of Sacred Hearts; B.D., Gregorian University, Rome, 1909.
Hecia, Oahu

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ERNEST S. FUJINAGA, S.T.M., Instructor in Comparative Religion
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Mary Moody, B.A., Manager of Univ. Cafeteria, Women's Dormitory
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HARRY L. DENISON, B.S., Business Manager

OLIVE S. CUNNINGHAM, Secretary to the Director
Villa Hotel Adm. Bldg.

CLAIRE B. REICHELT, Secretary to the Business Manager
Donna Hotel Adm. Bldg.

EMMA WILSON, Librarian
3807 Maunaloa Ave.
1319 Emma St. Adm. Bldg.

KAUI WILCOX SNELL, B.A., Stenographer
B.A., Univ. Hawaii, 1926.

AUDREY HOOPER, Stenographer
Donna Hotel Ent.-Nem. Bldg.

AGRICULTURE:
WILL NORMAN KING, B.S., Agriculturist
B.S., Univ. Hawaii, 1921.
Wahiawa, Oahu Wahiawa Office

* Also member of instructional staff.
WILLIAM A. BALDWIN, Ph.B., Assistant Agriculturalist and Agent for Maui
Ph.B., Yale, 1892.
Makawao, Maui
Maui Office

HENRY O. THOMPSON, B.S., Assistant Agriculturist
B.S., Univ. Hawaii, 1926.
Wahiawa, Oahu
Wahiawa Office

CHEMISTRY:

OSCAR C. MAGISTAD, Ph.D., Chemist
B.S., Univ. Wisconsin, 1922; M.S., Univ. Wisconsin, 1923; Ph.D., Univ. Wisconsin, 1924.
2226 Hyde St.
Chem. Bldg.

FRANCIS A. E. ABEL, M.S., Assistant Chemist
B.S., Univ. Hawaii, 1921; M.S., Univ. Hawaii, 1924.
4604 Kahala Ave.
Chem. Bldg.

CARL A. FARDEN, B.S., Assistant Chemist
B.S., Univ. Hawaii, 1924.
2306 Marques St.
Chem. Bldg.

LILLIAN S. K. LOUIS, B.S., Analyst
B.S., Univ. Hawaii, 1931.
1060 Koko Head Ave.
Chem. Bldg.

ENTOMOLOGY:

WALTER CARTER, Ph.D., Entomologist
B.S., Univ. Montana, 1923; M.S., Univ. Minnesota, 1924; Ph.D., Univ. Minnesota, 1928.
2128 Kamehameha Ave.
Ent.-Nem. Bldg.

KIYOSHI ITO, B.S., Assistant Entomologist
B.S., Univ. Hawaii, 1929.
2675 Nakookoo St.
Ent.-Nem. Bldg.

KAY SAKIMURA, Assistant Entomologist
Yamaguchi School, Japan.
2370 Kaaha Lane
Ent.-Nem. Bldg.

JOHN SYDNEY PHILLIPS, M.A., Research Fellow in Entomology
2162 Atherton Rd.
Ent.-Nem. Bldg.

CARL T. SCHMIDT, B.A., Research Fellow in Entomology
B.A., Univ. Minnesota, 1929.
Colonial Hotel
Ent.-Nem. Bldg.

GENETICS:

JULIUS L. COLLINS, Ph.D., Geneticist
B.S., Univ. California, 1918; Ph.D., Univ. California, 1923.
1938 Awapuhi
Adm. Bldg.

KENNETH KERNS, M.S., Assistant Geneticist
B.S., Univ. Hawaii, 1926; M.S., Univ. Hawaii, 1931; Graduate Study Univ. Berlin, 1931-1932.
Wahiawa, Oahu
Wahiawa Office
NEMATOLOGY:

JULIETTE OLIVEIRA, M.S., Assistant Nematologist
1541 Fort St.

PATHOLOGY:

MAURICE B. LINFORD, Ph.D., Pathologist
B.S., Utah Agricultural College, 1922; M. A., Utah Agricultural College, 1924; Ph.D., Univ. Wisconsin, 1927.
2004 Hunnewell St.

FERDINAND P. MEHRICH, Ph. D., Assistant Pathologist
A.B., Butler Univ., 1927; Ph.D., Univ. Wisconsin, 1930.
2221 Waikolu Way

CARL H. SPIEGELBERG, M.S., Assistant Pathologist
B.S., Washington State College, 1924; M.S., Washington State College, 1925; Graduate Study, Univ. Maryland, 1926-1927.
MacDonald Hotel

MARJORIE WEST LORIMER, M.A., Assistant Pathologist
2117 McKinley St.

PHYSIOLOGY:

CHRISTOS PLUTARCH SIDERIS, Ph.D., Physiologist
B.C., Samos Lyceum, Greece, 1909; B.S., Univ. California, 1921; Ph.D., Univ. California, 1924.
2633 Pamo Rd.

BEATRICE H. KRAUSS, M.S., Assistant Physiologist
B.S., Univ. Hawaii, 1926; M.S., Univ. Hawaii, 1930.
2557 Parker Pl.
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 has a fully accredited standing in 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 largest 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, and several non-academic units. The University Extension 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 Association of Hawaiian Pineapple Canners.

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 Association of Hawaiian Pineapple Canners 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 on the University campus 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.

COOPERATING INSTITUTIONS

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

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.

Rockefeller Foundation. A grant of $30,000 a year is made to the University of Hawaii by the Rockefeller Foundation for research in the field of racial blends. The objective of this research is to discover the mental, physical, and cultural effects of the blending of the races which are resident in the Hawaiian Islands. This should have an important bearing on the future welfare of the people around the Pacific Ocean.

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, the Lecture Hall, the Engineering Quadrangle and the Gymnasium. 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. The Lecture Hall is used as an auditorium and is well equipped for dramatic work. The engineering laboratories and classrooms are located in the five one-story concrete buildings which compose the Engineering Quadrangle.

The Library, which contains approximately 65,000 volumes and 200,000 pamphlets, is a depository for government publications. Extensive collections of Chinese and Japanese works, catalogued 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, a dormitory for women students, and a section of the Mid-Pacific Institute dormitories. 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.

Other buildings connected with the University include the R. O. T. C. Building, Hawaii Annex, which houses the Psychological Clinic and the offices of the English department, 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 live stock 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 portions of the types and cotypes of plants described by Dr. W. Hillebrand, together with the types of new species, form the most valuable part of the herbarium.
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. Applications 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 a combination of two or more of these ways, evidence of satisfactory preparation in at least 15 units of high school work (12 units from the 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 Junior High Schools.) Every applicant must, in addition, satisfy all entrance requirements of the college in which he expects to take his work. (Pages 46, 51, 59.)

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 unless 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 the 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 a 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 (physical and biological), and social science.

* Credit in entrance for languages will not be granted unless at least 2 units in some one language are offered.
Any other 5 (or 4) subjects or combinations of subjects to total 5 (or 4) units, credited by the school toward its diploma, will be accepted. However, in no case will more than 2 units nor 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 fully meet 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

\(^*\) Courses which Auditors may attend are designated in the catalog by an asterisk \( (*) \).
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 page 40.

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.

To remain in the University it is necessary (1) to earn in any semester grade points at least equal in number to registered credits; (2) to have earned after two semesters’ attendance 1.5 times as many grade points as total registered credits; (3) 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.

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. 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.

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 first two years of all physically fit male students who are citizens of the United States, but is optional in the third and fourth 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 at least once a year. This examination is made by an authorized physician under the direction of the Health 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 five 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 completed a minimum of 30 semester hours in residence at the University and in addition have either (1) been in full attendance during the year just preceding the granting of the degree (full attendance being understood as a minimum of 14 semester hours per semester) or (2) attended four consecutive Summer Sessions just preceding the granting of the degree carrying a minimum total of 24 semester hours during these Summer Sessions, or (3) earned a minimum total of 28 residence credits by carrying not less than 4 semester hours per semester and 6 semester hours per Summer Session in any consecutive combination of two years and two Summer Sessions 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 now or previously registered in the University 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>20</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>6</td>
<td>English 100, or 102.</td>
</tr>
<tr>
<td>Other Non-Science subjects:</td>
<td></td>
<td></td>
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<tr>
<td>History, Language, Economics</td>
<td></td>
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</tr>
</tbody>
</table>

SUBJECTS STRONGLY URGED

<table>
<thead>
<tr>
<th>SEMESTER HOURS</th>
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<tbody>
<tr>
<td>6 to 12</td>
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<tr>
<td>3 to 6</td>
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<td>3 to 6</td>
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<td>3 to 6</td>
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</tbody>
</table>

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 local teachers and others 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 School, conducted in Hawaii National Park near the world famous Kilauea crater, as a branch of the regular Summer Session, offers several courses for teachers in addition to courses in volcanology, geology, and natural history.
Summer Session students, both graduate and undergraduate, pay a registration fee of $10.00 and an additional fee of $3.00 per 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 the summer courses are of equal worth with credits in the regular courses, applicable toward a Bachelor's or an advanced degree.

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 and faculties of the 1933 Summer Session, June 26 to August 4, will be sent upon request. The Volcano School will be in session from June 19 to July 28, 1933.

THE UNIVERSITY EXTENSION DIVISION

The University Extension 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.

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 are not included in this catalogue, but may be obtained from the University Extension Division.

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, racial and comparative psychology, anthropology, sociology, history, international relations, education and psychology, chemistry, 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.

Graduate study in both colleges is conducted in one informally organized functional division of the University, under the direction of a faculty committee, the chairman of which functions as dean and director. Included in this general division, but administratively distinct, is the Graduate School of Tropical Agriculture, in which several research institutions have joined cooperatively with the University; namely, the experiment stations of the Hawaiian Sugar Planters’ Association and the Association of Hawaiian Pineapple Canners, the Hawaii Experiment Station, and
the Bishop Museum. This School, under the direction of a dean and a committee representative of the cooperating institutions, maintains its own faculty and sets its own standards, all in conformity with basic standards of the University as determined by the faculty committee on graduate study.

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 63. 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 Committee on Graduate Work after examination of the transcript of record of the candidate.

Courses numbered 300 and over in this catalogue 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 in writing to the Chairman of the Committee on Graduate Work not later than October 1 for the first semester, or February 10 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 advanced work may be restricted to one field or subject, or to a major and a minor, or to a major and two minors; but at least one-half of the work must be in the major, and the minors must be so correlated with the major as to satisfy the Committee on Graduate Work that the candidate is working with a definite and scholarly purpose. 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.

The Graduate Student works at first under direction of an advisor and later under the direction of a special committee appointed by the Chairman of the Committee on Graduate Work. The student who desires to earn a Master's degree will at first be registered simply as a "Graduate Student," but, normally, will later be admitted to "Candidacy" for the degree. Full time Graduate Students should make such application during the first semester of their work. Part time students should make
the application after having earned between 8 and 14 of the 30 semester hours of credit that are required. Forms for the application may be had from the Chairman of the Committee on Graduate Work, who, on receipt of the completed application, will appoint a special committee to determine whether admission to candidacy shall or shall not be granted on the basis of a qualifying examination or conference or both.

The title of the thesis, together with the written approval of the chairman of the committee in charge, must be furnished to the Committee on Graduate Work before the end of the semester preceding that in which the degree is to be taken.

The completed thesis must be presented to the Committee on Graduate Work at least one week before the date set for the candidate's examination, and must win the approval of the committee in charge of his candidacy by demonstrating his ability not only to do original work, but also to present the results of that work in creditable form. The thesis, accompanied by the written approval of the chairman of the candidate's committee, will be returned temporarily for use in the examination. Before the candidate is granted a degree, a typewritten copy and a carbon copy of the thesis on pages 8½ x 11 inches in size, bearing the written approval of the chairman of the committee in charge of the candidacy, must be deposited in the Library as the permanent property of the University, together with a fee sufficient to pay for binding both copies.

The examination for the degree will be conducted by the committee in charge of the candidate's work, and may be either written or oral, or both. It shall be open to all members of the faculty. The candidate must apply in writing to the Chairman of the Committee on Graduate Work not later than April 15, or January 1, for an examination. The request must bear the approval of the chairman of the committee in charge of his candidacy, and must also be accompanied by a short summary (one or two pages) of his thesis. Announcement of the time and place of examination will be made not later than May 1 for the second semester, or January 15 for the first semester.

Suitable forms for the reporting of the thesis title and for requesting the final examination may be had of the Chairman of the Committee on Graduate Work.

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 $100.00 an academic year, or $50.00 a semester. Part-time students, including auditors and extension students, taking a program of 10 credit hours or less, pay a tuition fee of $3.00 a credit hour.

In addition to the tuition fee, a registration fee of $10.00 a semester is charged all except extension students, regardless of the number of credit hours for which they register. Extension students pay a registration fee of $5.00.

No refunds will be made after the two week 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 $1.00.

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 $5.00 at the time of graduation. A fee of one dollar is charged for each copy of transcript of record after the first such copy has been issued.

All graduate students pay a fee of $5.00 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 borrowed from or purchased through the University business office.

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 $5.00 at the time of graduation. A fee of one dollar is charged for each copy of transcript of record after the first such copy has been issued.

The use of steel book lockers may be secured from the business office by making a deposit of $1.75, seventy-five 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 $40.00 to $55.00 a month. The rate for rooms in the Women's Dormitory is $15.00 a month, $63.00 a semester, or $126.00 for the academic year of 36 weeks. Residents of the Women's Dormitory take their meals in the University Cafeteria, where the prices are reasonable. Less expensive accommodations for 40 women are available in a section of the Dormitory of Mid-Pacific Institute, which adjoins the University Campus. A number of student boarding houses in Honolulu are listed in the office of the Dean of Women.

It is estimated that the total expense to an average student is from $500.00 to $600.00 per 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 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 dramatic organization, numbering among its members persons of a dozen nationalities, which annually presents a Caucasian, Japanese, and Chinese drama, and a Hawaiian pageant, 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.

SCHOLARSHIPS, LOANS, AND PRIZES

The University offers financial aid in the form both of scholarships and loans. Some scholarships are available only to persons named by the donors, but most of them are awarded by a University committee. All scholarships are awarded annually. 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 in May each year. Loans may be applied for through the Loan Fund Committee at any time.

SCHOLARSHIPS

Associated Women Students — Two scholarships of $50 each awarded to regular women 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 Students' Alliance — The Chinese Students' Alliance of Honolulu offers four scholarships of $75 each to members of the Chinese Students' Alliance who are above Freshman standing. The money is obtained from the annual interest on a building fund.

Daughters of American Revolution — Aloha Chapter, D. A. R., offers two scholarships of $100 each, one to be used for a girl taking the Home Economics Course, and one to be given preferably to a girl of Revolutionary ancestry.

Hilo Chamber of Commerce — Scholarships of $100 each, awarded by a committee of the Hilo Chamber of Commerce to residents of East Hawaii who desire to take a full regular course at the University of Hawaii.

Hui Pookela — A scholarship of $50 awarded to a regular Junior or Senior woman student.

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

Leora Parmelee Dean — The sum of $100 awarded by the Women'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 awarded to a meritorious and needy upperclass student.

Maui Hawaiian Woman's Club — A scholarship of $100 awarded to a graduate of a Maui High School.
Maui Woman's Club—A scholarship of $100 awarded by the Maui Woman’s Club to a graduate of a Maui High School.

Phi Beta Kappa—A scholarship of $100 awarded to a meritorious Senior student.

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 fully pay their educational expenses.

Ruth C. Scudder—A scholarship 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, awarded as a scholarship to a male student.

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

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

LOAN FUNDS

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

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

The Representative Club Fund, available to students selected on the basis of need and scholastic standing.

The George H. Lamy Loan Fund is open to students in Engineering.

The Senior Loan Fund is available to seniors of any college.

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

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

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

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

The Rotary Club Loan Fund, available to students designated by the donor.

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

The American Association of University Women of Honolulu offers loan fund aid to needy women students.

The Chinese Women’s University Club maintains a loan fund for Chinese women students.

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

The Maui Woman’s Club Loan Fund is open to University students who have graduated from Maui High Schools.
The Associated Women Students Loan Fund provides small loans to women students for short periods of time.

The Te Chih Sheh Loan Fund provides small loans for members of Te Chih Sheh.

PRIZES

Berndt Prize for Public Speaking—A prize of $100 annually is offered by Mr. Emil A. Berndt, of Honolulu, for a contest in Public Speaking. This contest is open to all undergraduates, and in certain cases to special students who are registered for twelve or more semester hours.

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, as selected by Phi Kappa Phi.
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 34 and 35 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 Junior High 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 47).
(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 French 101, Spanish 101, German 101, or an equivalent by the end of the Sophomore year; or Oriental Studies 200, 200-B, or 202, Hawaiian 200, or an equivalent by the end of the Junior year. If advanced credit covering any one 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 semester hours a semester. Except as provided below, no student in the College of Arts and Sciences shall be permitted to register for more than 16 semester hours in any semester, in addition to the prescribed courses in Military Drill and Physical Education. Students who have, however, during the preceding semester, gained a minimum of 45 grade points may register for 18 credit hours, in addition to Military Drill and Physical Education; as may Freshmen during their

* For an explanation of grade points see page 36.
first semester, provided their grades in the subjects offered for entrance average 85% or more.

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

**Prescribed Courses**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year</td>
<td></td>
</tr>
<tr>
<td>English 100 or 102</td>
<td>3</td>
</tr>
<tr>
<td>Science*</td>
<td>3 or 4</td>
</tr>
<tr>
<td>Pol. Sci. 150, 151</td>
<td>3</td>
</tr>
<tr>
<td>Modern Language</td>
<td>3</td>
</tr>
<tr>
<td>Mil. Sc.</td>
<td>1</td>
</tr>
<tr>
<td>Phys. Ed.</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17-18</strong></td>
</tr>
</tbody>
</table>

| Second Year | |
| English 130 | 3 |
| Science* | 3 or 4 |
| Modern Language† | 3 |
| Mil. Sc. | 2 |
| Phys. Ed. | 1 |
| Elective | 6-12 |
| **Total** | **16-18** |

**Third and Fourth Years**

All electives, provided the modern language requirement has been met.

**Group Electives**

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 pre-requisites of the courses are satisfied. The student is expected, however, to map out a plan of study with the aid of a faculty advisor. 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. Of the elective courses at least 42 semester hours are to be chosen from the courses in History, Political Science, Sociology, Economics, Geography, Psychology, Police Administration, and Oriental studies listed as follows:

* Chem. 101 or 102, or Bot. 101, or Zool. 150, 151, or Survey 100, or Psychol. 150, 152. This requirement may be met either in the Freshman or the Sophomore year.

† Unless met by end of Freshman Year.
First and Second Years:
- History 100, 140
- Geography 150, 151
- Political Science 170, 171
- Economics 130, 151
- Sociology 150, 151, 160, 161
- Psychology 150

Third and Fourth Years:
- History 204, 242, 243, 244, 245, 253, 276, 310, 311, 327
- Geography 252, 253, 300
- Political Science 200, 252, 256, 258, 261, 266, 270, 273, 330
- Economics 250, 261, 270, 276, 281, 285, 300
- Psychology 280
- Oriental Studies 224, 225, 228, 241, 291
- Police Administration 250, 251, 252, 253, 254

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 123; History 100; Political Science 170, 200; Psychology 252; Sociology 150, 151; Oriental Studies 291.

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 37.

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 38.

First and Second Years:
- Chemistry 101, 102, 150, 151, 152, 153, 161
- Botany 101, 102, 106, 107, 151, 155, 156, 157, 158, 263
- Zoology 100, 102, 150, 151, 152, 153, 170, 171
- Mathematics 104, 106, 149, 150, 151, 152, 153
- Physics 102, 150, 151, 153

Third and Fourth Years:
- Chemistry 211, 212, 213, 214, 215, 216, 217, 230, 240, 260, 261, 262, 263, 318
- Botany 200, 208, 210, 253, 254, 256, 258, 260, 265, 300, 301
- Zoology 251, 253, 254, 255, 291, 300
- Physics 202, 250, 253, 255, 257, 261, 361
- Geology 252, 253, 255, 256, 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, Sociology, Political Science, His-
Specialization in Economics and Business begins in the Junior year. The student then selects, with the assistance of the group advisor, 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) Accounting, and (e) Foreign Trade. 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**

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 100 or 102</td>
</tr>
<tr>
<td>Political Science 150, 151</td>
</tr>
<tr>
<td>Modern Language (French, German, Spanish, Hawaiian, Japanese or Chinese)</td>
</tr>
<tr>
<td>Geography 150, 151</td>
</tr>
</tbody>
</table>

**Second Year**

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 130</td>
</tr>
<tr>
<td>Modern Language (Continued)</td>
</tr>
<tr>
<td>Economics 150-151 or 152</td>
</tr>
<tr>
<td>Business 150-151 or 152-153</td>
</tr>
</tbody>
</table>

**Third and Fourth Years**

**Business Management and Finance**

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business 250-251 or 252-253, 255, 260-261, 264, 265, 266, 267, 270-271, 291</td>
</tr>
<tr>
<td>Economics 260, 261, 265, 281</td>
</tr>
<tr>
<td>English 201</td>
</tr>
</tbody>
</table>

**Merchandising**

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 274</td>
</tr>
<tr>
<td>Business 259, 260-261, 264, 270-271, 273, 276, 280</td>
</tr>
<tr>
<td>Economics 260, 261, 270, 273</td>
</tr>
<tr>
<td>English 201</td>
</tr>
</tbody>
</table>

**Foreign Trade**

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business 260-261, 264, 270-271, 275</td>
</tr>
<tr>
<td>Economics 250, 260, 265, 273, 285</td>
</tr>
<tr>
<td>English 201</td>
</tr>
<tr>
<td>Geography 252, 253</td>
</tr>
</tbody>
</table>

**Accounting**

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics 260</td>
</tr>
<tr>
<td>English 201</td>
</tr>
</tbody>
</table>
University of Hawaii.

Economics

Business 255, 260-261, 291
Economics 250, 260, 261, 265, 270, 276, 281, 285
English 201
Political Science and History (6 credit hours)
Sociology (3 credit hours)

Program for Business Women

Art 274
Business 259, 260-261, 264, 270-271, 273, 276, 280, 291
Economics 260, 281
Political Science and History (6 credit hours)
Sociology (3 credit hours)
COLLEGE OF APPLIED SCIENCE

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 military science and physical education are required of all students.

Admission. Candidates who wish to complete the engineering course in four years must present credentials showing they have 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 37).

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**

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>THIRD YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botany 101</td>
<td>Agriculture 250</td>
</tr>
<tr>
<td>Chemistry 101 or 102</td>
<td>Agriculture 251</td>
</tr>
<tr>
<td>English 100 or 102</td>
<td>Agriculture 254</td>
</tr>
<tr>
<td>Mathematics 149 or 150, 151</td>
<td></td>
</tr>
<tr>
<td>Military Science and</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECOND YEAR</th>
<th>FOURTH YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics 102</td>
<td>No required courses, except</td>
</tr>
<tr>
<td>English 120 or 130</td>
<td>that major requirements must</td>
</tr>
<tr>
<td>Military Science and</td>
<td>be satisfied.</td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
</tr>
</tbody>
</table>

Before the end of the Freshman year, a student must submit for approval, to the Advisor 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) pineapple culture, (c) livestock, or (d) he may specially prepare himself for further work in soil or plant 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 the 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 .................................. 60</td>
</tr>
<tr>
<td>General Agricultural courses ................................ 20</td>
</tr>
<tr>
<td>Major Agricultural requirement (Not including general courses) ................................ 16</td>
</tr>
<tr>
<td>Free electives—either agricultural courses in other than major branch or general electives ................................ 40*</td>
</tr>
</tbody>
</table>

| Total requirement .............................................. 136 |

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 Advisor and Dean. Students who wish the Secondary School Teaching Diploma must register in the Teachers College for a fifth (postgraduate) year of work.

* The number of free electives will decrease as the credits in the three groups above are increased.
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 151  
Mechanical Drawing 133  
Mechanical Engineering 150  
Mathematics 106  
Physics 150, 151  
English 120 or 130  
Military Science  
Physical Education

**THIRD YEAR**  
Civil Engineering 201, 252, 253, 255  
Mechanical Engineering 252  
Engineering Laboratory (X.E.)  
Physics 250, 253  
Economics 152  
Mathematics 250

**FOURTH YEAR**  
Civil Engineering 227, 276, 277, 279  
Mechanical Engineering 282, 283  
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 in-
dustry. 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 three 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.

**Sugar-House Engineering Division.** The first year is identical with the course in Engineering, while the second year differs only in the substitution of qualitative analysis and organic chemistry for advanced mechanical drawing. Chemistry is continued in the third year, together with the most essential of the engineering subjects. Students in this division take sugar analysis and sugar manufacture together with those of the Sugar Agricultural Division.

During the summer vacation between the third and fourth years a minimum of four weeks' work on one of the plantations, or in connection with the work of the Experiment Station of the Hawaiian Sugar Planters' Association, is required of students in all divisions. The student must submit a written report in duplicate 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 Agriculture Division serve as student assistants in the Experiment Station of the Hawaiian Sugar Planters' Association, and those in the Sugar-house Engineering Division serve as special apprentices in the factory of one of the plantations, where they actually perform the manual labor required at the various stations of the mill and boilinghouse. Careful notes must be kept of this work and a report in duplicate submitted at the end of the semester.

This also applies to students in the Sugar Chemistry Division, who may elect either field or factory practice.
## REQUIRED COURSES

### AGRICULTURAL DIVISION

**FIRST YEAR**
- Botany 101
- Chemistry 101 or 102
- Mathematics 150, 151*
- English 100 or 102
- Drawing, M. D. 101
- Military Science
- Physical Education

**SECOND YEAR**
- English 120 or 130
- Chemistry 150, 151
- Physics 102
- Civil Engineering 101
- Military Science
- Physical Education

**THIRD YEAR**
- Agriculture 250, 251, 254
- Sugar Technology 201, 253

**FOURTH YEAR**
- Agriculture 252
- Sugar Technology 250, 252

A summer course (Sugar Technology 253) must be taken in the field 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.

### CHEMISTRY DIVISION

**FIRST YEAR**
- Botany 101
- Chemistry 101 or 102
- Mathematics 150, 151*
- English 100 or 102
- Drawing, M. D. 101
- Military Science
- Physical Education

**SECOND YEAR**
- English 120 or 130
- Chemistry 150, 161
- Physics 102
- Military Science
- Physical Education

**THIRD YEAR**
- Agriculture 250, 251
- Sugar Technology 201, 253
- Chemistry 230

**FOURTH YEAR**
- Agriculture 252
- Sugar Technology 250, 252
- Sugar Technology 255 or 257
- Economics 150

*Students who offer 3 ½ units of mathematics for entrance will not be required to take mathematics 150, 151, but will ordinarily be expected to elect mathematics 152, 153.*
In the summer period following the Junior year the student must take Sugar Technology 253.

The second semester of the Senior year is devoted entirely to Factory Practice (Sugar Technology 257).

**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 advisor 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 a fifth year of work.

To meet a major requirement, students must offer courses totaling at least 18 credits 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**

**HOUSEHOLD SCIENCE**

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>HOUSEHOLD ART</th>
</tr>
</thead>
<tbody>
<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>
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<tr>
<td>Household Science 150</td>
<td>Household Science 150</td>
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<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 or 157</td>
<td>†Botany 156 or 157</td>
</tr>
<tr>
<td>†Geography 151</td>
<td>†Geography 151</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECOND YEAR</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>English 120 or 130</td>
<td>English 120 or 130</td>
</tr>
<tr>
<td>Household Art 114</td>
<td>Household Art 114</td>
</tr>
<tr>
<td>Household Science 102</td>
<td>Household Science 102</td>
</tr>
<tr>
<td>Art 172, 175</td>
<td>Art 154, 155, 172, 175</td>
</tr>
<tr>
<td>Chemistry 152</td>
<td>Economics 150, 151</td>
</tr>
<tr>
<td>†Chemistry 150, 151</td>
<td>Electives 3 to 5 credits each semester</td>
</tr>
<tr>
<td>Economics 150, 151</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>THIRD YEAR</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Household Science 200</td>
<td>Art 250-251</td>
</tr>
<tr>
<td>Home Economics 250</td>
<td>Art 170-171</td>
</tr>
<tr>
<td>Chemistry 260, 262</td>
<td>Household Art 252, 253</td>
</tr>
<tr>
<td>Home Economics 252, 253</td>
<td>Home Economics 250</td>
</tr>
<tr>
<td>Zoology 291</td>
<td>Home Economics 252, 253</td>
</tr>
<tr>
<td>Electives 6 to 9 credits each semester</td>
<td>Household Science 271</td>
</tr>
<tr>
<td>†Sociology 150</td>
<td>Electives 6 to 9 credits each semester</td>
</tr>
<tr>
<td>†Chemistry 263</td>
<td>†Sociology 150</td>
</tr>
</tbody>
</table>

† Suggested electives.
FOURTH YEAR

Household Science 251
Household Science 249
Home Economics 291
Electives 10 to 12 credits each

The total requirement of credits and grade points as stated on page 51 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 73), (4) Physics and Mathematics. 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.

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 38). Attention of entering students is particularly called to the prerequisite for Physics 102. Students who enter with algebra through quadratics, plane geometry, and trigonometry are not required to elect Mathematics 150, 151 in their Freshman year.

Beginning September, 1933, students will not be admitted to Queens' Hospital School for Nurses unless they have completed at least one year

† Suggested electives.
of college work which must include courses in English, chemistry, bacteriology, elementary nutrition and psychology. Students who plan to meet the entrance requirements for this School for Nurses, should register as regular students in the general science course and elect the subjects required.

*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 120 or 130, 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:

(a) Mathematics  (b) Physics  (c) Chemistry
(d) Botany       (e) Zoology     (f) Geology
(g) Economics

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

**GROUP ELECTIVE WORK**

**GROUP A**

**PHYSICAL SCIENCES**

<table>
<thead>
<tr>
<th>1st Year</th>
<th>2nd Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math. 104, 149, 150, 151, 152, 153</td>
<td>Math. 106</td>
</tr>
<tr>
<td>Geog. 150, 151</td>
<td>Phys. 102, 150, 151</td>
</tr>
<tr>
<td>Drawing</td>
<td>Chem. 150, 151, 152, 153, 161</td>
</tr>
<tr>
<td>Language or</td>
<td>Geol. 252, 253, 256</td>
</tr>
<tr>
<td>Political Science 150 and 151</td>
<td>C. E. 101</td>
</tr>
<tr>
<td></td>
<td>M. D. 133</td>
</tr>
<tr>
<td></td>
<td>Language</td>
</tr>
<tr>
<td></td>
<td>Sugar Tech. 201, 250, 252</td>
</tr>
<tr>
<td></td>
<td>History 140</td>
</tr>
<tr>
<td></td>
<td>Phys. 202, 250, 253, 255, 257, 261, 351</td>
</tr>
<tr>
<td></td>
<td>C. E. 231, 252, 253, 255</td>
</tr>
<tr>
<td></td>
<td>M. E. 252, 282</td>
</tr>
<tr>
<td></td>
<td>Geol. 255</td>
</tr>
</tbody>
</table>

**GROUP B**

**BIOLOGICAL SCIENCES**

<table>
<thead>
<tr>
<th>1st Year</th>
<th>2nd Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botany 101</td>
<td>Botany 102, 106, 107, 155, 156, 157</td>
</tr>
<tr>
<td>Zoology 150, 151</td>
<td>Chem. 150, 151, 152, 153, 161</td>
</tr>
<tr>
<td>Geography 150, 151</td>
<td>Zoology 100</td>
</tr>
<tr>
<td>Drawing</td>
<td>Geology 252, 253, 256</td>
</tr>
<tr>
<td>Language or</td>
<td>H. S. 102</td>
</tr>
<tr>
<td>Political Science 150 and 151</td>
<td>Physics 102, 253, 254, 255, 291</td>
</tr>
<tr>
<td></td>
<td>Language</td>
</tr>
<tr>
<td></td>
<td>Agr. 250, 251, 254, 261, 262</td>
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<tr>
<td></td>
<td>History 140</td>
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<tr>
<td></td>
<td>Geol. 255, 261</td>
</tr>
<tr>
<td></td>
<td>H. S. 200, 249, 251, 271, 350, 351</td>
</tr>
<tr>
<td></td>
<td>Econ. 150, 151</td>
</tr>
<tr>
<td></td>
<td>Physics 255, 257</td>
</tr>
</tbody>
</table>

* 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.
TEACHERS COLLEGE

The Teachers College has a very definite function: To prepare teachers for the public schools of Hawaii. This college is attempting, in every respect, to provide such education for teachers as will help the public schools to render the most practical and cultural service possible to the people of Hawaii. Its program of work is four years in length for students preparing to teach in the elementary schools and five years for those preparing for the secondary field.

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 Extension Division of the University, the Evening Session, 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 graduated may be reasonably certain of obtaining teaching positions in the schools of the Territory.

REQUIREMENTS FOR GRADUATION

Candidates are recommended for the degree of Bachelor of Education upon satisfaction of the requirements set forth on page 37* in addition to the following:

(1) A minimum of 130 semester hours of course work
(2) A minimum of 264 grade points (see page 36), and
(3) Prescribed work in various studies in elementary or in secondary education as follows:

<table>
<thead>
<tr>
<th>ELEMENTARY EDUCATION</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Participation and Practice in Teaching</td>
<td>18</td>
</tr>
<tr>
<td>Other Education Courses</td>
<td>15</td>
</tr>
<tr>
<td>English</td>
<td>14</td>
</tr>
<tr>
<td>Social Science</td>
<td>13</td>
</tr>
<tr>
<td>Natural Science</td>
<td>10</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>Practical Arts</td>
<td>4</td>
</tr>
<tr>
<td>Fine Arts and Music</td>
<td>4</td>
</tr>
</tbody>
</table>

* Exceptional cases requiring departure from the residence requirement in 1933 because of adjustments necessitated by the merging of the Normal School with the University will be handled by a committee consisting of the Dean of the Faculties, the Dean of Teachers College, and the Registrar. Such candidates should get in touch with the Dean of the College without delay.
### University of Hawaii

**SECONDARY EDUCATION**

| Participation and Practice in Teaching | 10 |
| Other Education Courses | 22 |
| English | 12 |
| Social Science | 10 |
| Natural Science | 10 |
| Health and Physical Education | 8 |
| Military Science (men) | 6 |
| Teaching Fields | 20 |
| a. | |
| b. | 20 |

### 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 the following:

#### FIRST YEAR

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 103</td>
<td>3 3</td>
</tr>
<tr>
<td>Political Science 150</td>
<td>3 3</td>
</tr>
<tr>
<td>Political Science 151</td>
<td>3 3</td>
</tr>
<tr>
<td>Survey 100 or other Science</td>
<td>3 3</td>
</tr>
<tr>
<td>Education 100</td>
<td>3 3</td>
</tr>
<tr>
<td>Physical Education 100 or 101</td>
<td>3 3</td>
</tr>
<tr>
<td>Military Science (men)</td>
<td>3 3</td>
</tr>
<tr>
<td>Electives (men, 6; women, 8)</td>
<td>3 or 4 3 or 4</td>
</tr>
</tbody>
</table>

Total 17 17

#### SECOND YEAR

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 135</td>
<td>3 3</td>
</tr>
<tr>
<td>Education 180</td>
<td>3 3</td>
</tr>
<tr>
<td>Education 181</td>
<td>3 3</td>
</tr>
<tr>
<td>Education 135</td>
<td>3 3</td>
</tr>
<tr>
<td>Social Science 135</td>
<td>2 2</td>
</tr>
<tr>
<td>Physical Education 102 or 103</td>
<td>2 2</td>
</tr>
<tr>
<td>Biology 135</td>
<td>2 2</td>
</tr>
<tr>
<td>Military Science (men)</td>
<td>2 2</td>
</tr>
<tr>
<td>Music 152</td>
<td>1 1</td>
</tr>
<tr>
<td>Electives (men, 6; women, 10)</td>
<td>2 or 4 3 or 5</td>
</tr>
</tbody>
</table>

Total 17 17

At the end of the second year, a student elects to specialize in one of the following: Kindergarten-Primary, Elementary, or Secondary Education.

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*For descriptions of all courses offered in Teachers College see pages 122-132.
Teachers College

COURSES FOR TEACHERS OF THE KINDERGARTEN-PRIMARY YEARS

THIRD YEAR* (Beginning 1933-34)

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
<th>Sem. I</th>
<th>Sem. II</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 264</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English 265</td>
<td>2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>English 270</td>
<td>1</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Education 280</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education 282</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Geography 261</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Arithmetic 250</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music 251</td>
<td>2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Art 261</td>
<td>2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Practical Arts</td>
<td>2</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Agriculture 270</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health Education</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

FOURTH YEAR** (Beginning 1934-35)

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
<th>Sem. I</th>
<th>Sem. II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 264</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Education 267</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education 285</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English 265</td>
<td>2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>8</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

COURSES FOR TEACHERS OF THE INTERMEDIATE AND UPPER YEARS IN ELEMENTARY SCHOOLS

THIRD YEAR* (Beginning 1933-34)

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
<th>Sem. I</th>
<th>Sem. II</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 264</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English 265</td>
<td>2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>English 271</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education 285</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Geography 261</td>
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FOURTH YEAR** (Beginning 1934-35)

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* One half of the group will register for courses during the second semester; the other half will do practice teaching (Education 254) during that semester.

** One half of the group will do practice teaching (Education 254) during the first semester.
### University of Hawaii

COURSES FOR TEACHERS OF SECONDARY SCHOOLS

#### THIRD YEAR

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#### FOURTH YEAR

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#### FIFTH YEAR

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In addition to completing these specific professional courses each candidate will be required to present a minimum of 20 semester hours in each of two teaching fields selected from the following: Agriculture, Art, Economics and Business, English, Home Economics, Languages, Mathematics, Physical Education, Science, and Social Science.

For the present, prospective teachers of Vocational Agriculture and Home Economics will register in the College of Applied Science, taking such professional courses in the Teachers College as are required.
GRADUATE SCHOOL OF TROPICAL AGRICULTURE

The Graduate School of Tropical Agriculture of the University of Hawaii is 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 certain 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.
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.

Courses marked by an asterisk are open to auditors (see page 35).

AGRICULTURE

100 Orientation Course

Several lectures on the agriculture of Hawaii. Designed to acquaint the student with the different fields of agriculture in the Territory with a view to enabling him to more intelligently select a major field of study at the end of the Freshman year. First semester. Required of all Freshmen in Agriculture. No credit.

151* Animal Husbandry

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 $1.00. Second semester, 3 credits.

152 Poultry Husbandry

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 $1.00. First semester, 3 credits.

250 Soils

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 $2.00. First semester, 5 credits.

251* Crops

A study of the history, botany, and culture of the leading tropical and temperate zone crops with special emphasis on the former. Required of Juniors in Agriculture and Sugar Technology, Agriculture and Chemistry
divisions. Two lectures or recitations, one laboratory period each week. Laboratory fee $2.00. Second semester, 3 credits.

252* Sugar Cane Production  H.S.P.A. Experiment Station 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 $2.00. First semester, 4 credits.

253* Dairying  Henke

A study of dairy cows, the production, handling, and marketing of milk and milk products, milk testing, and separation, etc. Two lectures or recitations, and one laboratory period a week. Laboratory fee $1.00. First semester, 3 credits. (Alternates with Agriculture 257; not offered in 1933-1934.)

254 Principles of Genetics  Wilsie

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 and Zoology 150 or their equivalent. Required of Juniors in Agriculture and Sugar Technology. First semester 3 credits.

255 Poultry Husbandry  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. Prerequisite: Agriculture 152. Two lectures, one quiz. Laboratory fee $1.00. Second semester, 3 credits.

257 Feeds and Feeding  Henke

A detailed study of the feeding of all kinds of farm and plantation animals. Lectures, problems, and recitations. First semester, 3 credits. (Alternates with Agriculture 253. Offered in 1933-1934.)

258 Pineapple Field Practice  A.H.P.C. Experiment Station Staff

Properly qualified students will be recommended for eight weeks of summer practice work as student assistants at the Experiment Station of the Hawaiian Pineapple Canners' Association at Wahiawa. The student assistants will be under the direction of the Director of the Station and will be detailed to various activities of the Station with a view to becoming acquainted with as many aspects as possible of pineapple culture. Only students who register in the course in Agriculture may use these credits towards graduation but when so used the total credits for graduation are increased as stated on page 51. Advised as prerequisite for Agriculture 260. 6 credits.

259 Poultry Husbandry  Bice

Special problems largely in the field of poultry husbandry research. Individual work; course not conducted as a class exercise. First or second semester. Credit by arrangement.
Courses of Instruction

260* Pineapple Production

A general study of pineapple production. Prerequisites: Botany 101 and 106, Zoology 150 or its equivalent, Chemistry 101 or 102, and Agriculture 250. Laboratory fee $2.00. First semester, 4 credits.

262 Advanced Genetics

A study of the organization of the germinal materials. Methods and results of modification of germinal materials. 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. Second semester, 3 credits.

263 Senior Field Practice in Pineapple Production

A.H.P.C. Experiment Station Staff

During the second semester of the Senior year, students majoring in Pineapple Production may be required to work in the capacity of student assistants at the Experiment Station of the Hawaiian Pineapple Canners’ Association, under the supervision of the Director of the Station, or be sent out as assistants to the field men in charge of experimental and other work on various plantations. A full report of the work in duplicate must be submitted at the end of the semester. 16 credits.

265 Agricultural Thesis

Henke and Agricultural Staff

Advanced individual work in field and laboratory, with accompanying library work. First and second semesters, credit by arrangement.

291 General Irrigation Practice

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 $1.00. Second semester, 4 credits.

300 Research Work

Henke and Agricultural Staff

Situated in a climate where out-of-door experimental work can be carried on the year round, Hawaii affords ideal opportunities for research in tropical agriculture. First and second semesters. Credit by arrangement.

ART

Course 150-151:

Fundamental course upon which all other courses are based. Prerequisite to all advanced work with the exception of Art 154, 155. Students who apply for advanced standing or for exemption from any art course must submit examples of previous work.

Art Appreciation

150-151 Art Structure

McPhail and Rempel

The study of the elements and principles underlying all art. First semester, exercises in line, mass, and color harmony to stimulate appreci-
ation. Second semester, advanced exercises in composing abstract and naturalistic forms. Two periods. Studio. First and second semesters, 2 credits each.

250-251 Art Appreciation and History McPhail

An appreciative study of the origin and development of art with special emphasis on the establishment of a basis of critical judgment. These are survey courses only and do not enter into any period in great detail but touch on architecture, painting, sculpture, and the minor arts of the Orient and the Occident. First semester deals principally with Europe from early cave painting through Medieval and Gothic. Second semester covers the Renaissance and the Orient, mostly painting. Lectures, lantern slides, and museum trips. First and second semesters, 2 credits each.

Note: These courses, Art 250-251, are open to all Junior students and may be taken in sequence or individually.

Crafts

175 Textile Decorations Rempel

Advanced problems in tie dye, Batik, applique, etc. Prerequisites: Art 150-151. Second semester, 2 credits.

276-277 Stage Craft and Costume * McPhail

Art structure as related to the stage. Expression of mood through form and color. Designing of sets and costumes for plays. Construction, manipulation, and lighting of miniature sets. Second semester, various problems of decoration of materials, making of masks and head-dresses, properties. Prerequisites: Art 150-151; 154-155. First and second semesters, 2 credits each.

Design

156 Beginning Lettering 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 layout, and advertisements. Pen and pencil. Prerequisites: Art 150-151. (Prerequisites will be waived for students taking Business 273.) First semester, 2 credits.

170 Imaginative Design Rempel

Originality and power in designing developed through experience with imaginative motifs and fundamental design structure. Prerequisites: Art 150-151. First semester, 2 credits.

171 Industrial Design Rempel

Designs for specific crafts and industries including pottery, leather, metal, etc. Prerequisites: Art 150-151; 154-155; 170. Second semester, 2 credits.

270 Advanced Composition McPhail

Creative conceptions of naturalistic forms. Prerequisites: Art 150-151, 154-155, 170. First semester, 2 credits. (Not offered 1933-1934.)
Courses of Instruction

Drawing and Painting

154-155 Freehand Drawing and Beginning Painting  Rempel

Principles of perspective and the development of feeling for fine quality in line and mass drawing of still life, buildings, interiors, and furniture. Second semester, representative painting and the study of the technique of water color. No prerequisites. First and second semesters, 2 credits each.

160-161 Painting  Luquiens

Study of naturalistic form and color in oils, emphasizing composition, plane structure, and character of subject presented. First semester, still life. Second semester, the living model, head, and costume. Prerequisites: Art 154-155 or special permission of instructor. Two periods. First and second semesters, 2 credits each. Second semester Studio fee, $3.00.

266-267 Etching  Luquiens

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

268 Landscape Painting  Luquiens

Basic study of naturalistic landscape in oils, emphasizing composition, color, and landscape technique. Prerequisites: Art 160-161. Two periods, out of doors and studio. First semester, 2 credits. (Not offered in 1933-1934.)

269 Life Class  Luquiens

Drawing and painting from the model, in charcoal, water-color, or oils, with a view to establishing a foundation for the imaginative use of the human figure. Prerequisites: Art 160-161. Two periods studio. Studio fee, $4.00, to cover model expense. Second semester, 2 credits. (Not offered in 1933-1934.)

Illustration and Commercial Art

272 Beginning Illustration  McPhail

Elementary problems in illustration. Prerequisites: Art 150-151, 154-155. First semester, 2 credits. (Not offered 1933-1934.)

273 Book Illustration  McPhail

Illustrations of fables, legends, and imaginative tales. Prerequisites: Art 150-151, 154-155, 272. Second semester, 2 credits. (Not offered 1933-1934.)

274 Commercial Art  Rempel

Art principles as they apply to such phases of merchandising as newspaper and magazine advertising, window and show case display, clothing, furniture and its arrangement, choice in textiles, color psychology, etc.
Designed primarily for students of economics and business. Lectures and lantern slides. Prerequisites: Junior standing or consent of instructor for students desiring credit. Second semester, 2 credits.

275 Advanced Lettering

Advanced problems in layout, including some work in poster-paint and brush lettering. Prerequisites: Art 150-151, 154-155, 156. Second semester, 2 credits.

Interior Decoration

172 Interior Decoration

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. First semester, 2 credits.

173 Advanced Interior Decoration

Original designs for complete rooms, elevations, and perspectives in color. Original designs for furniture. The study of period, peasant, Oriental, and modern furniture; its use in the average home. Prerequisites: Art 150-151, 154-155, 172. Second semester, 2 credits.

252G Art Education

A course in the organization and administration of Art Education. Class discussions of various theories, methods, and systems of teaching art. The development of a constructive program of art education, with practical application to the work in the Junior High School. Second semester, 2 credits. (Not offered 1933-1934.)

BOTANY

101 General Botany

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 vegetative and reproductive organs of the plant as related to the habitat. One hour lecture or recitation and two periods laboratory a week. Laboratory fee $4.00 per semester. First and second semesters, 3 credits each.

102* Systematic Botany of the Flowering Plants

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 field 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 per semester. First and second semesters, 3 credits each.
Courses of Instruction  

106* Plant Physiology  
Hartt  
A study of the principal functions of plants, such as absorption, translocation, photosynthesis, nitrogen assimilation, and respiration, which are concerned with normal nutrition and growth. Prerequisites: Botany 101 and Chemistry 101. One lecture or discussion hour and two laboratory periods a week. Laboratory fee $5.00 each semester. First and second semesters, 3 credits each.  

107 Histological Technique  
Allen  
A course in the preparation of permanent microscopic mounts of plant tissues. Includes methods of killing, fixing, embedding, sectioning, staining, and mounting of tissues of various kinds. Supplements Courses 153 and 209. Valuable to students in plant breeding who are interested in the study of physical basis of heredity. Prerequisite: Botany 101, Chemistry 101. Six to twelve hours laboratory each week. Laboratory fee $2.00 per credit hour. First semester, 2 to 4 hours credit.  

151 General Bacteriology  
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 $5.00. Second semester, 4 credits.  

155* Nutrition of Plants  
Hartt  
A course dealing with viability of the seed; 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. Not open for credit to students who have taken Botany 106. Two hours of lecture with demonstrations. Second semester, 2 credits.  

156-157 Bacteria in Relation to the Individual and the Public  
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. Each semester, 2 credits.  

158 Mycology  
Allen  
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 $3.00. First semester, 3 credits. (Not offered in 1933-1934.)
200 Botanical Problems  St. John, Allen, or Hartt

The pursuit of any advanced botanical problem. Open to undergraduates. Can be taken repeatedly. Laboratory fee $1.00 per credit hour. Credit hours to be arranged.

209 Plant Anatomy

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 107 desirable but not required. One hour recitation, two laboratory periods a week. Laboratory fee $6.00, breakage deposit $3.50. First and second semesters, 3 credits each.

210 Botanical Seminar  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. First and second semesters, 1 credit each.

253 Plant Ecology  St. John

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 $3.00. Two lecture hours and two laboratory periods a week. Second semester, 4 credits. (Offered in 1933-1934.)

254 Advanced Taxonomy  St. John

A synoptical treatment of the lower Dicotyledons, with laboratory study of the important families, of 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 $1.00 per credit hour. One lecture hour and one or more laboratory periods each week. First semester, 2 or more credits.

256 Advanced Plant Physiology  Hartt

A study of the processes of nutrition and growth of plants based on modern interpretations of such subjects as permeability, ascent of sap, photosynthesis, respiration, enzyme action, the role of inorganic elements, nitrogen assimilation, and plant buffer systems. Discussions of the pro-seminar type devoted to recent literature of the subject and selected laboratory experiments. Prerequisites: Botany 106 and Chemistry 260. One lecture, one pro-seminar discussion, and two laboratory periods each week. Laboratory fee $2.50 per credit hour. First semester, 4 credits.

258 Agricultural Bacteriology  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 cellulose 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. First semester, 4 credits. (Offered in alternate years; not given in 1933-1934.)
260 Medical Bacteriology  
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 $5.00. First semester, 4 credits. (Offered in alternate years; given in 1933-1934.)

263 Plant Pathology  
Allen

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. Second semester, 3 credits. (Offered in alternate years; given in 1933-1934.)

265 Taxonomy of the Dicotyledons  
St. John

A synoptical treatment of the higher Dicotyledons, with reference to their gross morphology, economic value, and dispersal. Prerequisite: Botany 102. One lecture hour a week. Second semester, 1 credit. (Offered in alternate years; not offered in 1933-1934.)

300 Botanical Research  
St. John, Allen, or Hartt

Open to Graduate students who show sufficient preparation and ability to carry on studies of an investigational nature. Laboratory fee $1.00 per credit hour. Hours and credits to be arranged.

301 Physiological Seminar  
Sideris

A thorough discussion of the latest advances in general and in plant physiology. The topics will include: physiochemical properties of protoplasm, water relations of plants, mineral nutrition, metabolism and photosynthesis. Prerequisites: Botany 256 and Chemistry 211. One and one-half hour discussion a week. First and second semesters, 1 credit each.

302 Research in the Botanical Phases of Tropical Agriculture

Open to students in the Graduate School of Tropical Agriculture. Planned for original investigations in tropical botany. Hours and credits to be arranged.

CHEMISTRY

Undergraduate students majoring in chemistry are required to take the following courses: 101 or 102, 150, 152, 153, 161, 211, 212, 230; and
may elect any other chemistry courses. At least one year of college physics and mathematics is strongly advised.

101 General Chemistry

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, one hour quiz section, and one period laboratory each week. Laboratory fee $7.00 per semester. First and second semesters 4 credits each.

102 Advanced Inorganic Chemistry

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 $7.00 per semester. First and second semesters, 4 credits each.

150 Qualitative Analysis

A course in systematic qualitative analysis covering characteristic reactions, detection, 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 $8.00. First semester, 4 credits.

151 Quantitative Analysis

An abridged course of quantitative analysis for Agricultural and Household Science students. Prerequisite: Chemistry 101 or 102. One hour classroom and two laboratory periods a week. Laboratory fee, $8.00. Second semester, 3 credits.

152 Elementary Organic Chemistry

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 aromatic compounds. 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 $9.00. First semester, 4 credits.

153 Intermediate Organic Chemistry

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 $9.00. Second semester, 4 credits.

161* Colloidal Chemistry

An introduction to the chemistry of colloids. Assigned readings and written reports are required. Open to students who have completed
Courses of Instruction

Chemistry 150. One class period and one laboratory period a week. Laboratory fee $5.00. Second semester, 2 credits.

211 Physical Chemistry

An introductory course in theoretical chemistry, including the study of pressure-volume relations of gases, theories of solution, homogeneous chemical equilibrium, phase rule, colloids, thermochemistry, electrochemistry, and the modern theories of the constitution of matter. It is required that this course be taken concurrently with Chemistry 212 and 214. Prerequisites: Chemistry 150 and 230. Two hours classroom a week. First and second semesters, 2 credits each.

212 Physical Chemistry Laboratory

A series of laboratory exercises in the practice of physical chemical methods. Open to students who have completed or are taking Chemistry 211. Prerequisites: Chemistry 150 and 230. This course must accompany Chemistry 211 and 214. One laboratory period a week. Laboratory fee $6.00 per semester. First and second semesters, 1 credit each.

213 Advanced Physical Chemistry Laboratory

A continuation of Chemistry 212. Open only to students who have completed Chemistry 212. Permission to take Chemistry 213 must be obtained from the instructor before registration. Laboratory fee $6.00 per semester. First and second semesters, 1 credit each.

214 Problems in Physical Chemistry

A course dealing with the solution of physico-chemical problems. It is required that this course be taken concurrently with Chemistry 211. One hour classroom a week. First and second semesters, 1 credit each.

215 Chemical Literature

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, 216, and 217. One hour classroom a week. First and second semesters, 1 credit each.

216 Advanced Quantitative Analysis

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 per week, but hours and credits may be arranged. Laboratory fee $6.00 per semester.

217 Advanced Organic Chemistry

A course designed to develop maturity in the literature of the carbon compounds, and manipulative technique in the laboratory. The work is chiefly laboratory with considerable emphasis on original literature surveys in connection with the assigned problems. Conferences and discussions replace formal lectures and quizzes. Prerequisites: Chemistry 153 and 230. Laboratory fee $2.00 per credit hour plus $3.00. First and second semesters, hours to be arranged, with a minimum of two credits per semester.
230 Quantitative Analysis  
Fujimoto

The principles of gravimetric and volumetric analysis, calibration of volumetric apparatus, analysis of pure substances, and commercial products, determination of pH of buffer solutions by colorimetric and electrometric methods. Prerequisites: Chemistry 101 and 150 or 102 and 150. Laboratory fee, $8.00 per semester. First and second semesters, 3 credits each.

240 Honors Course in Chemistry  
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. 3 credits per semester. Prerequisites: Chemistry 101 or 102, 150, 152, 153, 230, 260. Mathematics 152, 153. Physics 102. Parallel courses: Chemistry 211, 212, 214. (Chemistry 260 and 261 may be included.) Laboratory fee $6.00. Hours to be arranged.

260* Biological Chemistry  
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. First semester, 3 credits.

262 Biological Chemistry Laboratory  
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 $5.00. First semester, 1 credit. Prerequisites: Chemistry 101 or 102, 151, 152.

261* Agricultural Chemistry  
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 $6.00. Second semester, 4 credits.

263 Food Analysis  
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 $6.00. Second semester, 3 credits.

318 Chemistry Research  
Dillingham, E. M. and L. N. Bilger, Payne

The conducting of a research problem and preparation of a related thesis in pure or applied chemistry. Elective course restricted to Senior and Graduate students. Hours, credits, and fees to be arranged. Laboratory fees and breakage deposits not less than $3.00 each credit per semester. Prerequisites: Chemistry 101 or 102, 150, 152, 153, 161, 230, or their equivalents. Prerequisite or parallel: Chemistry 211, 212, 216, or 217.
Courses of Instruction

CIVIL ENGINEERING
(See Engineering)

ECONOMICS AND BUSINESS

Economics

123 History of Economic Institutions

An historical survey of economic institutions from primitive times until the present. Population trends, agricultural changes, labor and manufacturing systems, evolution of capital and business organization, origin and growth of transportation facilities, development of money and banking are some of the topics discussed. Causes and effects of institutional changes and their relation to human welfare are stressed. Library fee, $1.50. First and second semesters, 3 credits each.

150-151 The Principles of Economics

The principles that underlie consumption, production, exchange, and distribution. A brief analysis of some recent economic problems such as the control of trusts, the regulation of railways and public utilities, monetary and banking reform, etc. Prerequisite: Sophomore standing. First and second semesters, 3 credits each.

152 Introduction to Economics

A brief survey of economic principles and problems of special interest to students in Agriculture, Civil Engineering, and Sugar Technology. Not open to majors in other departments except by consent of the instructor. Credit cannot be received for both this course and course 150-151. Second semester, 3 credits. (Not offered 1933-1934.)

250 Economic Problems of the Orient

An analysis and evaluation of some of the more important economic problems of the major oriental countries, with special emphasis on Japan and China. Particular attention will be given to economic resources, population pressure, industrialization and trade, transportation and financial problems. Prerequisite: Economics 150-151 or 152. First semester, 3 credits. (Not offered 1933-1934.)

260 Money and Banking

Principles governing the functioning of money, laws controlling its value, monetary history, and present monetary system of the United States, followed by an analysis of the principles underlying sound banking and a detailed study of the banking system of the United States. Prerequisite: Economics 150-151 or Economics 152. First semester, 3 credits.

261 Public Finance

Principles of taxation and public expenditures. National, state and local taxes. Public debts. Prerequisites: Economics 150-151 or Economics 152. Second semester, 3 credits. (Not offered 1933-1934.)

262-263 Practice Banking

Actual work in the Bank of Hawaii and Bishop First National Bank two afternoons each week from one o'clock until the books are bal-
anced, accompanied by supplementary readings in bank organization and management. Open only to students who have credits in or are registered in Economics 260 and are recommended by the Group Advisor and accepted by the bank interested. First and second semesters, 2 credits each.

265 International Finance Taylor

International financial problems and policies. Financing foreign trade, principles of foreign exchange, exchange problems arising from varying monetary standards, international loans, and reparations are some of the more important topics discussed. Prerequisites: Economics 150-151 or 152 and 260 or consent of the instructor. Second semester 3 credits. (Not offered 1933-1934.)

270 Public Utilities Cameron

The economic nature and history of public utilities, including railroads, followed by a critical study of some of the more important problems involved in their control by the state. Prerequisite: Economics 150-151 or Economics 152. Library fee $1.50. Second semester, 3 credits.

273 Water Transportation Cameron

A study of transportation agencies by water in both domestic and foreign trade. The evolution, services, and organization of these carriers, their relation to other types of carriers, problems of competition and monopoly, the history and effects of subsidies and indirect forms of government aid are some of the more important topics discussed. Special attention is given to Pacific basin carriers. Prerequisite: Economics 150-151 or Economics 152. Second semester, 3 credits.

276 Trusts and Industrial Combinations Cameron

The history of industrial combinations, the economics of concentration and the evils of combination from the standpoint of both investor and public. Attempts at regulation by state and federal authority and plans for safeguarding the public interest. Prerequisite: Economics 150-151 or Economics 152. First semester, 3 credits. (Not offered 1933-1934.)

281 Labor Problems Taylor

An analysis of the labor problem from the standpoints of capital, labor, and public. Phases of the subject emphasized are origin and sources of wage-earners, unemployment, wages, unionism, collective bargaining, strikes and boycotts, cooperation, socialism, and labor legislation. Prerequisite: Economics 150-151 or Economics 152. First semester, 3 credits.

285 Theory and Control of Foreign Trade 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. Prerequisites: Economics 150-151 or Economics 152. First semester, 3 credits.

300 Seminar in Economics Cameron and Taylor

Directed reading or research in selected fields. A thesis is required. Open only to Graduates and Seniors who have displayed the ability to carry on independent work. First and second semesters. Credits given depend on the work done but in no case can a student receive more than 3 credits a semester.
Courses of Instruction

Business

149 Introduction to Accounting  
Graham

A brief survey of accounting principles and practices of special interest to students in Engineering and Sugar Technology. Not open to majors in other departments except by consent of the instructor. First semester, 3 credits. (Not offered, 1933-1934.)

150-151 Elementary Accounting  
Graham

A study of the fundamental principles of accounting supplemented by practice in the solution of problems. Special attention is given to the accounting problems of single proprietorship, partnerships, and corporations. Prerequisite: Sophomore standing in the department of Economics and Business or permission of the instructor. First and second semesters, 3 credits each.

152-153 Elementary Accounting  
Graham

A rapid survey of the same subject matter covered in Business 150-151. Organized primarily for unclassified evening 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. First and second semesters, 3 credits each.

250-251 Intermediate Accounting  
Graham

This course is concerned primarily with the balance sheet, its form, content, and related accounting problems such as valuation and depreciation. Attention is also given to mergers and the construction of consolidated statements. Prerequisite: A grade of at least "C" in Business 151 or 153 and Economics 150-151 or 152. First and second semesters, 3 credits each.

252-253 Intermediate Accounting  
Graham

A rapid survey of the same subject matter covered in Business 250-251. Organized primarily for unclassified evening students. Offered only in the evening. Credit will not be allowed in both this course and Business 250-251. Prerequisites: Unclassified student status, a grade of at least "C" in Business 151 or 153 and Economics 150-151 or 152 or consent of the instructor. First and second semesters, 2 credits each. (Not offered 1933-1934.)

254 Cost Accounting  
Graham

An elementary study of cost accounting. Sources of costs, cost units, cost gathering, and the use of cost data are some of the more important topics discussed. Scheduled only in the evening. Prerequisites: Business 251 or 253 and Economics 150-151 or 152 or consent of the instructor. First semester, 2 credits.

255 Analysis of Financial Statements  
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 upon the financial standing of business units as investment and credit possibilities. Scheduled in the evening only. Prerequisites: Economics 150-151 or 152 and Business 150-151 or consent of the instructor. Second semester, 2 credits.
256 Income Tax Procedure

Federal and Territorial Income Tax laws and related accounting problems. Problems will be solved and tax returns prepared. Scheduled only in the evening. Prerequisites: Business 251 or 253 and Economics 150-151 or 152 or permission of the instructor. First semester, 3 credits. (Not offered 1933-1934.)

259 Office Management Taylor

Office organization and management. Particular attention is given to layout, equipment, record keeping, qualifications of manager and personnel, and efficient operation. Prerequisite: Business 151. Second semester, 2 credits. (Not offered 1933-1934.)

260-261 Business Law Steadman

This course deals in a general way with the following subjects: Nature and sources of law; judicial procedure; contracts; agency and sales; partnerships and corporations; negotiable instruments; personal and real property; suretyship and guaranty; bankruptcy; insurance. Scheduled in the evening in alternate years. Prerequisite: Junior standing or permission of the instructor. First and second semesters, 2 credits each.

264 Business Organization and Management Cameron

General principles underlying the organization and management of business. Some of the topics discussed are selection of goods, location and size, problems of expansion, legal forms of organization, customer and public relations, capital and labor policies. Prerequisite: Economics 150-151 or 152. Second semester, 3 credits. (Offered in the evening 1933-1934.)

265 Corporation Finance Taylor

Problems involved in the financial administration of corporations, such as determination of capital requirements, sources of and devices used to secure capital, marketing of securities, control of capital disbursements, credit, and income. Prerequisites: Economics 150-151 or 152 and Business 150-151. Second semester, 3 credits.

266 Investments and Investment Banking Taylor

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 or 152 and Business 150-151 or consent of the instructor. First semester, 3 credits. (Not offered 1933-1934.)

267 Business Cycles and Business Forecasting Taylor

An analysis of the business cycle; proposed remedies; assumptions and method involved and statistical data used in forecasting the course of the business cycle; forecasting services; applicability of forecasts to specific businesses and localities. Scheduled in the evening only. Prerequisites: Economics 150-151 or 152 or consent of the instructor. First semester, 2 credits.
Courses of Instruction

268 Current Economic Problems

Taylor

An attempt to isolate and evaluate the forces bearing upon the economic depression of 1929 and subsequent years and a critical survey of the panaceas for alleviation of the depression. Scheduled in the evening. Prerequisites: Economics 150-151 or 152 and Business 267 or consent of the instructor. Second semester, 2 credits.

270-271 Marketing

Taylor

A survey of the marketing structure of modern industrial society. Fundamental functions performed in the marketing process and the channels through which these functions are executed: Problems of the manufacture, wholesaler, and retailer; market analysis and research; marketing policies. Prerequisites: Economics 150-151 or 152 and Business 150-151. First and second semesters, 3 credits each.

273 Economics of Advertising

Taylor

Economic aspects of advertising. Particular attention will be given to the history and present importance of advertising, methods and media used, agencies and campaigns, costs and their measurement, social and economic effects. Prerequisites: Economics 150-151 or 152 and Business 270-271 or consent of the instructor. Second semester, 3 credits.

275 Technique of Foreign Trade

Taylor

A study of the goods entering into foreign trade, accompanied by an analysis of the more important foreign markets, channels of distribution in foreign countries, export organizations, and export selling methods and policies. Pacific basin trade emphasized. Prerequisites: Economics 150-151 or 152 and Business 270-271. Second semester, 3 credits: (Not offered, 1933-1934.)

276 Economics of Retail Merchandising

Taylor

Retail merchandising from the economic point of view. Topics stressed: origin of retailing, social function of the retail merchant, development and evaluation of the various retail channels, organization and management of retail business units, retail sales promotion. Prerequisites: Economics 150-151 or 152 and Business 270-271 or consent of the instructor. First semester, 3 credits.

280 Personal Salesmanship

Taylor

A study of sales tactics and methods. Buying motives, prospecting, equipment, sales canvass, securing the interview, approach, demonstration, objections, closing, and types of customers are some of the subjects emphasized. Consideration is also given to the more important problems of particular kinds of personal selling as insurance, real estate, etc. Prerequisite: Economics 150-151 or Economics 152 and Business 270-271. First semester, 2 credits. (Not offered 1933-1934.)

282-283 Practice Salesmanship

Taylor

Actual selling covering the fields of house-to-house, commodity, and specialty selling. This course offers students an opportunity to apply under supervision the principles presented in Business 280. Open only to students who have taken or are taking Business 280. First and second semesters, 1 credit each. (Not offered 1933-1934.)
291 Statistics  
Taylor  
Statistical indices of business conditions, average and means of their determination, graphic presentation, elimination of seasonal variation and secular trend, moving averages, dispersion, skewness, correlation, etc. Prerequisite: Junior standing and permission of the instructor. Second semester, 3 credits.

300 Seminar in Business  
Cameron, Graham, and Taylor  
Directed reading or research work in selected fields. Open only to Graduates and Seniors who have displayed the ability to carry on independent work. First and second semesters. Credits given depend on the work done but in no case can a student receive more than 3 credits a semester.

ENGINEERING  
Civil Engineering

C. E. 101 Surveying  
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. Prerequisites: M. D. 101, Mathematics 104 or 150 and 151. Required of Freshmen in Civil Engineering and Sugar Technology, Sugar-house Engineering division; Sophomores in Sugar Technology, Agricultural division. Elective for Sophomores in Agriculture, General Science and Sugar Technology, Chemistry division. Laboratory fee $2.00 per semester. Two field or drafting periods and one recitation. First and second semesters, 3 credits each.

C. E. 125 Roads and Pavements  
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 $2.00 per semester. First and second semesters, 2 credits each.

C. E. 151 Graphical Statics  
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 discussed 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 and Sugar Technology, Sugar-house Engineering division. Second semester, 2 credits.

C. E. 201 Surveying and Drawing  
C. Andrews  
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.
Courses of Instruction

Illustrating the methods of base line measurement, triangulation, and precise leveling. Prerequisites: Mathematics 106 and C. E. 101. Juniors in Civil Engineering. Laboratory fee, $2.00 per semester. First and second semesters, 3 credits. (Alternates with C. E. 227. Offered 1933-1934.)

C. E. 227 Surveying C. Andrews

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. Juniors in Civil Engineering. Laboratory fee, $2.00 per semester. First and second semesters, 3 credits each. (Alternates with C. E. 201. Not offered 1933-1934.)

C. E. 229* Municipal Engineering 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 method 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 commission. Seniors in Civil Engineering. First and second semesters, 3 credits each.

C. E. 231* Soil Mechanics 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 earthwork operations and foundation work. Open to Seniors in Engineering and to qualified practicing engineers. First and second semesters, 2 credits each.

C. E. 252* Analytical and Applied Mechanics 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 Civil Engineering and Sugar Technology, Sugar-house Engineering division. First semester, 4 credits.

C. E. 253* Structural Mechanics 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 and Sugar Technology, Sugar-house Engineering division. Second semester, 4 credits.

C. E. 255 Hydraulics Keller

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 and Sugar Technology, Sugar-house Engineering division. Second semester, 3 credits.

C. E. 256-257 Stresses in Simple Structures Keller

The subject is treated by means of lectures and recitations which cover the principles underlying the analysis of stresses in simple structures, including a review of the laws of statics and the application of these laws to the essential fundamentals of the theory of simple structures. Open to students who have at least junior standing in engineering. Offered in the evening primarily for engineers and practitioners in service. First or second semesters, 2 credits.

C. E. 276 Structural Design Young

Lectures and drafting exercises, in which the student computes the stresses and resigns of 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. First semester, 3 credits.

C. E. 277 Bridge Design 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. Second semester, 3 credits.

C. E. 279 Concrete and Masonry Structures 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. Prerequisites: C. E. 252 and 253. Seniors in Civil Engineering. Second semester, 3 credits.

C. E. 280 or 281 Water Analysis (may be taken either semester) 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. Either semester, credits to be arranged.
C. E. 284-285  Hydraulic Laboratory  Keller

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. Either semester, credits to be arranged.

C. E. 286  Building Construction  Keller

A lecture and discussion course which covers the details of general building construction, including dwellings, factories, and power plants. Part of the course is devoted to a study of the various types of dams and reservoir walls and the typical methods used in constructing them. Included in the work of the course is a series of sheets prepared by the students covering typical details for various types of building construction. Seniors in Engineering. First semester, 3 credits.

C. E. 287*  Arches  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. Second semester, 2 credits.

Mechanical Drawing (M. D.)

M. D. 101  Mechanical and Freehand Drawing  Webster and Hoy

Elementary drafting, which includes freehand sketching, freehand lettering, use of instruments, conventional sections, isometric, oblique, and cabinet drawing, development of surfaces, drawing from models (using parts of machines from the mechanical laboratory as models), 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 $30.00. First and second semesters, 2 credits each.

M. D. 133  Descriptive Geometry  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 Engineering and Sugar Technology, Sugar-house Engineering division. First and second semesters, 2 credits each.

Mechanical Engineering (M. E.)

M. E. 150  Office and Shop Methods  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 and Sugar Technology, Sugar-house Engineering division. First semester, 2 credits.

M. E. 252  Materials of Engineering  Keller

The course is divided between lectures and recitations and covers the properties and requirements for materials used in engineering construc-
tion, including wood, iron, steel, and concrete. Methods of manufacture affecting quality of material, standard tests employed to secure the proper grade of material, and standard specifications, are included in this course. Prerequisites: Mathematics 106, M. D. 133. Juniors in Civil Engineering. First semester, 3 credits.

M. E. 282 Steam Machinery 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. Senior Civil Engineers and Juniors in Sugar Technology, Sugar-house Engineering division. First semester, 3 credits. (Not offered 1933-1934.)

M. E. 283 Contracts and Specifications 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 C. E. 229. Seniors in Civil Engineering. Second semester, 2 credits.

M. E. 284 Engineering of Sugar Plants G. H. W. Barnhart

The course is divided between lectures and drafting-room exercises and includes the application of the fundamental principles of engineering practice to modern sugar works, including grinding and evaporating machinery, boiler and engine plant, conveying machinery, industrial railways, arrangement of buildings, layout of plant, and other general and special engineering considerations affecting the making and refining of sugar. Prerequisite: M. E. 282. Seniors in Sugar Technology, Sugar-house Engineering division. First semester, 4 credits. (Not offered in 1933-1934.)

Engineering Laboratory (X. E.) Keller

X. E. 253 Materials Laboratory

A laboratory course which gives practice in testing the materials of construction, involving complete tests of specimens of wood, iron, steel, and concrete. Special attention is given to the preparation and testing of specimens of concrete, both plain and reinforced. The facilities available for such work are ample and the instruction given covers a large number of practical tests, thus affording the student valuable means of familiarizing himself with the behavior of such materials under stress. Prerequisite: C. E. 252. Juniors in Civil Engineering and Sugar Technology, Sugar-house Engineering division. Laboratory fee $5.00. Second semester, 3 credits for students in Civil Engineering and 2 credits for students in Sugar-house Engineering division of Sugar Technology.

ENGLISH

All regular students and all special students desiring to elect English 100 or 102 are given a placement test in English. All registered in the Colleges of Applied Science and Arts and Sciences who fail to make a
satisfactory grade must register in English 50. Courses in English given in Teachers College are professional courses and are open only to students in that college.

50 Elementary Composition

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. At the beginning of the second semester those who are deemed qualified may register for English 100B; for others the course will continue throughout the year. Three class meetings a week; 1 credit.

51 Elementary Oral English

An elementary non-credit course in reading and speaking designed for students whose spoken English is found to be unsatisfactory. Required of students conditioned in Oral English in either English 50, 100, 102, or 103. Two class meetings a week. Second semester.

100 Composition

The principles of exposition, description, and narration; analysis of illustrative specimens; frequent written exercises, and individual conferences with instructor; occasional exercises in oral composition; 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 Colleges of Applied Science and Arts and Sciences. Collateral reading fee, $1.00, first semester. First and second semesters, 3 credits each.

100B Composition

This course is essentially a repetition of the first semester of English 100, and is given for the convenience of those who complete English 50 in one semester. Students satisfactorily completing English 100B will qualify for admission to English 120 and 130; but they will be expected to complete course 100 during the second semester of their Sophomore year. Collateral Reading fee, $1.00. Second semester, 3 credits.

102 Composition

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 the 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. Membership in the second semester will be determined by the grade of work done in the first semester in either this course or in English 100. Collateral reading fee, $1.00, first semester. First and second semesters, 3 credits each.

103 General English

(Description listed with Teachers College courses.)

120 Technical and Business English

The principles of technical exposition. Composition and analysis of technical reports, scientific papers, and professional letters. Weekly written exercises, and a long paper each semester. Frequent individual
conferences with the instructor. May be taken in place of English 130 by Sophomores in the College of Applied Science. First and second semesters, 2 credits each.

130 English Literature

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 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 120. First and second semesters, 3 credits each.

135 General English

(Description listed with Teachers College courses.)

140 Journalism

A study of practical journalism, with the first semester devoted to the writing of news stories, feature stories, and editorials, and the second semester to copyreading, proofreading, and headline writing. Laboratory work on Ka Leo. First and second semesters, 2 credits each.

150-151 Oral Reading

Reading aloud in class of modern poetic and dramatic selections, with special attention to correctness of speech and interpretation of meaning. First and second semesters, 2 credits each.

160-161 Play Production

A practical course dealing with interpretation (including body control and diction), directing, make-up, scenery, costume design, lighting, properties, stage management, and business management. Designed to prepare for the production of school, club, or community plays in all their phases. First and second semesters, 3 credits each.

162-163 Modern Drama

A critical reading of selected modern plays with special emphasis upon dramatic values. First and second semesters, 3 credits each. (Not offered in 1933-1934.)

164-165 Dramatic Interpretation

A laboratory course in the interpretation of the drama, supplementing the courses in Play Production and Play Writing. Practice in oral expression and stage technique, followed by public presentations. The plays will be staged and produced by the class in Play Production, English 160-161, under the direction of the instructor. Special attention will be paid to plays written by the class in Play Writing (English 250). Open to all students that have had stage experience or show promise of development. Credits will depend on the amount of time given to the course; in general 54 hours of practice work will be given one credit hour. First and second semesters, ½ to 2 credits each.

176 Child Life in Literature

(Description listed with Teachers College courses.)
Courses of Instruction

201 Business Correspondence and Commercial Journalism Peavey

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. First and second semesters, 2 credits each.

205 Public Speaking Peavey

Practice in the preparation and delivery of public speeches. In the second semester, class sessions are conducted according to parliamentary law, and extemporaneous speaking is stressed. Prerequisite: English 100. First and second semesters, 3 credits each.

206 Persuasion, Argumentation, and Debate Beck

Influencing the opinions and actions of others by logical thinking and persuasive argument. First semester, a study of the logical basis of argument and brief drawing. Second semester, persuasive elements in debate and in editorial writing. Class discussions and debates. Open to Juniors and Seniors. First and second semesters, 2 credits each.

207 The Novel Neil

The novel in England from Defoe to Hardy. Prerequisite: English 130 or equivalent. First and second semesters, 3 credits each.

208 English Prose and Poetry, 1830-1890 Neil

The first semester will deal with certain representative prose writers with special emphasis upon Carlyle, Arnold, Ruskin, and Newman. During the second semester a study will be made of the more considerable poets of the period with special emphasis upon Tennyson and Browning. Prerequisite: English 130 or equivalent. First and second semesters, 3 credits each. (Not offered in 1933-1934.)

210 Directed Reading Schwartz

Weekly reading, with informal class reports and discussions, of some important books which are not read in connection with other courses. The grade in the course will be determined by the amount and nature of the reading, and the quality of the reports. Open only to a limited number having the consent of the instructor. Second semester, 2 credits.

213 The Bible as Literature Andrews

A study of the types of literature represented in the Bible, their development, and their content as influenced by historical and social conditions. Prerequisite: English 130 or equivalent. First and second semesters, 3 credits each. No credit for students receiving credit for Religion 254.

214 World Literature Sinclair

An outline course in world masterpieces in English translation. First semester: the major writings of Japan, China, India; second semester: the classics of Persia, Arabia, Greece, and Italy. Special attention to na-
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tional psychology as revealed in national literature. Prerequisite: English 130 or equivalent. Library fee, $1.00 per semester. First and second semesters, 3 credits each.

215 Studies in English Biographical Literature Neil

A survey in introductory lectures, of the origin and development of the form, with detailed study of selected biographical writings, memoirs, letters, and journals. Prerequisite: English 130 or equivalent. First and second semesters, 3 credits each.

216 European Masters Sinclair

A study of the writings in translation of sixteen European masters from Dante to Ibsen, including Cervantes, Goethe, Voltaire, Rousseau, Montaigne, Moliere, Hugo, Flaubert, Anatole France, Tolstoi, Dostoevsky, Turgenev, Bjornson, Strindberg. Lectures; reports. Library fee, $1.00. Prerequisite: English 130 or equivalent. First and second semesters, 3 credits each.

237 The Teaching of English in Secondary Schools Coale

(Description listed with Teachers College courses.)

240 American Literature Andrews

The critical reading of representative poems, essays, and fiction in an endeavor to discover and appreciate the larger movements that have entered into American civilization. Prerequisite: English 130 or equivalent. First and second semesters, 3 credits each.

250 The One-Act Play Andrews

A course in creative writing. The technique of the one-act play, analysis of selected plays, and the writing of original plays. It is planned that productions deemed worthy be presented by college players. Prerequisite: English 130 or equivalent. English 240 is recommended as a preparatory or parallel course. First semester, 3 credits. (Not offered in 1933-1934.)

251 The Short Story Andrews

A course in creative writing, following English 250. The technique of the short story, analysis of selected stories, and the writing of short stories. Prerequisite: English 130 or equivalent. English 240 is recommended as a preparatory or parallel course. Second semester, 3 credits. (Not offered in 1933-1934.)

252-253 Shakespeare Schwartz

Rapid reading of the principal plays in chronological sequence. Lectures on the social and theatrical background of the period to aid the student in an intelligent appreciation of the plays. Prerequisite: English 130 or equivalent. First and second semesters, 3 credits each.

254 Modern Poetry Schwartz

A consideration of the most significant contemporary British writers of verse with special reference to recent trends of thought and belief. Prerequisite: English 130 or equivalent. Second semester, 3 credits. (Not offered in 1933-1934.)
Courses of Instruction

255 The Modern Novel

The novel in England since Hardy. Prerequisite: English 130 or equivalent. Second semester, 3 credits. (Not offered in 1933-1934.)

Schwartz

256 Essay Writing

Creative writing in the essay form, with collateral reading of representative modern essayists. Prerequisite: English 102 and 130, or equivalents. Second semester, 3 credits. (Not offered in 1933-1934.)

Schwartz

262 Eighteenth Century

A survey of the principal English writings of the Eighteenth Century (excluding the novels, but including biography, memoirs, and letters) with emphasis upon the literary, social, and political theories of the times and their influence upon modern life. Prerequisite: English 130 or equivalent. First semester, 3 credits.

Schwartz

263 English Poets of the Age of Romanticism

A study of the representative work of Wordsworth, Coleridge, Byron, Keats, and Shelley as typical of the romantic thought and social ideals of the early 19th century. Prerequisite: English 130 or equivalent. Second semester, 3 credits.

Schwartz

264 Creative English in the Elementary School

(Description listed with Teachers College courses.)

Coale

265 Treatments of Defects in English Usage

(Description listed with Teachers College courses.)

Coale

266 Milton

The prose and poetic writings of John Milton; the times in which he lived; his philosophy; his contributions to literature and to thought. Prerequisite: English 130 or equivalent. First semester, 3 credits. (Not offered in 1933-1934.)

Sinclair

267 Seventeenth Century Prose

The profound changes in political, social, literary, and religious thought as expressed in the prose writings of the time, other than those of Milton. Prerequisite: English 130 or equivalent. Second semester, 3 credits. (Not offered in 1933-1934.)

Sinclair

270 Literature for the Kindergarten-Primary Years

(Description listed with Teachers College courses.)

Kluegel

271 Literature for the Intermediate and Upper Elementary Years

(Description listed with Teachers College courses.)

Kluegel

300 English Seminar

Designed primarily for Graduates, though properly qualified Seniors may be admitted. The intensive study of movements, periods or authors, either British or American. Weekly meetings for reports and discussions. First and second semesters, 2 credits each.

Andrews
FRENCH

100* Elementary Course Carr
Phonetics, dictation, conversation, reading of easy prose and poetry. First and second semesters, 3 credits each.

101* Nineteenth Century French Novel Carr
Reading of selected masterpieces of Hugo, Daudet, Balzac, Sand, and others. Conversation, lectures, and essays. Prerequisite: one year of French in college or two years in preparatory school. First and second semesters, 3 credits each.

200* Contemporary French Literature Pecker
Critical study of the most modern movement in French prose, with special attention to post-war literature. 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. First and second semesters, 3 credits each.

201* Phonetics Pecker
A study of French sounds. Required of those majoring in Romance Languages. Conversation and diction. First and second semesters, 1 credit each.

202* Advanced Conversation and Composition Pecker
A practical course in every day current French. Reading of French newspapers and magazines with discussion 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. First and second semesters, 2 credits each.

250* Classic Drama 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. First semester, 2 credits.

251* Romantic School 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. Second semester, 2 credits.

252* Modern French Drama Pecker
Selected plays of Brieux, Hervieu, Rostand, Maeterlinck, Becque, Bernstein, etc. Rapid reading with essays, lectures, and discussions. Individual research and reports. First semester, 2 credits. (Not offered 1933-1934.)

253* Advanced French Seminar Pecker
Continuation of study as outlined for French 252, or similar work on any phase or period of French literature in which students may be inter-
Courses of Instruction

ested. Individual research and reports. Prerequisite: three years of college French or equivalent. (Not offered 1933-1934.)

260-261* Modern French Literature Pecker

Individual research in modern French literature. To be taken only with consent of instructor. Hours and credits to be arranged.

GEOGRAPHY

150 Elements of Geography Coulter, Jarrett

An introductory course in geography; survey of the relationship between the economic activities of man and the elements of the natural environment (climate, land forms, soils, ground and surface waters, natural vegetation, and mineral deposits.) First semester, 3 credits.

151 Economic Geography Coulter, Jarrett

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. Factors which have led to the concentration of manufacturing in certain regions, and world trade in manufactured goods are also discussed. Prerequisite: Geography 150. Second semester, 3 credits.

200 Field Geography Coulter

This course includes mapping of land utilization and the collection and presentation of other field data. Registration only on consent of instructor. Hours and credits to be arranged.

252 Geography of North America Coulter

A survey of the major geographic regions of North America from the standpoint of the relationship between the principal economic activities and the natural environmental complex. Prerequisite: Geography 150, Geography 261 (listed with courses in the Teachers College), or Geology 252. First semester, 3 credits.

253 Geography of the Pacific Basin Coulter

This course is a survey of the major geographic regions of the Pacific Basin from the standpoint of the relationship between the principal economic activities and the natural environmental complex. Special attention is given to Japan and China. Prerequisite: Geography 150, Geography 261 (listed with courses in the Teachers College), or Geology 252. Second semester, 3 credits.

262 Geography of Hawaii Jarrett

This course is designed especially to interpret the economic activities of the people of Hawaii today. It will include a study of typical industries of Hawaii, explained partly by environmental conditions as topography, climate, and natural resources, and in part by other factors. A study of the various races in Hawaii will be made with reference to their earlier history in Hawaii and present adjustments to their environment. The relationship between Hawaii and other Pacific countries will also be discussed. Second semester, 2 credits.
273 Geography of South and Central America

A survey of the economic activities of the peoples of South and Central America as explained by their natural environment. Special emphasis will be placed upon those countries bordering the Pacific. Prerequisites: Geography 150, Geography 261 (listed with courses in the Teachers College) or Geology 252. Second semester, 3 credits.

300 Geography Seminar Palmer, Coulter, Jarrett

Special work in geography may be arranged for students capable of advanced study. Registration only on consent of instructor. Hours and credits to be arranged.

GEOLOGY

252* Physical Geology Palmer

The work of the atmosphere, streams, ground water, lakes, and oceans, snow, ice, earthquakes, and volcanoes. The nature of these agents and the results they accomplish. Prerequisite: either Botany 101, Chemistry 101 or 102, Geography 150 and 151, Physics 102, or Zoology 150. Two recitations and one laboratory period a week. Laboratory fee $1.00. First semester, 3 credits.

253* Historical Geology Palmer

The history of the earth, of its continents and ocean basins, and of its plant and animal inhabitants. Prerequisite: Geology 252 or 256. Two recitations and one laboratory period a week. Laboratory fee $1.00. Second semester, 3 credits.

255 Geology of Ground Water Palmer

The origin, amount, distribution, circulation, recovery, and quality of ground water. Special reference is made to Hawaiian ground water. Prerequisite: Geology 252 or 256. Two recitations a week. Laboratory fee $1.00. Second semester, 2 credits.

256* Geology for Engineers Palmer

The work of the various geologic agencies, with especial reference to the structures they produce and the significance of these structures to engineers. Required of Juniors and Seniors in Civil Engineering. Open to others only on consent of the instructor. Three recitations a week. First semester, 3 credits. (Alternate years; not offered 1933-1934.)

261 Crystallography Palmer

A series of lectures on Crystallography, including the geometrical laws of crystals, and the crystal systems. One lecture a week. Admission only with permission of the instructor. Second semester, 1 credit.

300 Geology Seminar Palmer

Special work in geology may be arranged for students capable of more advanced work. Registration only on consent of instructor. Hours and credits to be arranged.

GERMAN

100 Elementary German Hörmann and Berg

A course for beginners in the German language. Grammar developed from easy reading material. Exercises in reading and translating Ger-
Courses of Instruction

101 Intermediate German

Continuation of German grammar according to methods used in first year. A vocabulary is built up by discussing pictures. Reading and practice of sight reading in class. In the second semester students keep a diary in German which is corrected by the instructor. First and second semesters, 3 credits each.

102 Scientific German

In this course the stress is laid entirely on sentence construction and translation of difficult German scientific readings. In the second semester each student is trained in written translation of scientific material in his chosen field of interest. German scientific journals are used for the purpose. Prerequisite: German 100. First and second semesters, 3 credits each.

200 Advanced German

Rapid reading for comprehension. German classics: Lessing, “Minna von Barnhelm” and “Nathan der Weise”; Schiller, “Wallenstein” and “Don Karlos”; Goethe, “Götz von Berlichingen” and “Egmont”; Bürger, “Balladen.” Compositions. This course is conducted entirely in German. (Alternates with German 201; not offered 1933-1934.) First and second semesters, 3 credits each.

201 Advanced German

In this course contemporary German literature is read. Composition is similar to that in German 200. The course is conducted entirely in German. First and second semesters, 3 credits each. (Alternates with German 200; given in 1933-1934.)

202 Advanced Scientific German

An advanced course in German scientific reading, with especial stress on sentence construction characteristic of scientific writing. Sight translation of scientific material is practiced in class. This course prepares for the reading requirements of an advanced degree. Prerequisite: Two years of college German or permission of the instructor. First and second semesters, 1 credit each.

HAWAIIAN

100 A First Course in the Hawaiian Language

Reading the Hawaiian-English New Testament. First and second semesters, 3 credits each.

101 Second Course in the Hawaiian Language

Reading the Hawaiian-English New Testament. First and second semesters, 3 credits each.

200 Advanced Course

Reading and translation of meles and Hawaiian songs. Composition, literal and figurative Hawaiian songs. First and second semesters, 3 credits each.
300 Hawaiian Literature and Arts

Study of Hawaiian meles, ancient traditions, customs, and the arts and crafts of old Hawaii. Composition of meles and songs. Transposition of Hawaiian prose to mele. First and second semesters, 2 credits each.

HISTORY

For courses in the History of China and Japan see Oriental Studies.

100 History of European Civilization

Development of European political, social, and economic institutions. First and second semesters, 3 credits each. Library fee, $1.00. (Not offered 1933-1934.)

140 History of the Americas

A general survey of the history of North and South America from the discovery to the present time. The emphasis is on the development of the United States and its relation to the other countries of the western hemisphere. Library fee, $1.00. First and second semesters, 3 credits each.

204 Diplomatic and Colonial History of Modern Europe

Causes of the World War; the peace settlements. Prerequisite: History 100, Political Science 170, or the consent of the instructor. Second semester, 3 credits.

243 Recent History of the United States

A detailed consideration of the development of the United States from 1865 to the present. Prerequisite: History 140 or permission of instructor. Second semester, 3 credits.

244 Diplomatic History of the United States

A survey of the foreign relations of the United States from 1778 to the present. Prerequisite: History 140 or permission of instructor. First and second semesters, 2 credits each.

245 History of the West

Territorial growth of the continental United States through colonial to modern times; the diplomacy and politics of expansion; the settlement and development of the West; the influence of expansion upon American thought and institutions. Prerequisite: History 140 or permission of instructor. First semester, 3 credits.

246 History of American Dependencies

A study of the acquisition and development of present territories and insular possessions of the United States. Prerequisite: History 140 or consent of the instructor. Second semester, 2 credits.

253 History of Latin America

The political, social, and economic development of the Latin republics of North and South America. A detailed consideration of such topics
as the Monroe Doctrine, Pan-Americanism, etc. Prerequisite: History 140. First and second semesters, 3 credits each. (Not offered 1933-1934.)

276 History of the Hawaiian Islands

A general course in some detail, with emphasis on the period of the monarchy. Lectures, assigned reading, and exercises. First semester, 2 credits. (Not offered 1933-1934.)

277 The Pacific Region in Modern Times

First contacts of East and West; discovery and exploration; activities of traders and missionaries; development of European and American interests; origin of current problems. First semester, 3 credits.

310 Seminar in Historical Method

Designed to give Graduate students training in the evaluation of sources and the preparation of theses. Open to qualified Seniors and Special students by consent of instructor. First semester, 2 credits.

311 Seminar in American History

Open to Graduates, Seniors, and Special students majoring in history. Second semester, 2 credits.

327 Seminar in Hawaiian History

A seminar course open only by permission of the instructor to Graduate and Special students. The course must be taken for both semesters. First and second semesters, 2 credits each.

HOME ECONOMICS

General Courses

H. E. 250 Household Management

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. First semester, 3 credits.

H. E. 251 Teachers' Course in Home Economics

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, laboratory equipment, and text-books. Second semester, 2 credits.

H. E. 252 Child Training

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. Planned especially for home economics students but open to all Juniors and Seniors. Prerequisite: Psychology 150. Second semester, 2 credits.
H. E. 253 Child Care and Home Nursing  Gaudin and 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. Twelve periods will be given to the discussion and practice of home nursing.

H. E. 291 Practice Course in Home Management  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. For Home Economics majors only. Prerequisite: Junior or Senior standing. Fee to be arranged each year. Conferences and laboratory period. Second semester, 2 credits.

H. E. 295 Field Practice in Home Economics  Miller
After the Junior or 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. Hours and credits to be arranged.

Household Art

H. A. 110-111 Clothing Construction  Otremba
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 per semester. First and second semesters, 2 credits each.

H. A. 112 Textiles  Otremba
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. Second semester, 2 credits.

H. A. 113 Clothing Construction  Otremba
This course deals with the fundamental problems of simple dressmaking, including the use of foundation and commercial patterns. Emphasis is placed upon clothing selection, design, and construction. Offered in the late afternoon primarily for teachers in service. Laboratory fee, $3.50. First semester, 2 credits.

H. A. 114 Dressmaking and Designing  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, dis-
Courses of Instruction

Discussion and laboratory work. Prerequisite: H. A. 110 and 112; prerequisite or parallel: Art 150, 153. Laboratory fee $3.50 per semester. First and second semesters, 2 credits each.

H. A. 150-151* Costume Appreciation 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. First and second semesters, 1 credit each.

H. A. 161 Hand Loom Weaving Otremba

This course includes weaving on the Colonial and Swedish looms; a study of the various types of weaving; interpretation and writing of drafts; original designing and modern interpretations of historic textile designs; and a brief study of the history of hand loom weaving. Prerequisites: Art 150-151 or the equivalent. Laboratory fee, $3.00. Second semester, 2 credits.

H. A. 252 Millinery 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, $5.00 per semester. First semester, 3 credits.

H. A. 253 Advanced Dressmaking 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. Second semester, 3 credits.

Household Science

H. S. 102 Food Economics 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 will be considered. Prerequisite: Chemistry 101 or 102; H.S. 150 or its equivalent. Laboratory fee $5.00 per semester. One lecture, two 2½-hour laboratory periods. First and second semesters, 3 credits each.

H. S. 150 Elementary Food Preparation Bazore

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 prerequisites. One lecture, two 2½-hour laboratory periods. Laboratory fee $5.00. First semester, 3 credits.

H. S. 155 Elementary Nutrition for Pre-Nursing Students Bazore, Glenn

The study and application of the principles of diet in relation to health and disease. This course is designed for pre-nursing students only. Pre-
University of Hawaii

requisite, H.S. 150. One lecture, two 2½-hour laboratory periods. Laboratory fee, $5.00. Second semester, 3 credits.

H. S. 200 Nutrition 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. Prerequisites: Chemistry 101 or 102; Chemistry 152, 153. Prerequisite or parallel: Chemistry 260. Two lectures and one 2½-hour laboratory period. Laboratory fee $5.00 per semester. First and second semesters, 3 credits each.

H. S. 249-349 Research Miller

Problems according to preparation of student. Investigation of nutritional problems; animal and human feeding experiments. For Seniors and Graduates. Laboratory fee $5.00 per semester. Hours and credits to be arranged.

H. S. 251 Food Investigation Miller, 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 $5.00. Second semester, 2 or 3 credits.

H. S. 252-253 Field Practice in Household Science 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. Credits and hours to be arranged. First and second semesters.

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 dietitians in the hospital. Hours and credit 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. 254-255 Cafeteria Practice Bazore

Special arrangements may be made with a school or commercial cafeteria to give students practical training in buying, preparing and serving food in large quantities and in the management of finances and employees. Prerequisites: H.S. 150, H.S. 102, and H.E. 250, H.S. 200, or H.S. 271. Hours to be arranged, 2 or 3 credits.

H. S. 271 Elementary Nutrition Bazore

A study of the principles of diet in relation to health and their application in the planning of meals for the family. Required of all Home
Courses of Instruction

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, one 2½-hour laboratory period. Laboratory fee $5.00. Second semester, 3 credits.

H. S. 350-351* Seminar in Nutrition 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. First and second semesters, 1 credit each.

See pages 56 and 57 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 elective in the Junior and Senior years if desired.

MATHEMATICS

104* Engineering Mathematics Webster

(a) Analytic geometry, plane and solid. (b) Spherical trigonometry. (c) A short course in advanced algebra, including simultaneous quadratic equations, binomial theorem, theory of equations, infinite series, logarithms, compound interest and annuities, probability, determinants. (d) A short course in differentiation. Required of Freshmen in Engineering. Prerequisites: two years of high school algebra, one year of plane geometry, plane trigonometry. Solid geometry is strongly recommended, but not required. First and second semesters, 5 credits each.

106* Calculus Donaghbo

Differential and integral calculus. Required of Sophomores in Engineering. Prerequisite: Course 104. First and second semesters, 3 credits each.

149 Algebra, Plane Trigonometry, and Analytic Geometry Hoy, Yap

A course in algebra, including the quadratic equations, arithmetic and geometric series, binomial theorem, determinants, curve tracing, logarithms, plane trigonometry and analytic geometry. Prerequisite: one year of high school algebra, and one year of plane geometry. Six hours a week. First and second semesters, 3 credits each.

150* Algebra and Plane Trigonometry Hoy, Yap

Prerequisites: two years of high school algebra and one year of plane geometry. First semester, 3 credits.

151* Analytic Geometry Hoy, Yap

Prerequisites: two years of high school algebra, one year of plane geometry, plane trigonometry. Second semester, 3 credits.

152* Analysis Donaghbo

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, plane trigonometry. First semester, 3 credits.
Continuation of Course 152. Satisfactory completion of this course will be accepted for entrance into Mathematics 106. Second semester, 3 credits.

A brief course in practical astronomy, adapted to the needs of engineering students. Required of students in Engineering. Prerequisite: Mathematics 104. First semester, 3 credits. Alternates with M.E. 282.

The theory and applications of ordinary, total, and partial differentials; Taylor, MacLaurin, and Fourier series; hyperbolic functions; and other topics of advanced calculus necessary for the study of ordinary, total, and partial differential equations will be discussed. Special attention will be made to nth-ordered linear equations and their applications. Practical applications of differential equations in harmonic motion, electrical circuits, and other physical problems will be studied. Prerequisites: Mathematics 106. First semester, not more than 3 credits.

Continuation of Course 252. Second semester, not more than 3 credits.

Alternates with Mathematics 250. Prerequisite: Mathematics 106. First semester, not more than 3 credits. (Not offered 1933-1934.)

Continuation of Mathematics 254, Second semester, not more than 3 credits. (Not offered 1933-1934.)

A study of the principles of arithmetic, algebra, geometry, and trigonometry, with reference to methods of teaching. Prerequisites: high school algebra and geometry. First semester, 2 credits.

A continuation of courses 260, with the same prerequisites. Second semester, 2 credits.

Some of the results of recent investigation, especially in their bearing on elementary mathematics, will be discussed. Other topics will include the logical foundations of algebra and geometry, the Euclidean construction with the ruler and compasses, leading to the non-Euclidean. Prerequisites: two years of high school algebra, plane geometry, trigonometry. First and second semesters, 2 credits each. Alternates with Mathematics 272-273.

This course will include a general survey of the growth of elementary mathematics by chronological periods. Special attention will be given to
Courses of Instruction

racial achievements. Prerequisites: algebra, plane geometry, trigonometry. First and second semesters, 3 credits each. Alternates with Mathematics 270-271. (Not offered 1933-1934.)

274-275 Theory of Equations

Complex numbers, theorems on the roots of an equation, graphs, construction. Descartes' rule of signs, Horner's method, Newton's method, imaginary roots, symmetric functions, determinants, and differentiation are some of the topics discussed. An elective course for those majoring in mathematics. Prerequisite: Mathematics 149, or 150-151. First and second semesters, 3 credits each.

MECHANICAL DRAWING

(See Engineering)

MECHANICAL ENGINEERING

(See Engineering)

MILITARY SCIENCE AND TACTICS

All physically fit male Freshmen and Sophomores of American citizenship in regular standing in the University are required to enroll in the Basic Course of the Reserve Officers' Training Corps. In exceptional cases for sufficient reason upon the recommendation of the Professor of Military Science and Tactics, a student may be relieved from such requirement.

At the end of the basic course a student who so elects and who is selected by the President of the University and the Professor of Military Science and Tactics, and who signs a form of written agreement prescribed by the Secretary of War, may be enrolled for two more years of service in the Reserve Officers' Training Corps. Such students are required to devote five hours a week to an advanced course in military science and training throughout two years and the completion of this work becomes for them a prerequisite for graduation. They are required also to attend one summer camp of six weeks' duration. While enrolled in the Advanced Course, except the time at camp, they receive 25 cents a day, approximately $145.00; at camp, the ration itself is furnished and they are paid at the rate of 70 cents a day for the six weeks.

The Course of Instruction for the Infantry Unit, Senior Division

Reserve Officers' Training Corps

Basis for calculation of time available for instruction

<table>
<thead>
<tr>
<th>Basic Course</th>
<th>Advanced Course</th>
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<tbody>
<tr>
<td>3</td>
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<td>36</td>
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<td>96</td>
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† This requirement also applies to unclassified students, with not more than 64 credits, carrying 9 credits.
### First Year Basic Course

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Hours Allocated</th>
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<tbody>
<tr>
<td>Drill and Command</td>
<td>36</td>
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<tr>
<td>Map Reading</td>
<td>16</td>
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<tr>
<td>Rifle Marksmanship</td>
<td>15</td>
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<tr>
<td>Military History and Customs</td>
<td>13</td>
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<td>Military Organization</td>
<td>6</td>
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<td>Military Sanitation and First Aid</td>
<td>6</td>
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<tr>
<td>National Defense Act and Citizenship</td>
<td>4</td>
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### Second Year Basic Course

<table>
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<tr>
<th>Subjects</th>
<th>Hours Allocated</th>
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<tr>
<td>Drill and Command</td>
<td>36</td>
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<tr>
<td>Combat Principles</td>
<td>20</td>
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<td>Automatic Rifle</td>
<td>14</td>
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<tr>
<td>Scouting and Patrolling</td>
<td>12</td>
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<tr>
<td>Musketry</td>
<td>10</td>
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<tr>
<td>Military History</td>
<td>4</td>
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### First Year Advanced Course

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Hours Allocated</th>
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<tbody>
<tr>
<td>Combat Principles</td>
<td>60</td>
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<tr>
<td>Drill and Command</td>
<td>36</td>
</tr>
<tr>
<td>Machine Guns</td>
<td>28</td>
</tr>
<tr>
<td>37 MM Gun and 3-in. Trench Mortar</td>
<td>15</td>
</tr>
<tr>
<td>Aerial Photograph Reading</td>
<td>12</td>
</tr>
<tr>
<td>Rifle Marksmanship</td>
<td>5</td>
</tr>
<tr>
<td>Automatic Pistol</td>
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### Second Year Advanced Course

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<th>Subjects</th>
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<tr>
<td>Combat Principles</td>
<td>54</td>
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<tr>
<td>Drill and Command</td>
<td>36</td>
</tr>
<tr>
<td>Military History</td>
<td>30</td>
</tr>
<tr>
<td>Company Administration</td>
<td>18</td>
</tr>
<tr>
<td>Military Law and O. R. C. Regulations</td>
<td>16</td>
</tr>
<tr>
<td>Tanks and Mechanization</td>
<td>6</td>
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</tbody>
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### Band

Male students, who are interested in music, may register and join the University Band. Attendance required: full practice 3 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.
Courses of Instruction

ORIENTAL STUDIES

Chinese Language, Literature, and History

100 First Year Chinese

Study of 250 foundation characters each semester. Reading and construction of characters and sentences, dictation, simple conversation, and translation. First and second semesters, 3 credits each.

100B Beginners' Course for Occidental Students

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

Continues the study of 250 more foundation characters and idioms each semester. Reading, construction of characters and sentences, dictation, conversation, translation, and composition. First and second semesters, 3 credits each.

101B Intermediate Course for Occidental Students

Same as O.S. 101.

200 Third Year Chinese

Continues the study of foundation characters and idioms. Reading of short stories, poems, and newspaper articles. Letter writing, composition, and translation. First and second semesters, 3 credits each.

200B Advanced Course for Occidental Students

Same as O.S. 200.

221 Chinese Literature

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. First and second semesters, 2 credits each.

225 History of China

A general survey of Chinese history. Study of the development of the political, social, and religious institutions; the growth and expansion of the Chinese empire; China's relations with her neighbors; factors, events and forces that have hindered or hastened the development of Chinese civilization and the making of a new nation. First and second semesters, 2 credits each.

241* History of Oriental Religions

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. Library fee, $1.00 per semester. First and second semesters, 2 credits each. Permission of instructor required.
251* Chinese Literature in English  Lee

Study of some of the classical and modern masterpieces of Chinese literature in English translation. Lectures on the development of Chinese literature and reading of original translations. Prerequisite: English 214 or permission of instructor. Second semester, 2 credits. Library fee, $1.00.

291* Chinese Civilization  Lee

A general survey of the origin and development of the institutions of China. Illustrated lectures, assigned readings, and discussions. Library fee, $1.00. First semester, 2 credits.

300 Seminar in Chinese Historical Literature  Lee

Open only by permission of the instructor to Graduate and Special students. Hours and credits will be arranged for each individual student.

Japanese Language, Literature, and History

102 First Year Japanese  Kunitomo

Reading and translation of Japanese language readers, Katakana, Hiragana, and simple Chinese characters. Dictation and composition. First and second semesters, 3 credits each.

102B First Year Colloquial Japanese For Occidental Students  Kunitomo

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. First and second semesters, 3 credits each.

103 Second Year Japanese  Kunitomo

Reading and translation of Japanese language readers, and the learning of more Chinese characters. Dictation, composition, and letter writing. First and second semesters, 3 credits each.

103B Second Year Colloquial Japanese For Occidental Students  Kunitomo

Continuation of the first year. Reading, translation, and writing in Katakana, Hiragana, and simple Chinese characters. Study of Japanese language readers and magazines. First and second semesters, 3 credits each.

202 Third Year Japanese  Kunitomo


223 Japanese Literature  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. First and second semesters, 2 credits each. (Not offered 1933-1934.)
Courses of Instruction

224 History of Japan Oriental Studies Staff
A survey of Japanese history and civilization; the political, social, and intellectual development of the nation. Lectures and readings. First and second semesters, 2 credits each. (Not offered 1933-1934.)

228 History of Modern Japan Oriental Studies Staff
The modern evolution of Japan since 1868; social, economic, and political changes and international relations during the contemporary period. Prerequisite: O.S. 226 or permission of instructor. First and second semesters, 2 credits each. (Not offered 1933-1934.)

240 Japanese Literature in English Oriental Studies Staff

301 Seminar in Japanese Historical Literature
A course for Graduate students to do research work in Japanese history and literature. Hours and credits will be arranged for each individual student. (Not offered 1933-1934.)

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 per 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 student 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 Study

100 Freshman Course (Men) Klum, Gill, Searle
Required of all first year men. One hour lecture and two hours of supervised exercise a week. First and second semesters, 1 credit each.

101 Freshman Course (Women) Gay, Waterman
Required of all first year women. One hour lecture and two hours of supervised exercise a week. First and second semesters, 1 credit each.

102 Sophomore Course (Men) Klum, Gill, Searle
Required of all second year men. Three hours a week of supervised exercise. First and second semesters, 1 credit each.

103 Sophomore Course (Women) Gay, Waterman
Required of all second year women. One hour lecture, two hours supervised exercise. First and second semesters, 1 credit each.
105 Swimming (Women) 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. First and second semesters, 1 credit each.

B. Advanced section.
Open to all students. Three hours a week. First and second semesters, 1 credit each.

107 Natural Dancing Gay

This course deals with the relationship of music and art to body movements. Open to all students.

A. Beginners' section.
This course includes the fundamentals and technique of the dance. Two periods a week. First and second semesters, 1 credit each.

B. Advanced class.
A continuation of the above with more attention being given to the dramatic element of the dance. Two periods a week. First and second semesters, 1 credit each.

200 Junior Course (Men) Klum, Gill, Searle

Optional to all third year men. Three hours supervised exercise. First and second semesters, 1 credit each.

201 Junior Course (Women) Gay, Waterman

Optional to all third year women. Three hours of supervised exercise. First and second semesters, 1 credit each.

202 Senior Course (Men) Klum, Gill, Searle

Optional to all fourth year men. Three hours of supervised exercise. First and second semesters, 1 credit each.

203 Senior Course (Women) Gay, Waterman

Optional to all fourth year women. Three hours of supervised exercise. First and second semesters, 1 credit each.

220 Physical Education and Health in the Kindergarten-Primary Years Waterman

This course deals with the classroom teacher's responsibilities and opportunities in physical education and health of young pupils. It will also give practice in the games and dances of young children. Two hours a week. First and second semesters, 1 credit each.

222 Physical Education and Health in the Intermediate and Upper Elementary Years Waterman

A study of what constitutes a proper physical education and health program for children between the ages of 9 and 14. Practice is given in the games and dances of children of these ages. Two hours a week. This course is open to women only. First and second semesters, 1 credit each.
Courses of Instruction

223 Physical Education and Health in the Intermediate and Upper Elementary Years

This course is similar to P. E. 222 except that it will make more of a study of boys' athletics and give practice in these. Open to men only. First and second semesters, 1 credit each.

260 Basketball, Track and Field

For men who expect to coach basketball and track activities in secondary schools. Registration contingent upon the consent of the instructor. First semester, 2 credits.

261 Football

A course in theory and practice of the fundamentals of football for prospective coaches. Details of each position, training, managing and the technique of developing offensive and defensive tactics. Registration contingent upon the consent of the instructor. Second semester, 2 credits.

270 Women's Athletics

This course deals with the coaching of team games, including basketball, volleyball, baseball, and other sports such as archery, tennis, etc. Registration contingent upon the consent of the instructor. First semester, 2 credits.

PHYSICS

Students taking courses including laboratory work in the Department of Physics are charged, uniformly, fees of $4.00 per laboratory credit hour.

102 General Physics

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. First and second semesters, 4 credits each.

150 Mechanics and Properties of Matter

Parallel course: Mathematics 106. Three lecture-recitation periods and one laboratory period weekly. This is a required course for Sophomore students in Engineering. First semester, 4 credits.

151 Heat and Light

Parallel course: Mathematics 106. Three lecture-recitation periods and one laboratory period weekly. This is a required course for Sophomore students in Engineering. Second semester, 4 credits.

153 Elementary Radio

Prerequisite: high school physics or the equivalent. Two lecture periods and one laboratory period per week. This course is planned to familiarize the student with the theory, design, and construction of radio equipment used in the field of broadcasting, particularly broadcast reception. Second semester, 3 credits.
202  Electrical Engineering  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. First and second semesters, 3 credits each.

250  Electricity and Magnetism  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. First semester, 3 credits.

253  Electrical Measurements  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. Second semester, 3 credits.

255  Light  Kirkpatrick

Prerequisite: Physics 102 or its equivalent. Lens systems, theory and applications of diffraction, spectrometry, interference, polarization. Two lectures and one laboratory period weekly. First semester, 3 credits.

257*  X-Ray  Kirkpatrick

Prerequisite: Physics 102 or the equivalent. The historical development of the knowledge of X-rays, theoretical considerations, bearing of X-ray research upon problems of modern physics, modern X-ray technique. Two lecture-discussion meetings a week. Second semester, 2 credits.

259  Advanced General Physics  Eller

Prerequisite: Physics 102 or the equivalent. This course is open only to students in Police Administration. Topics will be chosen for discussion from the general field of physics which have special significance in police work. Two lecture-discussion periods per week. Second semester, 2 credits.

261  Advanced Physics

Prerequisite: Physics 102 or the equivalent. Students may pursue any desired branch of physics through recommended reading with occasional consultation and written reports, or may elect to carry out some experimental problem under the supervision of the instructor. This is not primarily an honors course. Hours and credits by arrangement.

361  Physical Research

Students possessing requisite qualifications will be permitted to pursue original investigations, under the supervision of the department. Hours and credits by arrangement.
Courses of Instruction

POLICE ADMINISTRATION

250 Organization
Gabrielson
Historical developments of police systems, and the present organization and functioning of the Honolulu police. First semester, 2 credits.

251 Criminal Law
Clarke
Definition, nature, classification, and other elements of criminal law of primary importance to police officers. First semester, 2 credits.

252 Laws of Arrest and Court Procedure
Clarke
Methods of making arrests with or without warrant. A study of criminal procedure from indictment to acquittal or conviction in the territorial or federal courts. Second semester, 2 credits.

253 Criminal Investigation
Griffin

254 Evidence
Clarke
A study of the kinds of evidence: primary and secondary, documentary, opinions and conclusions, confessions and admission, hearsay, declarations, res gestae, character or reputation, dying declaration, and evidence of former trial or convictions. Second semester, 2 credits.

POLITICAL SCIENCE

150 American Government and Politics
George
A rapid survey of national and territorial political institutions and problems. Special emphasis on the duties and privileges of citizenship. Library fee, $1.00. First semester, 3 credits.

151 Governments of Europe and the Far East
George, Bachman
A survey of the governmental organization and politics of the states of Europe and of the Far East. Library fee, $1.00. Second semester, 3 credits.

170 International Relations and Organization
Bachman
The conflicts of nationality, imperialism, international trade and foreign policy; the development of international organization. Library fee, $1.00. Second semester, 3 credits.

171 Problems of Democracy
George
A study of the problems of the modern democratic state: electoral problems, the direct primary, political propaganda, etc. Library fee, $1.00. First semester, 3 credits.

200 Problems of the Pacific
Bachman
A survey of the most important political problems, both national and international, of the nations within the Pacific area. Prerequisites: Political Science 150, 151, or 170. First semester, 3 credits. (Not offered 1933-1934.)
256 American Political Parties

A study of the organization and methods of American political parties. Prerequisite: Political Science 150 or 171. First semester, 2 credits.

258 Conduct of American Foreign Relations

A study of the machinery and methods of the State Department and the diplomatic and consular service of the United States. Prerequisite: Political Science 150-151, or consent of instructor. First semester, 2 credits.

266 Political Conditions in Europe and the Far East

A survey of the international and internal politics of the principal nations of Europe and of the Far East. Second semester, 2 credits.

261 International Law

The rules governing the intercourse of states in peace and war. Prerequisites: Political Science 150, 151, or 170. Second semester, 3 credits.

258 Conduct of American Foreign Relations

A study of the machinery and methods of the State Department and the diplomatic and consular service of the United States. Prerequisite: Political Science 150-151, or consent of instructor. First semester, 2 credits.

270 The Government of Hawaii

Hawaii and the federal government; the Territorial government; the county, and city and county governments; political parties; citizenship in Hawaii; problems of government in the Territory. Prerequisites: Political Science 150 or 171, 3 credits. (Not offered 1933-1934.)

273 Dependencies of the Pacific

A study of the government of dependencies in the Pacific region. Comparative colonial policies of the United States, Great Britain, France, the Netherlands, and Japan. Prerequisites: Political Science 150, 151. Second semester, 3 credits. (Not offered 1933-1934.)

300 Seminar in Political Science

Open only to Graduate and Special students and upper classmen who have completed at least 15 hours of Political Science. First and second semesters, 2 credits each.

PSYCHOLOGY

150 General Psychology

An introductory course in psychology, offering a survey of the various aspects of mental life. Although it is not a prerequisite, beginning students in psychology will find Zoology 150 of great benefit. Not open to first year students. First semester, 3 credits.

151 Applied Psychology

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. Second semester, 3 credits.

152 Experimental Psychology

A laboratory course dealing with the application of the experimental method to collection and treatment of psychological data. Selected ex-
periments and demonstrations of apparatus. Registration only by per-
mission of instructor. Laboratory fee $3.00. Second semester, 3 credits.

200 Reading or Research Staff

Certain selected undergraduates may register in this course for special
work on a research problem or intensive reading in some field of indi-
vidual interest. Registration only by permission of staff member con-
cerned. Either semester, credit to be arranged.

250 Educational Psychology Livesay

(Described in Teachers College courses)

252 Racial Psychology Porteus

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 equiva-
 lent. First semester, 2 credits.

267 Psychology and Treatment of Exceptional Children Smith

(Described in Teachers College courses)

268 Mental Hygiene Smith

(Described in Teachers College courses)

280 Social Psychology Babcock

The psychology of human relations. A survey of the various psychologi-
 cal factors which operate to determine the behavior of an individual in
his many social relationships. Prerequisite: Psychology 150 or the equiva-
 lent. First semester, 3 credits.

300 Reading or Research 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. Either
semester, credit to be arranged.

351 Advanced Educational Psychology Livesay

(Described in Teachers College courses)

361 Mental Deficiency and Abnormality Smith

(Described in Teachers College courses)

382 History of Psychology Weeber

A resume of the development of psychology from ancient to modern
times. Attention will center around the outstanding personalities in the
field. Registration only by permission of instructor. First semester, 2
credits.

395 Modern Viewpoints in Psychology Weeber

A survey of the various viewpoints as represented in the writings of
contemporary psychologists. Registration only by permission of instruc-
tor. Second semester, 2 credits.
RELIGION

Courses in religion taken in the Hawaii School of Religion may be credited toward graduation from the University of Hawaii, provided the courses taken are of a nature to justify the granting of credit. The courses that may be credited are designated by the University.

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 shall be considered a written request for credit for such courses.

100 Fundamental Problems Thomas

In this general course an attempt will be made to consider the contribution of religion, art, science, and morals to human happiness. Open to Freshmen and Sophomores only. First and second semesters, 1 credit each.

204 History of Philosophy Logan

An investigation of philosophical systems as to origin, development, and mutual relation, selection being made from the four great periods designated as (1) Indian and Chinese, (2) Greek and Latin, (3) Patristic and Medieval, and (4) Modern European. First and second semesters, 2 credits each. No credit for students receiving credit for Religion 234.

216 History of Christianity Fujinaga

An historical perspective of the Christian movement with special emphasis upon the formative period of the Church in the first century and its present period of world-wide contact with various ideals and cultures. First and second semesters, 2 credits each.

234 Comparative Philosophy Thomas

A comparison of representative philosophers of East and West by an analysis of their underlying motives due to various cultural and personal factors. First and second semesters, 2 credits each. No credit for students receiving credit for Religion 204 or 260. Prerequisite: One year of university work.

250 Principles of Religious Education Killam

Through a study of religious biography of the medieval and modern period and of life histories, the principles of religious education are deduced. The bearing of present day educational principles upon the development of moral and religious attitudes and habits in the home, church, and community group will be studied. First semester, 2 credits.

251 Methods of Religious Education Killam

The application of present day educational methods to teaching, administration, and leadership in Sunday School, Week-day Religious Education, Vacation Bible School and other institutions. Second semester, 2 credits.

252 Life of Jesus Thomas

A study of Roman and Jewish culture at the time of Jesus, an investigation of the Gospel records, and a presentation of events in accord with scientific and philosophic standards. First or second semester, 3 credits.
Courses of Instruction

254 Historical Development of the Bible  
Killam

A survey course designed to acquaint the student with the facts which historical, archeological, and literary research have discovered regarding the origin and development of the Hebrew and Christian Scriptures in various countries. First semester, 2 credits. No credit for students receiving credit for English 213. (Not offered in 1933-1934.)

256 Nature Worship in Hawaii  
Handy

Religious experience, mythology, deities and ritual in relation to life and culture in Hawaii and Polynesia. Comparisons with other advanced historic nature cults. First semester, 2 credits.

260 Christian Philosophy  
Thomas

An attempt to understand and evaluate the views of certain world famous philosophers, and to harmonize these views with the teachings of Jesus critically interpreted. The philosophers selected are Confucius, Gautama, Spinoza, Marx, and Dewey. First or second semester, 2 credits. No credit for students receiving credit for Religion 234.

290 Social Philosophy  
Thomas

This course is designed to meet the needs of students who hope to live a normal life in the modern world of change and increasing individuality. It will deal with the art of living together, sex, and society, and a working philosophy of life. First semester, 3 credits. Prerequisite: two years of university work.

291 Constructive Philosophy  
Thomas

An introduction to philosophy through a creative classification of human activity and knowledge with special reference to man's all-embracing method of gaining happiness. The course will conclude with a study of the meaning of God in relation to beauty, goodness and truth. Second semester, 3 credits. Prerequisite: two years of university work.

SOCIOLOGY

150-151 Instruction to the Study of Sociology  
Thompson

An orientation course. First semester: the origin and development of the moral order including custom, friendship, marriage and the family, totemism, magic, and religion. Second semester: the political and competitive orders, including a consideration of political society, division of labor, indigenous society, and the world community, world politics, and world religion. Lectures, readings, discussions, and field study. Syllabus fee, $2.00. First and second semesters, 3 credits each.

260-261 Discussion as a Social Process  
Killam

Principles and methods of social relationships, including the relationships between parents and children, men and women, and the individuals of the social group are to be dealt with during the first semester. During the second semester, discussion is studied as a method of group thinking and attention is given to the development of technique in group discussion. The work includes readings, discussions, field work, and reports. Prerequisite: Sociology 150. First and second semesters, 3 credits each.
267 The Family

Thompson

Primitive types of family organization. Evolution of family systems. A comparative study of the Occidental and Oriental family. Family organization, disorganization, and personality traits. Prerequisite: Sociology 150-151. First semester, 3 credits.

268 Human Migrations

Lind

Population movements in contemporary society. Methods of gauging their volume and direction. Factors affecting modern mobility. The resultant racial competition and cultural conflicts. The role of migration in civilization building. Migration and the person. Statistical analysis of world movements. The use of quantitative and life history materials in the analysis of local migration. Laboratory and field studies. Prerequisite: Sociology 150-151. Library fee, $1.00. First semester, 3 credits. (Not offered 1933-1934.)

269 Personality and Culture

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 and the group through ethnological, autobiographical, and clinical materials. Prerequisite: Sociology 150-151. Library fee, $1.00. Second semester, 3 credits.

270 Population

Lind


279 Community Organization

Lind

The local community conceived as a constellation of groups and institutions. The processes affecting their growth, distribution, and movement. The role of various institutions, e.g., the family, church, school, and other social agencies. Patterns of personal and social organization and disorganization. Field trips to institutions, agencies, and districts of Honolulu and neighboring communities. Lectures. Special reports. Prerequisite: Sociology 150-151 or permission of the instructor. First semester, 3 credits. Library fee, $1.00.

280-281 Sociology

Staff

Individual research. Open to advanced students of sociology capable of pursuing local research problems under guidance of the staff. First and second semesters. Registration by permission. Credit to be arranged.

282-283 Sociology

Staff

Directed Reading. Designed for advanced students of sociology desirous of acquainting themselves with the literature of the field. First and second semesters. Registration by permission. Credit to be arranged.
285  The Commonwealth of the Pacific  Thompson

A study of the Pacific area from the point of view of human ecology. Topics to be considered will include the native peoples of the Pacific, changes in transportation and communication, capital investments, economic succession, plantation agriculture, racial invasion, and population distribution and redistribution. Lectures, readings, reports, and discussions. Prerequisite: Sociology 150-151. Second semester, 3 credits.

294-295  A General View of Social Work  Findley

The principles underlying social work as revealed by social work practice. The consideration of certain undesirable social conditions and the local organizations that attempt to meet their need. Causes of these social conditions and possible preventive measures. Readings, discussions, analysis of reports, field studies of social conditions and organizations and institutions. Prerequisite: Sociology 150-151. First and second semesters, 3 credits each.

296-297  Methods in Social Case Work  Bergen

The purpose of the course is to develop a technique in the investigation, diagnosis, and treatment of social work cases. Open only to those who are doing work under the direction of some social agency. Readings for principles of social case work. Discussions of illustrations of the work of the students actually accomplished on the field. First and second semesters, 3 credits each. (Not offered in 1933-1934.)

350-351  Race Contacts in Hawaii  Adams, Lind, Thompson

A seminar course including lectures relating to race relations research in Hawaii. Class members will carry on research projects relating to the social process in Hawaii. Conclusions are to be presented to the class for criticism. Admission is limited to eight Seniors or Graduate students with special permission. First and second semesters, 2 credits each.

SPANISH

100*  Elementary Course  Carr

Conversation and dictation. Both Castilian and Latin-American pronunciation taught. First and second semesters, 3 credits each.

101*  Contemporary Spanish Literature  Pecker

Works of Galdós, Valera, Pereda, Ibáñez, and others. Conversation and composition based on Waxman’s “A Trip to South America.” Commercial correspondence. First and second semesters, 3 credits each.

250*  Spanish Classics  Pecker


251*  Advanced Spanish Seminar  Pecker

Rapid reading of modern Spanish novels, plays and current periodicals. Lectures and discussions. Individual research and reports on assigned topics. Prerequisite: Spanish 250. (Not offered 1933-1934.)
Modern Spanish Novel  
Rapid reading course with advanced work in composition and conversation. Review of grammar. This course alternates with Spanish 250. Prerequisite: two years of college Spanish. First semester, 2 credits.

Modern Spanish Drama  
Rapid reading of modern Spanish plays, with continued work in composition, diction, and conversation. This course alternates with Spanish 251. Prerequisite: Spanish 252. Second semester, 2 credits.

SUGAR TECHNOLOGY

In addition to the courses outlined below there are other Sugar Technology courses listed in the Chemistry and Agriculture Departments.

Sugar Analysis  
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 $7.00 per semester. First and second semesters, 3 credits each.

Sugar-House Calculations  
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. First semester, 1 credit.

Sugar Manufacture  
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 Juniors and Seniors in Sugar Technology. Prerequisite or parallel: S. T. 201. Three hours a week classroom. First semester, 3 credits. (Alternate years; not offered in 1933-1934.)
Courses of Instruction

253 Summer Practice

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. 6 credits.

255 Field Practice

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. He may serve a part or all of the time at the Waipio Substation, or he may be sent out as an assistant to the field men in charge of experimental work on the various plantations. A written report in duplicate must be submitted at the end of the semester. 16 credits. In order to be admitted to this course previous enrollment for at least one year in the University of Hawaii is necessary.

257 Factory Practice

Seniors in the Sugar-house Engineering Division 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, boiling-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. 16 credits. In order to be admitted to this course previous enrollment for at least one year in the University of Hawaii is necessary.

N. B.—Seniors in the chemistry division of Sugar Technology may elect either Sugar Technology 255 or Sugar Technology 257, after consultation with their advisor.

SURVEY COURSES

100 A Survey of the Natural Sciences

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 about the world, but also to the processes by which our knowledge has developed. The subject matter will be drawn from the fields of anthropology, astronomy, botany, chemistry, climatology, engineering, geography, geology, paleontology, physics, and zoology. The course is planned primarily for Freshmen in (a) the Social Sciences, and (b) the Language, Literature, and Art groups of the College of Arts and Sciences, and (c) Freshmen in Teachers College. Laboratory fee, $1.00 per semester. Three lectures a week. First and second semesters, 3 credits each.

251* History of Science

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 each week. Second semester, 2 credits.
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 pursuance of marine biological studies by the undergraduate or Graduate student. Special investigators will be offered every possible facility for research.

100 **Marine Ecology**

A course in ecological studies of marine organisms, in which the determination of some of the factors controlling their relations to environment will be attempted. Experimental work will be conducted both in the laboratory and on the reefs. Prerequisites: Zoology 150 and 151. Two laboratory periods a week with library reading and lectures. Laboratory fee $2.00 per semester. First and second semesters, 3 credits each.

102 **Mammalian Anatomy**

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 $8.00 per semester. First and second semesters, 2 credits each.

150 **General Zoology**

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 $5.00. First semester, 4 credits.

151 **Comparative Anatomy of Vertebrates**

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 $5.00. Second semester, 4 credits.

152 **Histological Technique**

A laboratory course involving methods of fixing, staining, and mounting animal tissues. Studies will be made of the tissues prepared. Prerequisites: Zoology 150 and 151. Two laboratory periods a week. Laboratory fee $10.00. First semester, 2 credits.

153 **Vertebrate Embryology**

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 $5.00. Second semester, 3 credits.

170 **General Entomology**

A study of the structure, habits, and classification of insects. Prerequisites: Zoology 150 and 151 or Botany 101. Two hours recitation and
Courses of Instruction

171 Economic Entomology
Lectures and reports on the more important insect pests of agriculture, livestock, and man, and their control, with special reference to Hawaii. Laboratory work includes the recognition and collection of specimens of stages in the life history of economically important insects. Trips are made to various experiment stations and fields. Prerequisite: Entomology 170. Two hours recitation and one laboratory period weekly. Laboratory fee $2.00. Second semester, 3 credits.

210 Zoological Seminar
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. First and second semesters, 1 credit each.

251 Cellular Biology
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 152. Open to Junior and Senior students. Second semester, 1 credit.

253 Parasitology
A study of animal and human parasites and their relation to disease. Attention is given to the actual discovery and identification of parasites in hosts as well as a study of prepared material. A course designed to meet the requirements of general students as well as those preparing for medicine. Prerequisites: Zoology 150 and 151. Open to Juniors and Seniors. One hour recitation and two laboratory periods. Laboratory fee $4.00. Second semester, 3 credits.

254 Insect Morphology
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. Prerequisites: Zoology 170 and 171. Two laboratory periods a week. Laboratory fee $2.00. First semester, 2 credits.

255 Systematic Entomology
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 $2.00. Second semester, 2 credits.

291 Physiology
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. Second semester, 3 credits.

300 Research
Students with sufficient preparation are encouraged to undertake the investigation of special zoological problems with reference to land, fresh water, or marine animals. Hours and credits to be arranged. Laboratory fee not less than $5.00 per semester.
(Certain required and elective courses are not included among the following descriptions for the reason that 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 the Teachers College.

ARITHMETIC

250 The Teacher’s Financial Problems McCluskey
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. First or second semester, 2 credits.

251 The Fundamental Processes of Arithmetic Traut
A course which gives acquaintance with the diagnostic and practice materials now available and also such drill as is needed in the various operations. Each student is given an opportunity to find and remedy his own weaknesses. First or second semester, 1 credit.

ART

261 Art for Kindergarten-Primary Teachers
The course makes a study of the various types of art activities, free-hand and constructive, suited to the growth of creative ability in the fine arts as a part of the daily interests of children in the kindergarten and primary years. Four hours of class work a week. First or second semester, 2 credits.

262 Art for the Intermediate and Upper Elementary Years
A course similar to 261, except that the types of art activities to be examined and practiced will be for more mature children. There will be reading and discussion in the theory of public school art. Four hours of class work per week. First semester, 2 credits.

264 Art Values in Home and Community
Art related to the practical problems of home and community life, illustrated by examples of architecture, crafts, house furnishings, textiles, costumes, paintings, etc. There will be field trips, reading, discussion and experiments. First or second semester, 2 credits. (Not offered 1933-1934.)

291 Teachers’ Course in Art
A course in the organization and administration of art education. Class discussions of various theories, methods, and systems of teaching art.
Courses of Instruction

The development of a constructive program of art education with practical application to the work in the junior high school. Second semester, 2 credits.

Biology and Nature Study

135 Biology

Observation and study of selected Hawaiian plant and animal forms in their natural environment, followed by attention to those biological questions which contribute most directly to the explanation of behavior and thus form a biological basis for the understanding of human behavior on the psychological level. First and second semesters, 2 credits each.

136 Nature Study

The work will center about the following: (1) plant and animal communities, stressing the interaction of one form of life upon another; (2) availability, cost, and importance of equipment, care of potted plants, glass and dish gardens, aquaria, etc. First and second semesters, 2 credits each.

EDUCATION

Basic Courses

100 Introduction to Education

This course is the first of a series of three which form a core of professional work running through the first two years of the student's program. These courses are constructed around practical professional problems beginning with those closest to the entering student and remaining so far as possible from the student's point of view practical and significant throughout. The instructor in charge of a particular section is responsible for undertaking to stimulate and help individual students to integrate their various college experiences around their professional interest. This particular course and those of the series following are intended to be unifying professional courses. First and second semesters, 3 credits each.

180 Problems of Human Behavior

The emphasis in this course is upon the adjustive and social nature of behavior. The nature of habit is studied. The student is introduced to the problems of mental hygiene and of social psychology. The course is continuous with 100 described above. First semester, 3 credits.

181 Problems of Educational Method

The problems dealt with in this course will be centered for the most part around such matters as differing conceptions of the meaning and place of "learning," concern for the "whole" child, thinking as method, care for individual differences, meaning and place of "subject matter." The course is continuous with 100 and 180. First or second semester, 3 credits.

Comparative Education and Curriculum

280 The Kindergarten Curriculum

The course is given to a study of the principles that determine the selection of subject matter and the organization of the modern kinder-
garten curriculum. Some attention is given to the evolution of the modern kindergarten-primary curriculum. First semester, 2 credits.

282 **The Primary Curriculum**

Smith

In this course students work upon the problems of curriculum making in the classroom. An examination is made of a wide range of reported activities and an attempt is made to draw up a set of guiding principles for organizing and developing activities. The volume entitled "Activity Program for the Primary Years," published by the Department of Public Instruction, is critically examined. First or second semester, 3 credits.

285 **The Elementary School Curriculum**

Sayers

This course deals with the most technical problems with which the teacher has to work—those of curriculum building in the classroom. Criteria are formulated, and criticisms of various present practices are developed. Contrasting daily and weekly schedules are examined. The difficulties and dangers of the "activity" program are studied. First semester, 3 credits.

293 **Comparative Educational Practice**

Peterson

An examination of literature descriptive of school practices in the so-called New Schools abroad and in America. Attention will be given to such school procedures in America as the Winnetka, Dalton, Francis W. Parker, Lincoln, and many others including Hanahauoli and Kawananako. Study will be made of the newer schools of Germany, Russia, and Austria. First semester, 3 credits.

**Educational Psychology**

250 **Educational Psychology**

Livesay

This course deals with psychological principles underlying the educational process, and includes such topics as native endowment, transfer of training, individual differences, sex differences, and habit formation. Prerequisite: Psychology 150 or the equivalent. First semester, 3 credits.

267 **Psychology and Treatment of Exceptional Children**

Smith

The psychological and educational aspects of problems presented by the various types of exceptional children. Detailed consideration given to special experiments and curriculum matters. Prerequisite: Psychology 150 or the equivalent. Second semester, 3 credits.

268 **Mental Hygiene**

Smith

A study of the factors that determine personality and the conditions requisite to the preservation of mental health. Special emphasis is laid on the principles underlying child care and education, and on methods of studying the maladjusted child. Prerequisite: Psychology 150 or the equivalent. First or second semester, 3 credits.

351 **Advanced Educational Psychology**

Livesay

The application of experimental evidence in the field of psychology to the major educational problems. Attention given to the bearing of recent psychological theories upon education. Registration only by permission of instructor. Second semester, 2 credits.
Courses of Instruction

361 Mental Deficiency and Abnormality  
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 only by permission of instructor. First semester, 3 credits.

371 Experimental Child Study  
The course offers to qualified students an opportunity to do experimentation in the field of child psychology. Credit: 2 to 3 hours, according to amount of work done. Second semester.

Educational Philosophy and Method

251 Principles of Secondary Education  
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; and values of the various secondary school subjects are some of the major topics considered. Prerequisite: Education 250. Second semester, 3 credits.

252 Principles of Teaching in Secondary Schools  
Application of psychological principles to classroom procedure. Diagnosis of pupils, motivation, lesson planning, discipline, socialized recitation, project teaching, and supervised study. Systematic visits to secondary schools may be required as part of the course. Limited to Seniors and Graduate students. First Semester, 3 credits.

340 Philosophy of Education  
A re-examination of certain basic philosophic questions, the answers to which constitute the viewpoints which guide in the solution of problems of policy in education, followed by an attempt to construct a working theory of education—of administration, curriculum, method—which will serve best in a democracy. Registration by permission of the instructor. First and second semesters, 2 credits each.

345 Seminar in Philosophy of Education  
Advanced study of controversial problems in education. Open to a limited number who have earned from 2 to 4 credits in Education 340. First and second semesters, 2 credits each.

History of Education

295 History of Education in the United States  
A study of the evolution of American educational institutions from the colonial period to the present, with attention to the political, social, religious, and economic factors as they have influenced educational development. Limited to Seniors in Elementary Education the first semester, and to Seniors and Graduate students in Secondary Education the second semester. First or second semester, 3 credits.

296 History of Education in Hawaii  
Education in primitive Hawaii, under missionary control, under monarchical control and in modern times; development of private educational institutions and of higher educational facilities. First semester, 2 credits.
350 History of Education

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. Registration only by permission of instructor. Second semester, 3 credits.

Measurement and Research

260 Statistical Method

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. First semester, 3 credits.

261 Educational Measurements for Secondary Teachers

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. Second semester, 3 credits.

262 Educational Measurements for Elementary Teachers

An introduction to achievement tests and testing. Something of the history and meaning of the testing movements is studied. The place of tests in an "activity" school is investigated. First or second semester, 2 credits.

300 Reading or Research

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 member concerned. Either semester, 1 to 3 credits, depending upon the nature of the work.

380 Seminar in Research and Thesis Writing

This course is designed to assist Graduate students in thesis preparation and will deal principally with research technique and thesis development. Registration only by permission of instructor. First semester, 2 credits.

Educational Sociology

291 Adult Education

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. Second semester, 2 credits.

294 Educational Sociology

An examination of those factors and situations within the contemporary school and community which play a large part in influencing man's be-
Courses of Instruction

Behavior, in order to discover the conditions within which a better education may be developed. First or second semester, 3 credits.

Educational Administration

264 Elementary School Organization and Management  Wist, Sayers

A study of organization, administration, and supervision of the modern elementary school. The course will deal with such matters as the programming of work, administration of library facilities, school government, extra-curricular activities, records and reports, classification, handling of problem cases, parent-teacher association work, organization for curriculum making. First semester, 3 credits.

363 Educational Administration  Wist

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 only by permission of instructor. Second semester, 3 credits.

Practice Teaching

135 Participation in Teaching  McCluskey

Students are assigned as assistants to classroom teachers in Kawananakoa 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 the courses in Problems of Behavior and Problems of Educational Method. First and second semesters, 1 credit each.

253 Practice Teaching in Secondary Schools  Spencer

Practice teaching in the secondary schools of Honolulu. An arrangement exists with the Department of Public Instruction whereby qualified students may have an opportunity to do practice teaching in Honolulu public secondary schools. All students registered in this course will be required to attend a one hour conference each week. Open only to Seniors and Graduate students. First and second semesters, 4 credits each.

254 Practice Teaching in Kindergartens and Elementary Schools  McCluskey

Practice teaching at the Kinau Kindergarten, Teachers College Elementary School, and Teachers College Rural School, done under the supervision of members of the staff of Teachers College. 16 credits.

275 Practice Teaching in Vocational Agriculture  Armstrong

Practice teaching in a department of vocational agriculture. Designed for students who are fairly familiar with Hawaii's major crops. Second semester, 3 credits.

277 Practice Teaching and Field Practice in Agriculture  Armstrong

Designed for those who are not acquainted with Hawaiian agriculture. Students will spend the entire semester on some plantation having a de-
partment of vocational agriculture where they will alternate between practice teaching and practical field work. Open only to Seniors approved by the Professor of Agricultural Education. Second semester, 16 credits.

**ENGLISH**

103 **General English**
Coale, Kluegel

The first of a two year series of courses covering work in composition and literature as correlated subjects. Emphasis is placed upon informational background, intelligent appreciation, and effective use. Oral expression and certain other professional aspects receive consistent attention. First and second semesters, 3 credits each.

135 **General English**
Coale, Kluegel

A continuation of English 103. First and second semesters, 3 credits each.

176 **Child Life in Literature**
Coale

A reading course in literature—particularly poetry, fiction, and biography—that portrays childhood experience. Attention is given also to literary production by children as a means of self-revelation. Either semester, 2 credits. (Not offered 1933-1934.)

237 **The Teaching of English in Secondary Schools**
Coale

A course dealing with the program in English for the junior high school years. The teaching of reading and literature is treated in the first semester, and the teaching of language and composition in the second semester. First and second semesters, 2 credits each.

264 **Creative English in the Elementary School**
Coale

This course offers aid in meeting classroom problems related to pupils’ use of language for meaningful communication and thinking. Emphasis is placed upon the development of such aspects of expression as facility, individuality, thoughtfulness, organization, and word supply, and upon the adaptation of language to varied social situations and individual needs. First semester, 2 credits.

265 **Remedial English in the Elementary School**
Coale

The aim of the course is to study the nature of the problem of language and speech shortages in Hawaii, and to develop means whereby the teacher may determine and treat deficiencies among pupils. First or second semester, 2 credits.

270 **Literature for the Kindergarten-Primary Years**
Kluegel

A course designed to acquaint the student with the literature, both technological and literary, suitable for children of kindergarten and primary years. First semester, 1 credit.

271 **Literature for the Intermediate and Upper Elementary Years**
Kluegel

A survey of literature suitable to children of the middle and upper years of the elementary school. First or second semester, 2 credits.
Courses of Instruction

GEOGRAPHY

261 Occupational Geography  Jarrett
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. First or second semester, 3 credits.

262 Hawaiian Geography  Jarrett
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. First or second semesters, 2 credits.

LIBRARY TECHNIQUE

150 Library Technique  Macdonald
A course designed to give elementary acquaintance with the technique of library management that should prove valuable in caring for the school library. Second semester, 1 credit.

MUSIC

140 Mixed Chorus  Kahananui
An opportunity for students to have experience in vocal ensemble work and to acquire a repertoire of good choral music. Two meetings a week. First and second semesters, 1 credit each. (Not offered 1933-1934.)

145 Orchestra  Kahananui
Open to students who have had orchestral experience in high school. Two meetings a week. First and second semesters, 1 credit each. (Not offered 1933-1934.)

147 Survey of Musical Literature  Kahananui
The course is intended to provide the student with an opportunity to become acquainted with some of the masterpieces of music and to understand their messages and characteristics. Two meetings a week. First and second semesters, 1 credit each.

152 Fundamentals of Music  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. First semester, 1 credit.

250 Music for the Intermediate and Upper Elementary Years  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. Four meetings a week. First semester, 2 credits.
251 Music for the Kindergarten-Primary Years 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. First or second semesters, 2 credits.

261 Music History Through the Classical Period Kahananui

A study of earlier periods of music in the light of their influence on the development of later music. Through records, the growth of music in relation to environment and as influenced by changing civilization will be traced. Second semester, 2 credits.

262 Music History of the Nineteenth Century Kahananui

The study of the history of this period will involve listening to much music. Comparison will be made between the development of the art and literature of this period and the development of music. First semester, 2 credits.

264 Music for the Intermediate and Upper Elementary Years 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 will be studied, and the integration of music with other subjects in the curriculum, with a view to developing an understanding of music as education. Study of the child voice and its care, especially the changing voice, will be made. Registration limited to teachers in service. First semester, 2 credits.

265 Music for the Junior High School Years Kahananui

A survey of current problems in junior high school music education. The organization of a program of music that will function in the life of the adolescent child. Second semester, 2 credits.

267 Music for the Kindergarten-Primary Years Kahananui

Study of materials for the kindergarten-primary years through which sensitiveness to beauty of tone and rhythm can be developed. A song repertoire is built. A study is made of the child voice and its care. Registration limited to teachers in service. Second semester, 2 credits. (Not offered 1933-1934.)

PHYSICAL AND HEALTH EDUCATION

140 Health Education Rhea

Study of individual and community hygiene with special reference to local conditions. First and second semesters. Required of all first year students and substituted for one of the three required hours of physical education.

220 Physical and Health Education in the Kindergarten-Primary Years Waterman

This course deals with the classroom teacher's responsibilities and opportunities in the health and physical education of young pupils. It will
Courses of Instruction

also give practice in the games and dances of young children. Two hours a week. First and second semesters, 1 credit each.

222 Physical and Health Education in the Intermediate and Upper Elementary Years

A study of what constitutes a proper health and physical education program for children between the ages of 9 and 14. Practice is given in the games and dances of children of these ages. Two hours a week. Open to women only. First and second semesters, 1 credit each.

223 Physical and Health Education in the Intermediate and Upper Elementary Years

This course is similar to 222 except that it will make more of a study of boys' athletics and give practice in these. Open to men only. First and second semesters, 1 credit each.

PRACTICAL ARTS

250 Woodcraft

This course is intended to provide working knowledge of the various common tools and materials and of the processes in which they are employed. Two two-hour periods a week. First or second semester, 2 credits.

270 School and Home Gardening

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. First or second semesters, 2 credits.

SCOUTING

240 Boy Scouting

A course devoted to education for boy scout leadership. First and second semesters, 1 credit each.

283 Girl Scout Training Course

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. Second semester, 1 credit.

SOCIAL SCIENCE

135 Problems of the American Citizen

This course is intended to bring the student into contact with the current issues of American life and to guide him through an historical treatment of these problems to an increased understanding of the factors that have played a part in their evolution. First and second semesters, 2 credits each.

250 Social Science in the Elementary School

This course aims to give an insight into the nature and meaning of the social studies. Emphasis will be placed upon types and sources of materials suitable for use in the elementary school. First semester, 2 credits.
251 Social Science in the Secondary School  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 curriculum are major topics considered. Second semester, 2 credits.

271 History Materials for Children  Gordon

An attempt to develop an acquaintance with types and sources of history materials suitable for use of pupils in the middle and upper elementary years. First semester, 1 credit.

**VOCATIONAL EDUCATION**

271 Principles of Vocational Education  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. Three lecture-recitations a week. Second semester, 3 credits.

272 Teaching Agricultural and Related Subjects  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. Three lecture-recitation periods a week. First semester, 3 credits.

274 Methods of Teaching Vocational Agriculture  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. Three lecture-recitations per week. First semester, 3 credits.
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 pro­
fessional 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 bene­'
fit 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 gradu­
ate student or staff member subject to consent of the instructor.

BOTANY

301 Physiological Seminar Sideris

During each semester intensive study is made of some topic in the
field of Plant Physiology by a presentation of the latest important con­
tributions on the subject. Prerequisites: Botany 256 and Chemistry 211.
For the year 1933-1934 the following topics will be considered. First
semester, "Water Relations of Plants," including theories of absorption
and the effect of environmental factors on transpiration; second semester.
"Respiration and Oxidation-Reduction Processes" as related to biological
activities. 1 credit each. Hours to be arranged.

302 Research in Plant Physiology Sideris

Open to qualified students in the Graduate School of Tropical Agri­
culture with the permission of the instructor. Hours and credits to be
arranged.

303 Plant Pathology Seminar Linford

The plan of this seminar is to review the present knowledge in se­
lected fields of plant pathology. The general subject proposed for 1933-
1934 is "Influence of Environment and Nutrition Upon the Development
of Plant Disease." First semester, 1 credit. Tuesday, 4 P. M.

304 Research in Plant Pathology Linford

Open to qualified students in the Graduate School of Tropical Agri­
culture with the permission of the instructor. Hours and credits to be
arranged.

* The attention of students is called to courses listed in the regular University
Catalogue which carry credits, including the following seminars:

210 Botany. Botanical Seminar Botany Staff
210 Zoology. Zoological Seminar Zoology Staff

1 credit each semester.
CHEMISTRY

310 Biochemical Seminar

L. N. 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. 1 credit. Hours to be arranged.

ENTOMOLOGY

302 Research in Entomology

Chapman, Carter

Open to qualified students in the Graduate School of Tropical Agriculture with the permission of the instructor. Hours and credits to be arranged.

350 Insect Ecology

Chapman

A review of autecology 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. First semester, 2 credits. Hours to be arranged.

355 A Review of the Role of Insects in the Transmission of Plant Diseases

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. First semester, 1 credit. Second semester, credits variable. Hours to be arranged.

GENETICS

300 Seminar in Genetics

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. Throughout the year, 2 credits each semester. Hours to be arranged.

302 Research in Genetics

Collins

Open to qualified students in the Graduate School of Tropical Agriculture with the permission of the instructor. Hours and credits to be arranged.

SOIL SCIENCE

300 Nutrient Availability in Soils

Magistad

This course will be conducted as a seminar, and will deal with current literature and experiments in progress. During the first semester, base exchange, nitrogen and potash availability, and methods of determining availability will be considered. First and second semesters, 1 credit each. Hours to be arranged.
Courses of Instruction

350 The Nitrogen Cycle

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 microbiological and chemical standpoints. Practical aspects of these phases are to be stressed especially. Special attention will be paid to the current literature. First semester, 1 credit. (Offered in 1933-1934; not offered in 1934-1935.)

351 Soil Physics and the Relation of Soil Moisture to Plant Growth

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. Second semester, 1 credit. Hours to be arranged. (Offered in 1933-1934; not offered in 1934-1935.)

352 Bacterial Decomposition

A seminar reviewing the literature on bacterial decomposition of nitrogenous and cellulosic 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. First semester, 1 credit. (Will be offered first in 1934-1935.)

302 Research in Soil Bacteriology, Soil Chemistry or Soil Physics

Open to qualified students in the Graduate School of Tropical Agriculture with the permission of the instructor. Hours and credits to be arranged.
DEGREES CONFERRED
JUNE, 1932

MASTER OF SCIENCE
In Nutrition
Marjorie Greig Abel, B.S., University of Hawaii, 1924
Thesis: “An Investigation of the Vitamin Content of Chinese Cabbage (Brassica Chinensis), and the Effect of Salting, and Pickling in Salt-Rice Polishing Paste on the Vitamin Content.”

In Chemistry
Wesley Haskins Hammond, B.A., Willamette University, 1918

MASTER OF ARTS
Mathilde Souza Alameda, B.A., University of Hawaii, 1929

Julia Woolfolk Beck, B.A., University of Montana, 1928

Elmer Allen Brown, A.B., McPherson College, 1923

Tin Yuke Char, B.A., Yenching University, 1928
Thesis: “Legal Restriction on Chinese in English-Speaking Countries of the Pacific.”

Arnold DeForest Collier, B.S., Oregon State College, 1925

*Effie May Cummings, B.A., University of California, 1921

Winona Elizabeth Jones, B.A., University of California, 1924
Thesis: “A Socialized Physical Education Program in a Private Elementary School.”

Margaret Mildred Lam, B.A., University of Hawaii, 1929

Margaret Olga Lecker, B.A., University of Hawaii, 1930
Thesis: “A Study of the Results of Psychological Examinations at the University of Hawaii.”

* Granted degree October, 1932.
Helen Bosson MacNeil, B.A., Boston University, 1912
Thesis: "High School Grades as a Criterion of College Aptitude."

Virginia McBride, B.A., University of Utah, 1925
Thesis: "Reading Ability as a Criterion of College Aptitude at the University of Hawaii."

George Allen Odgers, B.A., University of Nebraska, 1916
Thesis: "Educational Legislation in Hawaii, 1845-1892."

Frances Marie Otremba, B.S., Teachers College, Columbia University, 1929

*Velma Shartle Powell, B.L., University of California, 1909
Thesis: "Creative Dramatization in the New Education."

*Roy Lee Roberts, B.A., University of Arizona, 1926
Thesis: "A Comparative Study of Intelligence Quotients and Teachers' Marks of Athletes and Non-Athletes at Hilo High School."

D. Ransom Sherretz, B.Ed., Southern Illinois Teachers College, 1926
Thesis: "Education and Summer Y.M.C.A. Camps."

Franklyn Edwin Skinner, B.A., University of Hawaii, 1929
Thesis: "Some Aims and Accomplishments of the Parent-Teacher Movement in the United States."

†Ivah Irene Wilson, B.S., Northeast Missouri State Teachers College, 1927

BACHELOR OF SCIENCE

In Agriculture

Akana, David Arthur
Chun, David Bung
Ho, Tai Loy
Horii, Tamotsu
Kaneshiro, Jushin
Kimoto, Lawrence Heichi
Kong, Albert Ten Sun
Nishimura, Henry Matsuhei
Ohara, Kenneth Kenji
Omura, Yoshio
Tom, Kwock Wo
Tonaki, Genbi
Toyama, Isao
Whang, Won Yil

In Civil Engineering

Ching, Quan Yuen
Chun, Cho Hen
Lee, Robert L. B.
Leong, Walsh Sam

* Granted degree October, 1932.
† Granted degree March, 1932.
University of Hawaii

Miyake, James Hachiro
Nakamoto, Katsumi
Shimada, Louis Nigilei
Tyau, Yuen Fong (with Honors)

In General Science
†Fukuda, Isaac Isao
Holmes, Merle C.
†Itagaki, Shigeru
*Lee, Edmund
†Leong, Elizabeth Yuen Tsin
Loveland, Robert Murray
Mirikitani, Carl Mamoru (with Honors)
Ohtani, Ralph Noboru
*Omori, Ethel
Sakai, Toru
Westgate, Mark Wheeler (with Honors)
Wong, Robert Tuck
Young, Hong Yip

In Home Economics
Ching, Bessie Yuk Kyau
Clark, Dorrit Packard
Denison, Marion Norwood
Glenn, Jana (with Honors)
Kauinana, Mary Keahi
Laird, Alyce Christine
Lum-King, Bernice
*Machida, Moto
Obayashi, Evelyn
Saiki, Leinani Katsuko
Samson, Grace Dorothy (with Honors)
Tokimasa, Edith Chiyo
Wong, Marjorie Yuk Lin

In Sugar Technology
Paguia, Ramon Lagman

BACHELOR OF ARTS
Akahoshi, Fred Hideo
Bell, Janet Elizabeth
†Bickerton, Agnes Cassidy
Bruhn, Kanaena
Bunch, Douglass Julian
Burkland, Reynolds Gay
*Butt, Beatrice Newport
*Cameron, Elizabeth Sullivan
†Chan, Helen Mechlin
*Chang, Juanita Hoon Quon
Chang, Rose Kam Mee
Char, Alyce Chang-Tung
Ching, Myra Mewhan Lee
Ching Shai, Theodora

* Granted degree October, 1932.
† Granted degree March, 1932.
Degrees Conferred

Chun, Edwin Dai Eat
*Chun, Eleanor Yuk Lau
†Chun, Kong Fat
Chun, Myrtle Moy
*Chung, Mary Apo
†Clarke, Jane Comstock (with Honors)
*Coile, Thelma Christine
Corbett, Allan Louis
Crawford, Catherine Bradshaw
Crosby, Leonard Wood
Crowell, Lily Luka
Deinert, Hilda Kalauoliwa
Dudoit, Harriet Fountain
*Edwards, Louise Mason
Fujikawa, Asako
Fujiwara, Kenji
Funada, Harold Kenichi
Goo, Madeline Yin Lin
Goto, Yoshiro
Greig, Robert Gregor
Hamamoto, Masato
Harvey, Elizabeth
Hashimoto, Edward Yoshiharu
Hayashi, Shigeki
Hayselden, Howard Kupakee
†Higa, Tsuru
Hitchcock, John Maynard
Hockley, Margaret Wanless
†Hohu, Martha Poepoe
Holt, Jeanette Kahaunani
Hong, Mary Suke
Hosoi, Yuri
*Huckestein, Inez Louise Reid
*Huntimer, Lillian Rae
Hurd, Dorothy Frances
Ichinose, Eugene T.
Johnson, Florence Booco
†Kaonohi, Irene Kamalulani (deceased)
*Katsuki, Yasuo
Kameheiwa, Solomon Halaole
Kelley, Antoinette
Kelly, Naomi Beck
Kimura, Robert Takenori
King, Eva Ninja
King, John Page
Kinsley, Jean
†Koike, Mollie Toshie
†Kong, En Moi
Kuramoto, Rinkoro
†LeClair, Eva (with Honors)
†Leithhead, Helen Scott
Leong, James Yen Tong (with Honors)
Leong, Phoebe Meng Hsuan
Leong, Rosalie Kui Yin
Leung, Wing Iu
Li, Sadie Wing Oi
Maeno, Charles Shigeo

* Granted degree October, 1932.
† Granted degree March, 1932.
Marshman, Eleanor Mihata
Martinson, Martin
Matsuki, Shizuko
†Mau, Kim Oi
McKenney, Donald Mosher
McKenney, Marian Louise
McLean, Ruth
Mecredy, Ethel Frances
Medoff, Isadore Irvine
Miller, Gordon Pomeroy
Minami, Mondo Kampei
Mirikitani, Carla Harumi
Mirikitani, Clifford Kunio (with Honors)
Mitsuka, Roy Manabu
Miyoshi, Isamu
†Monden, Tamao (with Honors)
Moodie, Mary
Moodie, Ruth
Morimoto, Florence Fujiko
Morinaga, Kenneth Hakuro
†Moss, Ruth Lola
Mossman, Hortense Kaliokalani
Muroda, Betty Chieko
Nagano, Masaru
†Nakagawa, Shizuko (with Honors)
Nakai, Harlan Masuo
†Nakamura, Yukino
Nobriga, Theodore Frederick
Oka, Richard Takiya
Okimura, Harumi
Ome, Moses
Pang, David Lee
Perry, George August
*Phillips, Katherine Louise
†Pratt, Kenneth James
Quon, Elizabeth Kam Chun
†Robinson, Wilhelmina Thelma
Sam, Nora Yukin
Sato, Robert Mitsuyoshi
Schroeder, Bernece Thois
Schwallie, Hortense Marie
Sekido, Ronald Toshio
†Shimada, Teruko (with Honors)
Smith, Louise
Sproat, Mary (with Honors)
†Stryker, Juanita Sudduth
Suzuki, Asako Kutsunai
Tahara, Alice Shizuko (with Honors)
Takafuji, Hatsuyo Dorothy
Takamura, Tsuyoshi
Takeda, Doro
Takeshima, Kasumi (with Honors)
Tenn, Ida Fung En
Thomas, Frances
Tonai, Marvin Saburo
Turner, Elizabeth Laura
Uemura, Hazel Mitsuko

* Granted degree October, 1932.
† Granted degree March, 1932.
Degrees Conferred

Van Wyck, Louise Williams
*Walker, Myrtle Astleford
Weber, Frederick
†Widdifield, Ethel Estelle
Wong, Ambrose Man Chong (with Honors)
Wong, Hong Sin
Wong, John Yuk Tung
Wong, Yeu Wah
Wright, Jay Stowell
Wright, Mae Hanna
Yap, Hannah Lu Jin
Young, James Hing Cham
Young, Kenneth Ellis
Young, Wah Chock
Yuen, Kam In
Zen, Shay Yung Hilda (with Honors)

BACHELOR OF EDUCATION

Arizumi, Sadako (with Honors)
†Beier, Alice Amelia
Black, Mary Helen
Carey, Loraine Mary
*Ching, Anna Tagawa
Ching, Theresa Kam Moon
*De Mello, Lucille Paul
Goodness, Rebecca Sherwood
*Han, Anchin
*Ho, Elinor Kyau
Hultquist, Mabel Hall
*Kinoshita, Vaughn Masato
Kum, Herbert Tong Yau
Lee, Elizabeth Sin Kiau
Lum, Henry Thomas
Makino, Allyn Kaneyo
Marques, Josephine Elizabeth
*Miyamoto, Masaichi
*Patrick, Edith S.
Ross, Ruth Davis
Simpson, Opal Colbert
*Sutherland, Mark Monroe
*Tam, Lin Ung
Thompson, Carrie Alice
Tyau, Alexander Chow
Wong, James Heen
*Wong, Margaret See Sum
*Young, Mildred Llewellyn
*Zane, Margaret Mun Tai

* Granted degree October, 1932.
† Granted degree March, 1932.
CERTIFICATES AWARDED

FIVE-YEAR

Akaka, Annie Kahikinaokala
Akwai, Clarence Abram
Char, Irene K. N.
Chun, Phoebe Y. P.
Fujinaka, Evelyn W.
Ing, Helen Yuk Fung Heu
Ing, Lucille Yick
Lee, Daisy Kui Tem
Lee, James Kon Fah
Ling, Edith
Martin, Helen I.
Moo, Lydia Yun Fung
Morimoto, Shizuko
Namahoe, Dorothy Ohiaokalani
Nerio, Mildred Matsuno
Ozawa, Dorothy Taka
Shimodao, Hanaye
Tyau, Albert
Yap, Florence Yuk Tai

PUBLIC HEALTH NURSING

Chalmers, Annié Davidson
Chillingworth, Elsa Kincaid
Clarke, Alleyne
Ikuwa, Josephine Ulalia
McFadden, Elsa G.
Puth, Mabelle Julia
Rosemond, Vera Lee Rudkin
Witter, Norma
HOLDERS OF UNIVERSITY SCHOLARSHIPS
1932-1933

Associated Women Students

Chinese Community

Chinese Students' Alliance

Daughters of American Revolution

Hilo Chamber of Commerce

Hui Pookela

Ke Anuenue

Leora Parmelee Dean

Mary Dillingham Frear

Maui Hawaiian Woman's Club

Phi Beta Kappa

Prince Fushimi

Ruth C. Scudder

Stephen Spaulding

Wakaba Kai

Yang Chung Hui

{ Thelma Sproat
{ Ah Jook Leong
{ Edwin Y. Chun
{ Kum Pui Lai
{ Phoebe Goo
{ Maude Ho
{ Dan Wong
{ Eleanor S. M. Chun
{ Richard Tam,
  (1st semester)
{ Charles Kwock
  (1st semester)
{ Patricia McMahon
{ Gertrude Spillner
{ Albert Nahale-a
{ Winifred Piltz
{ Rose Simerson
{ Muriel Mackenzie
{ Kenneth Conningham
{ Beatrice Hussey
{ Vernon Harry
{ H. W. Kurashige
{ Misao Ujiki
{ Jean Nakano
{ Susumi Matoi
{ Toki Nakasone
{ Doris Sugimura
  (1st semester)
{ Florence Kuwamoto
  (1st semester)
{ Sakiko Okubo
{ Raymond Nikaido
{ Masako Kubota
{ Lo Yim Leong

143
HOLDERS OF SPECIAL SCHOLARSHIPS
1932-1933

Woman's Society, Central Union Church
| Mary Dillingham Frear
| Caroline S. Ross
| Maui Hawaiian Woman's Club and
William and Mary Chapter of D. A. R.
| Scholarship Interest Fund
| Japanese Women's University Club
| American Association of University Women
| Anonymous
| Jane Hemenway
| Hawaiian Girls' Club, Y. W. C. A.
| Charles R. Hemenway

{ May Nishimura
| Ah Jook Leong
| Fred Kruse
| Virginia Hammond
| Chidori Ogawa
| Vernon Harry
| Eleanor Liu
| Anthony Young
| Hazel Mirikitani
| Kinue Kadota
| Sakiko Okubo
| Eda Carlson
| Betty Muir
| Thelma Sproat
| Irmgard Farden
| Helen Hoshino
| Yealeme Kim
| Doris Sugimura
| Harriet Monden
| Rose Toomey
| Irmgard Farden
| Lucille Akaka
| Eva Ralston
| Francis Aiwohi
| George Indie
| William Among
| Ernest Moses

FELLOWS IN GRADUATE DEPARTMENTS

Constance E. Hartt, Post Doctorate Fellow,
Graduate School of Tropical Agriculture.
John Sydney Phillips, Research Fellow,
Graduate School of Tropical Agriculture.
Carl T. Schmidt, Research Fellow,
Graduate School of Tropical Agriculture.
Jalmer Halls, Teaching Fellow,
College of Arts and Sciences.
Spencer Tinker, Teaching Fellow,
College of Arts and Sciences.
F. Raymond Fosberg, Teaching Fellow,
College of Arts and Sciences.
REGISTER OF STUDENTS
1932-1933

GRADUATE DIVISION

Candidates for Degrees*

Beck, Pearl L., 602 S. Elvira Ave., Redondo Beach, Calif.; Beach Walk Inn
B.A., University of Hawaii, 1931
(Political Science and History)

Beutel, Mary G., 222 Beach Walk
B.A., University of Washington, 1930
(Sociology)

Bickerton, (Mrs.) Agnes C., 2844 Park St.
B.A., University of Hawaii, 1932
(Education and English)

Black, Mary Helen, 404 Wailuku Ave., Hilo, Hawaii; Brookland Hotel, Honolulu
B.Ed., University of Hawaii, 1932
(Education and Psychology)

Blanchard, Elizabeth E., Port Orchard, Wash.; 286 Beach Walk
B.A., University of Washington, 1923
(English)

Brodie, Hugh W., 1619 Dole St.
B.S., University of Hawaii, 1927
(Plant Physiology)

Carden, (Mrs.) Florence C., 2701 Aolani St.
B.S., University of California, 1911
(Education)

Cariaga, Rosamond R., 948 Winant St.
B.A., Syracuse University, 1930
(Education and Sociology)

Ching, Alice Y. W., 713 Panui St.
B.A., University of Hawaii, 1933
(Social Science)

Chinn, Ruth H., 3616 Nuuanu St.
B.A., University of Hawaii, 1931
(Education)

Chong, Vera J., 1306 Young St.
B.A., University of Hawaii, 1932
(Sociology)

Chun, Dai Ho, 1424 10th Ave.
B.A., University of Hawaii, 1930
(Economics and Education)

Chun, Eleanor Y. L., 1031 Noble Lane
B.A., University of Hawaii, 1932
(Education)

Clarke, (Mrs.) Jane C., 2151 Mohala Way
B.A., University of Hawaii, 1932
(English)

Corn, Anna Karrer, Fort de Russy, Honolulu
B.A., University of Washington, 1911
(Education and Psychology)

* Including those who have passed preliminary examination for definite acceptance to candidacy and those who are tentatively accepted to candidacy pending examination.
<table>
<thead>
<tr>
<th>Name</th>
<th>Occupation</th>
<th>Address</th>
<th>Degree</th>
<th>University</th>
<th>Year</th>
<th>Field of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cummins, (Mrs.) Helene B.</td>
<td>Care of Alexander &amp; Baldwin, Ltd.</td>
<td>B.A., University of Hawaii, 1930</td>
<td>(Education)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>De Rocker, Medard O.</td>
<td></td>
<td>1437 38th St., Rock Island, Ill.; 1666 Liholiho St.</td>
<td>B.S., Bradley Polytechnic Institute, 1931</td>
<td>(Education)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Donaghho, (Mrs.) Lila V.</td>
<td></td>
<td>961 Alewa Dr.</td>
<td>B.S., University of Hawaii, 1929</td>
<td>(Education)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eguchi, George M.</td>
<td></td>
<td>460 Kuakini St.</td>
<td>B.S., University of Hawaii, 1929</td>
<td>(Chemistry)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eriksen, (Mrs.) Edith M.</td>
<td></td>
<td>2470 Koa Ave.</td>
<td>B.A., University of Hawaii, 1930</td>
<td>(Education)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Falk, Signi L.</td>
<td></td>
<td>Mount Vernon, Iowa; Mid-Pacific Institute</td>
<td>B.A., Cornell College, 1929</td>
<td>(Education and English)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Farden, Carl A.</td>
<td></td>
<td>2306 Marquis St.</td>
<td>B.S., University of Hawaii, 1925</td>
<td>(Soil Science)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fosberg, F. Raymond</td>
<td></td>
<td>Rt. 2, Box 36, Turloch, Calif.; 2365 Oahu Ave.</td>
<td>B.A., Pomona College, 1930</td>
<td>(Botany)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fraser, George P.</td>
<td></td>
<td>Pleasanton Hotel</td>
<td>B.A., Virginia Military Institute, 1929</td>
<td>(English)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gallagher, Lawrance P.</td>
<td></td>
<td>505 N. Jackson St., Glendale, Calif.; Brookland Hotel</td>
<td>B.S., University of Southern California, 193</td>
<td>(Sugar Technology)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gantt, (Mrs.) Beth King</td>
<td></td>
<td>Box 2259, Honolulu</td>
<td>B.A., Doane College, 1919</td>
<td>(Education)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Goo, Phoebe</td>
<td></td>
<td>1092 Beretania St.</td>
<td>B.A., University of Hawaii, 1933</td>
<td>(Social Science)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gordon, Walton M.</td>
<td></td>
<td>3405 Kahawalu Dr.</td>
<td>B.A., Park College, 1925</td>
<td>(Education)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Halls, Jalmer</td>
<td></td>
<td>2824 W. 59th St. Seattle, Wash.; 2327 Liloa Rise</td>
<td>B.A., University of Washington, 1932</td>
<td>(Political Science)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harada, Koichi G.</td>
<td></td>
<td>1252 Palolo Ave.</td>
<td>B.A., University of Hawaii, 1928</td>
<td>(Education and Psychology)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hatch, Grenville</td>
<td></td>
<td>2870 Park Rd.</td>
<td>B.A., University of Hawaii, 1929</td>
<td>(History)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hayashida, Akiyoshi</td>
<td></td>
<td>1732 Gulick Ave.</td>
<td>B.A., University of Hawaii, 1928</td>
<td>(Education)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hendry, (Mrs.) Eva</td>
<td></td>
<td>3015 Kalakaua Ave.</td>
<td>B.A., University of Hawaii, 1927</td>
<td>(Education)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Higgins, Marion</td>
<td></td>
<td>1952 Makiki Heights Rd.</td>
<td>B.A., Mills College, 1922</td>
<td>(Education)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Hill, Jo Elizabeth, Washington Jr. High School
B.A., Abilene Christian College, 1921
(English)

Hockley, Margaret W., 2144 Lanihuli Dr.
B.A., University of Hawaii, 1932
(Education)

Holmer, Earl C., Roosevelt School
B.Ed., River Falls Wisconsin State Teachers College, 1930
(Education)

Holmer, (Mrs.) Esther Roberts, 3139 Huelani Drive
B.A., Western State College of Colorado, 1927
(Education)

Hornung, Cenie S., 626 Maui St.
B.A., University of Hawaii, 1926
(Education)

Hosaka, Edward Y., Care of B. P. Bishop Museum
B.S., University of Hawaii, 1931
(Botany)

Irvine, (Mrs.) Murty Cathryn, 1633 Alewa Drive
B.Ed., University of Hawaii, 1933
(Education)

Ito, Kiyoshi, 2675 Nakookoo St.
B.S., University of Hawaii, 1929
(Entomology)

Johnson, (Mrs.) Florence B., 1646 Clark St.
B.A., University of Hawaii, 1932
(Education and English)

Kawasaki, Kimiko P., Kealakekua, Hawaii; 285 N. Kukui St.
B.A., University of Hawaii, 1928
(Education)

Kelley, Antoinette, 2373 Ala Wai Blvd.
B.A., University of Hawaii, 1925
(History and Political Science)

King, Myrtle M., Waialua, Oahu
B.A., Goucher College, 1920
(Education)

Kono, Ayako, P. O. Box 144, Hilo, Hawaii; 131 Boyd Lane
B.A., University of Hawaii, 1925
(Education)

Kozel, John C., 1104 Keeaumoku St.
B.A., Pacific Union College, 1932
(Chemistry)

Lackrie-Lund, (Mrs.) Ethel E., 4682-A Kahala Ave.
B.S., University of Minnesota, 1930
(Education)

Lee, (Mrs.) Rosalie L., 3642 McCorriston St.
B.A., University of Hawaii, 1932
(Political Science)

Leong, Phoebe M. H., 2 Mei Cha Hutung, Peiping, China; 1020 Isenberg Rd.
B.A., University of Hawaii, 1932
(Oriental Studies)

Ligda, Victor, 1919 Young St.
B.S., University of California, 1904
(History)

Loveland, Robert M., 1125 8th Ave.
B.S., University of Hawaii, 1932
(Chemistry)
Lucas, Meda F., 1805 Makiki St.
B.A., University of Kansas, 1914
(English)

Luis, John C., 833 17th Ave.
B.A., Colorado State Teachers College, 1930
(Education)

Lund, August S., 4682-A Kahala Ave.
B.S., University of Minnesota, 1928
(Education and Economics)

Madison, Ray, Nuuanu and Judd STs.
B.S., Whitman College, 1926
(Education)

Maneki, Mitsugi, Kaumana, Hilo, Hawaii; Y. M. B. A., Fort St.
B.S., University of Hawaii, 1929
(Agriculture)

Marlow, Ralph H., Brookland Hotel
B.S., Rollins College, 1928
(Entomology)

Maxon, Yale C., Rt. 1, Box 621, Campbell, Calif.; Punahou School
B.A., Stanford University, 1928
(International Relations)

McPherren, Berenice M., 4619 2nd Ave. N. E., Seattle, Wash.; 2320
University Ave.
B.B.A., University of Washington, 1929
(Psychology)

McQuerrey, Norton B., 1720 Poki St.
B.S., University of Illinois, 1931
(Education)

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B.A., University of Hawaii, 1932
(Psychology)

Mitchell, Donald D., Kamehameha Schools
B.A., Phillips University, 1928
(Education)

Moo, Eleanor Y. N., 1040 Sixth Ave.
B.A., University of Hawaii, 1933
(Sociology)

Moo, Julius Patton, Box 473, Black Mountain, N. C.; 50th Squadron.
B.A., University of Oregon, 1916
(Education and Political Science)

Odo'ln, Marielouise Abel, 2107 Lanihuli Drive
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B.S., University of Southern California, 1929
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(Education and Political Science)

Ogura, Shiku I., 3450 Paalea St.
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O'Neal, James Williams, 516 S. Pine, Cameron, Mo.; 2036 McKinley St.
B.S., in Ed., Missouri University, 1927
(Education)

Osumi, Paul S., Box 788, Waipahu, Oahu; Box 150, Honolulu
B.A., University of Hawaii, 1930
(Sociology)

Peairs, Edna Inez, 301 So. 59th, Tacoma, Wash.; 2262 Kalia Road
B.A., State College of Washington, 1919
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Prescott, Robert, 1821 Keeaumoku St.
B.A., Washington State College, 1925
(Education)

Remick, Grace J., 2452-A Kuhio Ave.
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(Education)

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B.A., University of Oregon, 1916
(Psychology)

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(Sociology)

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B.A., University of Hawaii, 1927
(Education)

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B.Ed., University of Hawaii, 1932
(Political Science)

Sadayasu, Chiyoko, Kealakekua, Kona, Hawaii; Kealakai and Keola Sts.
B.S., University of Hawaii, 1929
(Education)

Simonson, J. Alfred, 1409 Makiki St.
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(History and Education)

Smith, Alice W., 70 Judd St.
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Smith, (Mrs.) Clara I., 3753 Sierra Dr.
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B.S., University of Hawaii, 1927
(Zoology)

Sutherland, Mark M., Iolani School
B.Ed., University of Hawaii, 1932
(Education)

Tait, Walter J., 101 S. Harbor Blvd., San Pedro, Calif.; Seamen's Institute
B.A., University of California at Los Angeles, 1931
(Economics)

Tajima, Paul J., 2631 Nuuanu Ave.
B.D., Seabury Divinity School, 1932
(Oriental Studies)

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B.A., University of Hawaii, 1933
(Bacteriology)

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B.A., Whitman College, 1915
(English)
Tinker, Spencer, 4710 9th Ave. N. E., Seattle, Wash.; 2327 Liloa Rise  
B.S., University of Washington, 1931  
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Chester, George A., c/o Adjutant General, U. S. Army, Washington, D. C.; Fort Shafter
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Fraser, Percy W., Pleasanton Hotel
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B.A., University of Hawaii
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B.L., University of California
Hasegawa, Yoshio, Hanalei, Kauai; 1132 2nd Ave.
B.S., University of Hawaii
Hayes, Gordon B., 1921 Komaia
B.A., Stanford University
Hfelle, (Mrs.) Laurel C., 1814 Poki St.
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Johnson, Elizabeth B., Richmond, Texas; Pleasanton Hotel
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Johnson, M. Louise, St. Charles, Minn.; 3633 Sierra Dr.
B.A., Carleton College
Jones, Winona, 2863 Pacific Heights Road
B.A., University of California; M.A., University of Hawaii
Kamm, Mary, 192 S. School St.
M.A., Boston University
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Karns, Roger T., 375 S. Mentor Ave., Pasadena, Calif.; Mid-Pacific Institute
B.A., Pomona College
Keck, (Mrs.) Marie G., 1002-A Wilder Ave.
B.A., Washburn College
Kellogg, Eleanor A., Ewa, Oahu
B.A., University of Hawaii
King, John P., Fort Sill, Okla.; c/o Honolulu Police Station
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Kulzer, Irene L., Valley, Wash.; 2238-A Kalia Rd.
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Lappen, Charles, 936 Ainslie, Chicago, Ill.; c/o Advertiser Publishing Co.
B.S., Northwestern University
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M.A., University of Hawaii
Lee, Kam Tai, 777-H North School St.
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Larrabee, Louise M., 1061 Young St.
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Leiter, Russell G., 2721 East Manoa Rd.
M.A., University of Southern California
Lohr, Zoe, 723 17th Ave.
B.Ph.Ed., American College of Physical Education
Louis, Berthie, 1060 Koko Head Ave.
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Louis, Rose S. Y., 1060 Koko Head Ave.
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B.A., Smith College
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McGrew, Merlin, 1441 Emma St.
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B.Art.Ed., California School of Arts and Crafts
McNeeley, Bertha B., 2418 Prince Edward St.
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McTaggart, Earl L., 1730 Clark St.
B.A., University of Hawaii
Merriam, (Mrs.) Marian, 2139 Mohala Way
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Mitchell, (Mrs.) Dorothy H., 57 Logan Ave., Medford, Mass.; Fort Shafter, T. H.
B.A., Jackson College
Moore, Ida F., 2102 Sargeant Ave., Joplin, Mo.; Queen's Hospital
B.A., University of Kansas
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Murakami, Wallace I., Lahaina, Maui; 1710 Fort St.
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Nelson, John B., 2253 Kalia Road
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O'Dea, Katherine T., 2711 Piedmont Ave., Berkeley, Calif.; 276 Beach Walk
   B.S., University of California
Osmundson, Hazel C., Leahi Home
   B.S., Iowa State College
Peters, Elsa H., 653 Wyllie St.
   B.A., Colorado State Teachers College
Rhea, Theodore R., Beach Walk Inn
   B.A., Denver University; C.P.H., Yale
Reinecke, John E., Honokaa, Hawaii
   B.S., Kansas State Teachers College
Richmond, Ethal B., 1852 Leighton Ave., Los Angeles, Cal.; 166-A Beach Walk
   B.A., University of Idaho; M.A., University of Hawaii
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Schonhard, Helen, Brookland Hotel
   B.A., University of Hawaii
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Silva, David, 1224 Lisbon St.
   B.A., in Ed., University of Montana
Silverman, Arthur, Punahou Schools
   B.A., University of California
Small, James F., 2438 Pacific Heights Rd.
   B.S., University of California
Smith, (Mrs.) Clare S., Waipahu, Oahu
   B.A., Park College
Southwick, (Mrs.) Hazel F., Papaaloa, Hawaii; 2524 East Manoa Road
   B.S., Utah Agric. College
Spencer, Robert R., 2212 McKinley St.
   B.A., University of Hawaii
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   B.A., Rissho University
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Vanek, Milo, San Diego, Calif.; Care of Jack Slade, Punahou School
   B.S., Coe College
Vogel, Eleanor N., 947 Prospect St.
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Wilkie, Harry, Dept. Signal Office, Fort Shafter
   B.S., Montana State College
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   B.S., Harvard University
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Register of Students

Yates, (Mrs.) Genevieve, McKinley High School
   B.A., University of Illinois
Yap, Benjamin T., 3465 Waialae Ave.
   B.A., University of Kansas
Young, (Mrs.) Queen, Ewa, Oahu
   B.S., Drake University
Zink, Leland
   B.A., University of Hawaii

GRADUATE SCHOOL OF TROPICAL AGRICULTURE

Bean, Ross S., 1716 Hunnewell St.
   B.S., Brigham Young University, 1921
       (Plant Physiology)
Das, Upendra K., H. S. P. A. Experiment Station
   B.S., University of Hawaii, 1927; M.S., University of Hawaii, 1930
       (Agriculture)
Dean, Lyman A., 2225 Hyde St.
   B.S., University of Hawaii, 1931; M.S., University of Wisconsin, 1932
       (Soil Science)
Keck, Chester B., 1002-A Wilder Ave.
   B.S., Kansas State College; M.S., Kansas State College, 1928
       (Entomology)
McBride, Orville C., 2108 Haena Dr.
   B.S., University of Missouri, 1921; M.A., University of Missouri, 1922
       (Entomology)
Phillips, John S., 2 Royal Geographical Society, Kensington Gore, London,
   c/o A. H. P. C. Experiment Station
   B.A., Oxford University, 1926; M.A., Oxford University, 1930;
   B.Sc., Oxford University, 1931
       (Entomology)
Schmidt, Carl T., 2300 Logan Ave. N., Minneapolis, Minn.; A. H. P. C.
   Experiment Station
   B.A., University of Minnesota, 1929
       (Entomology)

COLLEGE OF ARTS AND SCIENCES

Note:—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, Kazuhisa, 47, 15 (I Pre-Legal) Pepeekeo, Hawaii; 1710 Fort St.
Adams, Richard E., 82, 46 (II Pre-Legal) 1940 Bingham
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   Hawaii; University of Hawaii
Akeaka, Florence, 164, 84 (III Social Sciences) Hana, Maui; Women's
   Dormitory
Alexander, Helen F., 38, 16 (I Lang., Lit. & Art) 419 Wyllie St.
Among, William G., 237, 114½ (IV Econ. & Bus.) Kai Malino, S. Kona,
   Hawaii; 3755 Waialae Ave.
Andersen, Dorothy M., (I Econ. & Bus.) Wahiawa, Oahu
Arita, Mitsuo, 100, 52 (II Econ. & Bus.) Hakalau, Hawaii; 1018 McCully
Arnold, Kathleen L., 164, 80 (III Econ. & Bus.) 1006 11th Ave.  
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Dodo, Richard M., 198, 88 (III Econ. & Bus.) 115 Pono Hawaii St., Hilo, Hawaii; 1018 McCully St.
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Gedge, George D., 31, 14 (I Econ. & Bus.) 28 Wyllie St.
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Soga, (Mrs.) Miya Harada, 302, 112 (IV Econ. & Bus.) 1518 Spreckles St.
Song, Arthur P., 192, 84½ (2) (III Social Sciences) 183 S. School St.
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Takimoto, Keichi, 60, 37 (II Pre-Legal) 1636 Clarke St.
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Takahashi, Sui, 132, 52 (II Econ. & Bus.) 3428 Edna St.
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<thead>
<tr>
<th>Name</th>
<th>Age</th>
<th>Box Number</th>
<th>Area</th>
<th>Address</th>
</tr>
</thead>
<tbody>
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<tr>
<td>Uchiumi, Tadami</td>
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<td>19</td>
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<tr>
<td>Uehara, John</td>
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<td>79</td>
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<tr>
<td>Van Brocklin, Vincent</td>
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<tr>
<td>Voorhees, Dorothy A.</td>
<td>14</td>
<td>794</td>
<td>I Lang., Lit. &amp; Art</td>
<td>2517 Upper Manoa Rd.</td>
</tr>
<tr>
<td>Waddups, Thomas M.</td>
<td>103</td>
<td>47</td>
<td>IV Pre-Legal</td>
<td>Box 47, Laie, Oahu; 2934 Loomis St.</td>
</tr>
<tr>
<td>Uchimura, Charles M.</td>
<td>100</td>
<td>277</td>
<td>II Social Sciences</td>
<td>Box 277, Hilo, Hawaii; 421 N. Vineyard St.</td>
</tr>
<tr>
<td>Uchimura, Sumitaka</td>
<td>143</td>
<td>347</td>
<td>II Social Sciences</td>
<td>Box 347, Kealakekua, Kona, Hawaii; 1815 S. King St.</td>
</tr>
<tr>
<td>Uchiumi, Tadami</td>
<td>18</td>
<td>19</td>
<td>I Econ. &amp; Bus.</td>
<td>1530-C Lopez Lane</td>
</tr>
<tr>
<td>Uehara, John</td>
<td>30</td>
<td>79</td>
<td>I Social Sciences</td>
<td>971 Kinoole St., Hilo, Hawaii; 1197 River St.</td>
</tr>
<tr>
<td>Van Brocklin, Vincent</td>
<td>60</td>
<td>4079</td>
<td>I Econ. &amp; Bus.</td>
<td>Box 4079, Black Point Rd.</td>
</tr>
<tr>
<td>Voorhees, Dorothy A.</td>
<td>14</td>
<td>794</td>
<td>I Lang., Lit. &amp; Art</td>
<td>2517 Upper Manoa Rd.</td>
</tr>
<tr>
<td>Waddups, Thomas M.</td>
<td>103</td>
<td>47</td>
<td>IV Pre-Legal</td>
<td>Box 47, Laie, Oahu; 2934 Loomis St.</td>
</tr>
</tbody>
</table>
Register of Students

Yee, Dorothea S. L., 83, 49 (II Social Sciences) Box 59, Kohala, Hawaii; 844 11th Ave.
Yee, Lizzie T. T., 233, 113 (6) (IV Social Sciences) Kohala, Hawaii; 1238 Lunahilo
Yee, Violet M., 286½, 113½ (IV Lang., Lit. & Art) 1401 Kewalo St.
Yempuku, Ralph T., 49, 17 (I Econ. & Bus.) Kahuku, Oahu; 1757 Fort St.
Yoda, Haruko L., 181, 80 (III Lang., Lit. & Art) Box 1377, Honolulu
Yokoi, Grace K., 114, 48 (II Social Sciences) 2605 S. King St.
Yokota, Yasuo, 115, 51 (I) (II Econ. & Bus.) 614 McNeill St.
Young, Glenda A., 17, 13 (30) (II Social Sciences) 3030 Tremont St., Berkeley, Calif.; Atherton House
Young, Graydon, 84, 42½ (II Econ. & Bus.) 925 Hookipa Way
Young, Marjorie M., 50, 16 (30) (II Lang., Lit. & Art) 945 Alewa Dr.
Zen, Harry S. K., 53, 17 (I Econ. & Bus.) corner Piikoi and King Sts.

COLLEGE OF APPLIED SCIENCE

Note:—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, Shogo, 42, 17½ (I Agric.) Box 675, Hilo, Hawaii; Mid-Pacific Institute
Abe, Yaso, 315, 129 (IV Voc. Educ., Agric.) Box 18, Holualoa, Hawaii; c/o Moana Hotel
Achilles, Carolyn B., 98, 49 (II Home Econ.) Kohala, Hawaii; Women's Dormitory
Aihara, Kenji, 169½, 89 (III Civ. Eng.) 66 Pinkham St.
Akamine, Ernest K., 113, 54 (II Agric.) Camp No. 4, Waiakua, Hilo, Hawaii; 2207 Kamehameha IVth Rd.
Akamine, Tei Suzuki, 92, 50 (II Agric.) Kekaha, Kauai; 1839 Anapuni St.
Akau, George H., 108, 51 (II Sug. Tech.) No. 5 Kukuau St., Hilo, Hawaii; 2757 Puuhonua St.
Akita, Hajime, 78, 54 (II Gen. Sci.) 1234 Nuuanu Ave.
Akita, Kazuyoshi, 18, 9 (I Agric.) 1428 Nuuanu St.
Anderson, John W., 40, 19 (III Sug. Tech.) Paauhau, Hawaii; Pleasanton Hotel
Apolonia, Francis E., 5, 2 (I Pre-Medical) 1821-B Liliha St.
Arioli, Mary G. 143, 61 (II Home Econ.) 310 N. School St.
Arledge, Arthur E., Jr., 42, 19 (I Civ. Eng.) 1325 Center St.
Atebara, Masato, 80, 31 (II Gen. Sci.) Box 87, Hilo, Hawaii; 2226 Hyde St. (Withdraw)
Au, Man Hing, 32, 16 (I Gen. Sci.) 60 Kukui Lane
Bains-Jordan, Nuanita D., 24, 13 (I Pre-Nursing) 934 17th Ave.
Baldwin, Wilfred J., 27, 15 (27) (II Sug. Tech.) Hamakuaapoko, Maui; Atherton House
Barrus, Nelson K., 22, 14 (I Sug. Tech.) Puunene, Maui; Atherton House
Bento, Charles P., 11, 7 (I Civ. Eng.) Wailuku, Maui; 1618 Poki St.
Berg, Karl H., 169, 53 (II Sug. Tech.) Waipahu, Oahu
Berry, Clara M., 239, 99 (44) (IV Voc. Educ., H. E.) Wheeler Field; Women's Dormitory
Bowman, Waldo, 110, 50 (II Civ. Eng.) 2723 Aolani Pl.
Brash, (Mrs.) Mae I., 102, 51 (II Home Econ.) 964 Ocean View
Bushnell, Oswald A., 272½, 88½ (III Gen. Sci.) 1441 Liholiho St.
Butchard, Charles, 28, 14 (I Sug. Tech.) Waialua, Oahu; Atherton House
Carlson, (Mrs.) Eda L., 226, 65 (II Home Econ.) Mid-Pacific Dormitory
Carmichael, Cecil S., 133, 53 (II Civ. Eng.) 234 Lewers Rd.
Castle, Northrup H., 112, 46 (22) (II Gen.-Sci.) 3089 Pacific Heights Rd.
Chandra, Kunwar Krishna, 131, 55 (35) (III Sug. Tech.) Pilibhit, U. P., India; Atherton House
Chang, Alfred H., 226, 122 (IV Pre-Medical) 1613 Houghtailing St.
Chang, Frances H., (I Home Econ.) Wai'meа, Kauai; Mid-Pacific Dormitory (Withdraw)
Chang, Hon Chong, 303, 122 (IV Pre-Medical) c/o Dr. S. Y. Chang, Lihue, Kauai; 1901 Coyne St.
Char, Ben K., 109, 57 (1) (II Pre-Medical) 1548 Young St.
Ching, Ah Fong, 155½, 88 (III Civ. Eng.) 2648 Kalahi St.
Ching, Ah Seong, 283, 126 (IV Agric.) 1033 Wolters Lane
Ching, Clarence M. S., 100, 53 (II Pre-Medical) 1675 Kamamalu Ave.
Ching, Edith N. L., 80, 42 (II Home Econ.) Lawai, Koloa, Kauai; 1521 Evelyn St.
Ching, Ernest F., 116, 57 (II Pre-Medical) 1675 Kamamalu Ave.
Chock, Herbert Y. C., 198½, 119 (IV Pre-Medical) 927 10th Ave.
Choy, Robert H. C., 183½, 81 (III Civ. Eng.) Punaluu, Oahu; 1928 Elu-wene St.
Chrones, James, 10, 5 (I Agric.) 814 Kinai St.
Chun, Edwin Y., 359, 126 (IV Agric.) 572-A South St.
Chun, Ethel W., 48, 19 (I Home Econ.) 1050 Beretania St.
Chun, Helen K. H., 222, 116 (III Home Econ.) 1130 Printers Lane
Cloves, George C., 29, 15 (I Gen. Sci.) Wahiawa, Oahu
Cockett, Patrick M., 103, 52 (II Pre-Medical) Wailuku, Maui; Fernandez St., Kalahi
Coleman, Mabel C., 51, 17 (I Pub. Health) 2319 Oahu Ave.
Conard, Charles A., 8, 9 (I Gen. Sci.) Navy Yard, Pearl Harbor
Crowell, Joseph A., 20, 14 (I Agric.) Waimea, Kauai; Atherton House
Cruikshank, David E., 29, 17 (I Sug. Tech.) Makaweli, Kauai; 2115 Armstrong St.
Davis, James H., Jr., (98) (III Sug. Tech.) 1548 Liholiho St. (Withdraw)
Dominis, John O., 157½, 84 (III Sug. Tech.) Pleasanton Hotel
Duker, Katherine L., 335, 120 (IV Gen. Sci.) 2115 Damon St.
Duncan, Harry F., Jr., 159½, 91 (III Agric.) Ewa, Oahu; 1546 Kewalo St.
Eguchi, Koichi, 91, 54 (II Agric.) 460 Kuakini St.
Farden, Irmgard, 253½, 126½ (IV Voc. Educ., H. E.) Lahaina, Maui; 1319 Emma St.
Finlayson, Robert H., 5, 2 (I Civ. Eng.) 4504 Kahala Ave.
Forbes, Geraldine L., 88, 44 (II Pre-Medical) 307 Iliahi St., Hilo, Hawaii; Women's Dormitory
Forbes, Mary N., 26, 15 (I Pre-Nursing) 4812 Kahala Ave.
Foster, Charles V., 89, 41 (II Civ. Eng.) Fort Kamehameha, T. H.
Fraser, Jack B., 19, 14 (I Agric.) 2611 Kaapu St.
Frasier, Harold V., 212½, 91 (III Civ. Eng.) 2002-C Hunnewell
Fruto, Lorenzo C., 96, 51 (35) (III Civ. Eng.) 86 Divisoria, Manila, P. I.; 1018 Kama Lane
Register of Students

Fujii, Hajime, 52, 27 (II Gen. Sci.) 1122 McCully St.
Fujii, Takeo, 243½, 124 (IV Pre-Medical) 544 Kalihi St.
Fujikawa, Samuel N., 121, 55 (II Pre-Medical) Box 25, Honoumau, S. Kona, Hawaii; 1137 Pua Lane
Fujio, Tadaichi, 104½, 56½ (II Gen. Sci.) Box 265, Pahoa, Puna, Hawaii; 1839 Anapuni St.
Fujita, Francis I., 344½, 137 (IV Civ. Eng.) 3347 Hayden St.
Fujikawa, Samuel N., 121, 55 (II Pre-Medical) Box 25, Honoumau, S. Kona, Hawaii; 1137 Pua Lane
Fujio, Tadaichi, 104½, 56½ (II Gen. Sci.) Box 265, Pahoa, Puna, Hawaii; 1839 Anapuni St.
Fujita, Francis I., 344½, 137 (IV Civ. Eng.) 3347 Hayden St.
Fujio, Tadaichi, 104½, 56½ (II Gen. Sci.) Box 265, Pahoa, Puna, Hawaii; 1839 Anapuni St.
Fujita, Francis I., 344½, 137 (IV Civ. Eng.) 3347 Hayden St.
Fujitani, Shiro, 15, 11 (I Agric.) 310 Kalihi St.
Fukuda, Fay F., 43, 19 (I Home Econ.) 1946 Pauoa Rd.
Fukunaga, Edward T., 268, 92 (III Gen. Sci.) c/o Manoa Japanese School
Fukushina, Tadashi, 145, 57 (II Agric.) Kamuela, Hawaii; 1815 S. King St.
Fukuyama, Hideo (1 Civ. Eng.) Wahiawa, Oahu; co Matsusaka Book Store, Beretania St. (Withdraw)
Furimidge, Mary Louise, 94, 45 (62) (III Home Econ.) 1003 3rd Ave.
Furukashi, Masao, 91, 44 (II Sug. Tech.) 1650 Olana Lane
Garcia, Anthony L., 23, 10 (I Civ. Eng.) Box 264, Wailuku, Maui; 1618 Poki St.
Gonsalves, Maihau, 21, 13 (I Agric.) 3229 Hoolulu St.
Goo, John, 10, 9 (I Agric.) 1800-C Mamane Lane
Gorostez, Ludovina S., 21, 12 (I Home Econ.) 728 Kalihi St.
Goto, Asakuma, 30, 19 (I Agric.) Capt. Cook, Hawaii; 1815 S. King St.
Greig, David R., 154½, 82 (III Civ. Eng.) 2376 Oahu Ave.
Guard, Edwin L., 0, 0 (I Agric.) 2468 Kuhio St.
Guard, Ernest K., 0, 0 (I Agric.) 2468 Kuhio St.
Guero, Francisco D., 329½, 123 (IV Voc. Educ., Agric.) Hilo, Hawaii; 802 Kanoa St.
Hall, Harold H., 176½, 86 (III Voc. Educ., Agric.) 3608 Leahi Ave.
Hanaoka, Bertha T., 232, 95 (III Agric.) 155 S. Kukui St.
Hansen, George R., 272½, 122 (IV Gen. Sci.) 1427 Whitney St.
Hapai, Charles L., 21, 11 (I Eng. Box) 635, Hilo, Hawaii; 2112 Bingham St.
Harry, John Vernon, 426½, 123 (IV Gen. Sci.) 4042 Maunaloa Ave.
Hayashi, Elsie Y., 161, 82 (III Home Econ.) Holualoa, North Kona, Hawaii; 2151 Atherton Rd.
Hayashi, Hideo, 113, 55 (I Civ. Eng.) Haiku, Maui; 1710 Fort St.
Heath, Sherman A., 0, 0 (III Agric.) 2188 Atherton Rd.
Hoe, Hop, 38, 19 (I Agric.) 25 Kaula St.
Hoe, Sheong, 44, 19 (I Agric.) 25 Kaula St.
Helbush, A. Eugene, 18, 12 (I Sug. Tech.) Honomu, Hawaii; Atherton House
Hew, Alfred Y. K., 260, 93 (III Pre-Medical) Paia, Maui; 1934 S. King St.
Higaki, Bunji, 167, 56 (II Civ. Eng.) 2140 Dole St.
Higaki, Kenzo, 36, 16 (I Gen. Sci.) 2140 Dole St.
Hiroshige, Raymond H., 24, 18 (I Gen. Sci.) Box 126, Waialua, Oahu; 918 Thompson St.
Hirata, Osamu, 158, 86 (III Civ. Eng.) Ewa, Oahu; Atherton House
Ho, Maude K. L., 351, 143 (IV Voc. Educ., H. E.) 1031 Kinau St.
Ho, Richard W., 2, 1 (I Agric.) 2142 Eheu St. (Withdraw)
Ho, Robert W., 22, 13 (I Gen. Sci.) 1685 Lusitania St.
Hong, James C. S., 269½, 91 (III Pre-Medical) Box 118, Wahiawa, Oahu
Honnaka, Juichi, 156½, 80 (III Agric.) 1322 Kealia Ave.

* To receive degree upon satisfactory completion of first year at Medical School.
Howell, William, 68½, 46½ (67) (III Sug. Tech.) 1552 Keaumoku St.
Hu, Wing Chung, 223½, 116 (III Civ. Eng.) 1896 Pauoa Rd.
Ichimura, Kenichi, 382½, 125 (IV Pre-Medical) 1518-F Liliha St.
Ige, Yuichi, 114, 54 (II Agric.) R. F. D. Box 100, Haiku, Maui; 729 Waiakamilo Rd.
Ignacio, Norman N., 293, 126 (III Voc. Educ., Agric.) Box 96, Hakalau, Hawaii; 1222 Artesian St.
Ikeda, Margaret, 15, 8 (I Voc. Educ., H. E.) Box 53, Kealakekua, Hawaii; 962 Robello Lane
Inaba, Yoshio, 139½, 81 (III Civ. Eng.) Box 130, Holualoa, Hawaii; 1815 So. King St.
Ing, May K. Y., 42, 19 (I Home Econ.) 1704 Poki St.
Inowye, Jun, 19, 13 (I Gen. Sci.) 1146 Austin Lane
Ishikawa, Dorothy K., 235, 117 (IV Home Econ.) Kealakekua, Kona, Hawaii; 2842 Koaniani Way
Ishikawa, Wataru, 152, 84 (III Pre-Medical) Box 287, Kealakekua, Hawaii; 1815 S. King St.
Ishimura, Fumio, 6, 3 (I Sug. Tech.) 30 Minami-cho Takanawa Shiba-ku, Tokyo, Japan; Atherton House
Iwai, Tolu, 34, 14 (I Sug. Tech.) 59 Kaulua Lane
Iwaoaka, Noboru, 245½, 96 (III Agric.) 2006-A Lusitana St.
Iwasa, Yukio, 40, 16 (I Pre-Medical) Chibachen, Japan; corner King St. and Gulick Ave.
Jarrett, Paul J., 13, 8 (I Agric.) 3404 Waialae Rd.
Judd, David S., 311, 131 (4) (IV Gen. Sci.) 2021 Kakela Dr.
Judd, Frank C., 32, 12½ (I Gen. Sci.) 2021 Kakela Dr.
Kaapana, Lloyd C., 261, 130 (IV Voc. Educ., Agric.) Naalehu, Kauai; 1941 Dole St.
Kagawa, Yoshinobu, 258½, 91 (III Pre-Medical) 3734 Harding Ave.
Kanderson, Ernest A., 46, 19 (I Civ. Eng.) 422 Royal Hawaiian Ave.
Kaneshiro, Francis T., 48, 27 (I Pre-Medical) Box 777, Waipahu, Oahu
Kashiwahara, James T., 30, 13 (I Pre-Medical) Lihue, Kauai; Atherton House
Kawakami, Norito, 413½, 134 (IV Agric.) Waimea, Kauai; Atherton House
Kawakami, Sakai, 87, 43 (II Civ. Eng.) Pahoa, Hawaii; 909-B McCully St.
Kawakami, Yoshio, 122, 55 (II Gen. Sci.) Kalahaio, Kauai; 1240 Hall St.
Kawamura, Frederick H., 307, 124 (IV Agric.) 941 Pumehana St.
Kawamura, Masami, 48, 19 (I Home Econ.) 1227 Pau Lane
Kawaoka, Wallace S., 273, 92 (III Gen. Sci.) Box 65, Eleele, Kauai; 1710 Fort St.
Keeney, John R., 3, 3 (I Gen. Sci.) Olean, N. Y.; Fort Shafter
Kidyo, Yukio, 28, 16 (I Agric.) Box 431, Haiku, Maui; 1710 Fort St.
Kikuta, Kasuo, 28, 11 (I Gen. Sci.) Haiku, Maui; 1839 Anapuni St.
Kim, Phil H., 57, 42 (II Pre-Medical) 1301 Liliha St.
Kimata, Harold T., 199½, 104 (IV Pre-Medical) Tulane University of Louisiana, School of Medicine, New Orleans, La.
Kimura, Minoru, 270½, 108 (IV Pre-Medical) Tulane University of Louisiana, School of Medicine, New Orleans, La.
Kimura, Sumiye, 52, 19 (I Home Econ.) 2259 Hiu St.
Kinoshita, Tsuneo, 192, 82 (III Gen. Sci.) 1016-A Pawaa Lane

* To receive degree upon satisfactory completion of first year at Medical School.
Register of Students

Kitamura, Tadao, 233½, 91 (III Gen. Sci.) Waianae, Oahu; 1023 Kikeke Ave.
Kiyosawa, Mildred H., 254, 127 (IV Home Econ.) 1429 Makiki St.
Kobatake, Daiji, 259, 96½ (III Civ. Eng.) Box 1163, Hilo, Hawaii; Charles Atherton House
Kodama, Peggy H., 314½, 128½ (IV Voc. Educ., H. E.) Lahaina, Maui; Women's Dormitory
Koga, Masao, 268, 123½ (IV Agric.) Olaa, Hawaii; 2757 Puuhonua Ave.
Komesu, Seiichi, 252, 96 (III Pre-Medical) 74 So. Vineyard St.
Komori, Aiko, 43, 19 (I Home Econ.) 136 Koloko Lane
Kono, Kenneth K., 208½, 88 (III Gen. Sci.) Box 581, Lihue, Kauai; 1235 Hall St.
Koseki, Bernard J., 31, 15 (I Agric.) 576 Waipa Lane
Kruse, Arnold A., 223½, 87 (III Sug. Tech.) Kekaha, Kauai; Atherton House
Kubota, Akio, 106½, 51½ (II Agric.) Lawai, Kauai; 1239 S. King St.
Kubota, Hisashi, 146, 53 (II Gen. Sci.) Box 306, Waimea, Kauai; 1239 S. King St.
Kunimoto, Yoshiyo, 177, 74 (III Civ. Eng.) Onomea, Hawaii; 506 Hawaiian Trust Bldg.
Kuon, John J., 140, 53 (II Agric.) Wahiawa, Oahu; 2322 Rose St.
Kurakake, Tsuyoshi, 124, 52 (II Gen. Sci.) Box 178, Lahaina, Maui; 79 N. School St.
Kuramoto, Kiyoshi, 33, 16 (I Pre-Medical) 1229 Young St.
Kusunoki, Henry, 96, 44 (II Voc. Ed., Agric.) 233-B Huli Lane
Kuwamoto, Harriet Y., 3148 Charles St.
Lam, Philip T. F., 274, 121 (IV Pre-Medical) 1382 Liliha St.
Lau, Thomas C. S., 310½, 152½ (IV Civ. Eng.) 3703 Harding Ave.
Lee, Ah Kau, 2, 1 (I Gen. Sci.) 1554 Liholiho St.
Lee, Dat Wah, 47, 15 (I Sug. Tech.) 3616 Waialae Ave.
Lee, Joshua (1 Civ. Eng.) Box B, Wahiawa, Oahu (Withdraw)
Lemon, George F., 38, 16 (70) (II Gen. Sci.) 2825 Nuuanu Ave.
Leong, Kenneth K., 20, 10 (I Civ. Eng.) Box 86, Kahuku, Oahu; 938 Winant St.
Leong, Sun, 95, 47 (1) (II Pre-Medical) 1533 Kaulana Lane
Lim, Sung Yil, 25, 14 (I Pre-Nursing) Box 113, Spreckelsville, Maui; Susannah Wesley Home
Liu, Flora S. T., 276, 130 (IV Gen. Sci.) 3306 Gazette Ave.
Loo, Ah Hoong, 123, 36 (I Gen. Sci.) 1316 Piikoi St.
V Loo, Walter S., 312½, 129 (IV Pre-Medical) Box 517, Hilo, Hawaii; 1941 Dole St.
Louis, Lucille, 196, 54 (II Gen. Sci.) 1060 Koko Head Ave.
Lueh, Hing Yee, 201½, 93 (III Gen. Sci.) 1308 Date Way
Lyman, Albert K., 153, 88½ (III Gen. Sci.) Pahoa, Hawaii; Pleasanton Hotel
Lyman, David B., 131½, 53½ (II Sug. Tech.) 941 Koko Head Ave.
Lyman, Robert A., 42, 17 (I Sug. Tech.) 941 Koko Head Ave.
Maeda, Yoshimi, 225½, 93 (III Voc. Ed., Agric.) Ewa, Oahu; 1239 S. King St.
Maehara, Saburo, 44, 18 (I Agric.) Puunene, Maui; 1239 S. King St.
Martinez, Angel, 33, 15 (I Civ. Eng.) Salvation Army Boy's Home, Kaimuki
Maruyama, Charles I., 116, 56 (II Agric.) 57 S. Kuakini St.
Masuda, Haruo, 292, 126 (IV Agric.) 79 N. School St.
Matsuda, Shoichi, 18, 12 (I Civ. Eng.) R. F. D. Rt. 1, Box 105, Hilo, Hawaii; c/o Mr. Charles Humme, 741 16th Ave.
Matsumoto, James, 127, 56 (II Gen. Sci.) Kumamoto Ken Kamimashiki Gun Kosa Machi, Japan; 4241 Waialae Ave.
Matsumoto, Walter T., 284, 95 (III Civ. Eng.) 2158-B Wilcox Rd.
McArthur, Frank A., 14, 7 (I Pre-Medical) 1812 Lusitana St.
McArthur, Ray V., 21, 9 (I Gen. Sci.) 1812 Lusitana St.
McCluskey, Donald, 169, 59 (II Gen. Sci.) 1698 Mott Smith Dr.
Medeiros, Arthur P., 6, 5 (I Agric.) Watertown, Oahu
Meek, Jack A., 18, 9 (I Agric.) 2820 Park St.
Mendonca, Adolph J., 82, 44 (II Civ. Eng.) 2411 Rose St.
Midorikawa, Haruko, 305, 118 (IV Home Econ.) 1774-B Algaroba St.
Mitsuda, Masato, 359½, 113 (IV Pre-Medical) Northwestern Medical College, Evanston, Ill.
Miwa, Shinji, 230, 90 (III Voc. Ed., Agric.) Lihue, Kauai; Atherton House
Miyahara, Mildred, 56, 33 (II Pre-Medical) 2871 Waialae Ave. (Withdrew)
Miyamoto, Mitsuo, 153, 53 (II Pre-Medical) Box 58, Hilo, Hawaii; 1710 Fort St.
Miyasaki, Hisao, 149, 88 (III Voc. Ed., Agric.) Paauilo, Hawaii; 1749-F Self Lane
Morikiro, Yutaka, 44, 19 (I Gen. Sci.) Kahului, Maui; 79 N. School St.
Morimoto, Benjamin, 167, 87 (III Gen. Sci.) Waimea, Kauai; 2114 Wilder Ave.
Morii, Kiyomi, 190½, 83 (III Agric.) Hanamaulu, Kauai; 1710 Fort St.
Morley, Harold H., 47, 17 (I Sug. Tech.) 1570 Thurston Ave.
Motoyama, Charles J., 357, 125 (IV Gen. Sci.) Kilauea, Kauai; 1426-D Young St.
Murakoshi, Donald M., 156, 56 (II Agric.) Box 147, Wahiawa, Oahu; 2015 Makiki Round Top
Murayama, Tami, 59, 30 (II Civ. Eng.) 280 N. Beretania St. (Withdrew)
Muroki, Kiyomi, 407½, 128 (IV Sug. Tech.) Paia, Maui; 1239 S. King St.
Murphy, Ernest V., 0, 0 (I Pre-Medical) Schofield Barracks; Atherton House
Nakahara, James M., 115, 46 (II Civ. Eng.) 1757 Waiola St.
Nakano, Masao, 160, 54 (II Sug. Tech.) Makaweli, Kauai; 1521 Enos Lane
Nakatani, Minoru, 47, 19 (I Civ. Eng.) Box 119, Hilo, Hawaii; 1710 Fort St.
Newton, Herbert E., 8, 7 (I Sug. Tech.) 1573 Pensacola St.
Nikaido, Raymond Y., 380½, 130 (IV Gen. Sci.) Pukoo, Molokai; Mills School Farm
Register of Students

Nishigaya, Toru, 160, 81 (III Pre-Medical) 144 Kukui St.
Nishihara, Sadao, 22, 15 (I Civ. Eng.) 318 Kalihi St.
Nishijima, Satoru, 258½, 89½ (III Pre-Medical) 53 S. Kukui St.
Nishijima, Takeshi, 90, 53 (II Pre-Medical) 53 Kukui St.
Nishimura, Kazuma, 41, 19 (I Sug. Tech.) Kahului, Maui; 1239 S. King St.
Nishimura, Sueko, 8, 4 (I Pre-Nursing) Box 1221, Hilo, Hawaii; 624 Quinn Lane
Obayashi, Tsumeo, 272, 133 (IV Civ. Eng.) Box 95, Naalehu, Hawaii; 949 Kawalahaoo St.
Oka, Tatsuko, 37, 16 (I Home Econ.) Box 36, Mt. View, Hawaii; 1071 Kinau St.
Oka, Tsutomu, 46, 16 (I Pre-Nursing) Box 36, Mt. View, Hawaii; 1071 Kinau St.
Okada, Stephen T., 366, 134 (IV Civ. Eng.) Paia, Maui; 1722 Oloana Lane
Okamoto, Hanayo, 44, 17 (I Pre-Nursing) Waimea, Kauai; Mid-Pacific Institute
Okazawa, Masao, 82, 54½ (II Pre-Medical) 1119 Nehoa St.
Okimoto, Marion C., 231, 90 (III Gen. Sci.) 3480 Waialae Ave.
Okuda, William, 8, 5 (I Sug. Tech.) 1441 Middle St.
Okumura, Kinzo, 16, 8 (I Agric.) Box 57, Holualoa, Hawaii; 2389 Prince Edward St.
Oliveira, Lillian M., 22, 13 (I Pre-Nursing) 1541 Fort St.
Omori, Kunji, 195½, 103 (III Civ. Eng.) Kealia, Kauai; 1239 S. King St.
Onaga, John M., 114, 69 (II Agric.) Puuloa, Watertown, Oahu
Ooka, Hiroshi, 24, 15 (I Agric.) 711 S. King St.
Ota, Robert K., 186½, 90½ (III Pre-Medical) 79 N. School St.
Pack, Woon Young, 47, 18 (I Voc. Ed., Agric.) Box 1191, Hilo, Hawaii; Atherton House
Pang, Bertha K., 390, 142 (2) (IV Voc. Ed., H. E.) 1409-C Cunha Lane No. 4
Pang, Richard Y., 172½, 84 (III Civ. Eng.) 244 Kamakela Lane, Kukui St.
Park, Cullen S., 40, 16 (I Gen. Sci.) 24-347 Buckle Lane
Park, Edward, 274, 135 (IV Civ. Eng.) 507 Iolani Ave.
Patterson, Fred D., 213, 78 (61) (IV Agric.) So. St. Paul, Minn.; 1519-B Wilder Ave.
Penhallow, Charles F., 460½, 132 (IV Gen. Sci.) Waiakaoa, Maui; Atherton House
Raghunib, Ram, 103, 50 (II Sug. Tech.) Pilibhit, U. P., India; Atherton House
Reid, Keith, 42, 18 (I Civ. Eng.) 65th Squadron, Luke Field
Rhodes, Leon, 0, 0 (29) (II Sug. Tech., Chem.) 1245 Lunalilo St.
Rickard, Elisabeth K., 75, 46 (II Gen. Sci.) 221 Kinoole St., Hilo, Hawaii; 1319 Emma St.
Robinson, Mark P., 19, 9 (28) (II Sug. Tech.) 2211 Nuuanu St.
Rosa, George, 16, 12 (I Pre-Medical) 1988 Pauoa Rd.
Ruley, Stuart P., 44, 17 (I Sug. Tech.) Box 3252, Honolulu
Sakaguchi, Clarence, 165, 86 (III Pre-Medical) Kapaa, Kauai; 1411 Gulick Ave.
Sakai, Peter H., 302, 126½ (III Civ. Eng.) 3167 Paho Ave.
Sakamoto, Clara S., 50, 17 (I Pre-Nursing) 853 Kawaiahao St.
Sakamoto, Horace T., 21, 12 (I Civ. Eng.) 3532 Maunaloa Ave.
Sakata, Harue, 51, 19 (I Home Econ.) 1205 Richard Lane
Sakata, Toshi, 345, 125 (IV Pre-Medical) 3357 Paho Ave.
Santoki, Genji, 23, 17 (I Sug. Tech.) Aiea, Oahu
Sardana, Amarnath, 38, 19 (65) (II Sug. Tech.) Dewan Ashram, Multan City, India; Atherton House
Sasaki, Teruo, 51, 15 (I Agric.) 1471 S. King St.
Sato, Yoshio, 38, 19 (I Pre-Medical) 11 N. Hotel St.
Schoenberg, Erling V., 26, 14 (I Civ. Eng.) Waipahu, Oahu
Schulmeister, John, 19, 11 (I Sug. Tech.) 594 Mokaua St.
Sekimoto, Carver S., 115½, 55½ (III Home Econ.) Box 52, Paauhau, Hawaii (Withdrawn)
Self, Louis N. K., 15, 9 (I Sug. Tech.) 1749-B Self Lane
Seriawa, Sumi, 194, 87 (III Pre-Medical) 625 McNeill St.
Seto, Ah Wai, 92, 57 (II Pre-Medical) Hanapepe, Kauai; 3923 Waiamoe Ave.
Shaw, Thomas N., 57, 15 (I Gen. Sci.) Lanikai, Oahu; 1310 Punahou St.
Shigemi, Masayuki, 352, 131 (IV Voc. Ed., Agric.) 1881 N. King St.
Shimabukuuro, Kiyoshi, 112, 56 (II Pre-Medical) Box 134 Laupahoehoe, Hawaii; Box 816, Honolulu
Shimoda, Robert K., 32, 12 (I Pre-Medical) 2728 Huapala St.
Shirakata, Tsutomu, 177½, 89 (III Pre-Medical) 79 N. School St.
Shiraki, Raymond N., 265, 120 (IV Gen. Sci.) 1209 Elm St.
Smith, Harry T., 29, 14 (I Civ. Eng.) 270 Beach Walk
Smith, Richard M., 163, 52 (66) (IV Sug. Tech.) Ladysmith, Wis.; 734 Ocean View Ave.
Sone, Masao, 164½, 82 (III Civ. Eng.) Spreckelsville, Maui
Spillner, Gertrude M., 250, 96 (III Home Econ.) 1635 Dole St.
Stevenson, Albert O. (I Civ. Eng.) 3257 Kaimuki Ave. (Withdrawn)
Sugai, Ryoichi, 328½, 124 (IV Agric.) 914 Pumehana St.
Sugai, Yuki, 232, 89 (III Home Econ.) 914 Pumehana St.
Sugimura, Doris S., 362, 130 (IV Home Econ.) Box 27, Honokaa, Hawaii; 1429 Makiki St.
Sumida, Richard M., 49, 18 (I Agric.) Pearl City, Oahu
Suzuki, Shigeru, 19, 14 (I Sug. Tech.) Eleuee, Kauai; 1239 S. King St.
Swanson, Marie A., 40, 19 (I Home Econ.) 3037 Oahu Ave.
Takahashi, David, 44, 19 (I Pre-Medical) Hanalei, Kauai; Mid-Pacific Institute
Takase, Toyo, 245, 88 (III Home Econ.) 1111 Fort St.
Takemoto, Francis S., 179, 54 (II Sug. Tech.) 846 Coolidge St.
Takahama, Kameichi, 233½, 95 (II Pre-Medical) Box 164, Ewa, Oahu; 906 Pumehana St.
Takesue, Takeo, 40, 18 (I Pre-Medical) 1554 Kalakaua Ave.
Takumi, Kenzo, 96, 53 (II Civ. Eng.) Hamakuapoko, Maui; 1239 S. King St.
Tanabe, George, 34, 19 (I Agric.) Box 155, Waialua, Oahu; 1710 Fort St.
Tanaka, Edward M., 16, 12 (I Sug. Tech.) Box 96, Waialua, Oahu; 1710 Fort St.
Tanaka, Tom T., 25, 13 (I Gen. Sci.) 2675 Nakooko St.
Tanimoto, Ralph H., 205, 81 (III Agric.) 1710 Fort St.
Tanahata, Yoshiyuki, 148, 60 (1) (II Sug. Tech.) Koloa, Kauai; 2223 S. Beretania St.
Tanner, Luella J., 23, 14 (I Pub. Health) 189' Honnomoku, Yokohama, Japan; 1051 Kinaw St.
Tarutani, Charles K., 47, 19 (I Pre-Medical) 1351 Iao Lane
Tashima, Isami, 25, 16 (I Pre-Medical) Pahoa, Hawaii; 1710 Fort St.
Tateyama, Kenji, 24, 11 (I Agric.) Kailua, Haiku, Maui; 2839 East Manoa Rd.
Register of Students

Teramoto, Shizuko, 222, 84 (III Home Econ.) 2842 Koaniani Way
Thompson, Margery G., 42, 16 (I Gen. Sci.) 3743 Sierra Dr.
Tofukui, Harue, 40, 14 (I Home Econ.) Lahaina, Maui; 2255 Hiu St.
Togashi, Tero, 32, 16 (I Civ. Eng.) Kapaa, Kauai; 1442 16th Ave.
Tom, Kam Sung, 31, 19 (I Gen. Sci.) 1549 Pawale Lane
Tomas, Julian, 10, 7 (I Sug. Tech.) Bantag, Munoz, N. E., P. I.; 728 Kaliihi St.
*Tomoguchi, George Y., 254, 108 (IV Pre-Medical) Tulane University of Louisiana, School of Medicine, New Orleans, La.
Tomoguchi, Yoshitsugu, 139, 55 (II Agric.) 245 Kawili St., Hilo, Hawaii; 1710 Fort St.
Tomonari, George Y., 173, 58 (II Civ. Eng.) 1433 Liona St.
Toyofuku, Ronald T., 205, 95 (III Sug. Tech.) Wahiawa, Eleele, Kauai;
Ueno, Shoichi, 377, 134½ (IV Agric.) 1743 S. King St.
Uyeno, Gladys C., 123, 50 (II Home Econ.) 38 Hialoa St.
Van Orden, Herbert, 391, 140 (IV Civ. Eng.) 1623 Pensacola St.
Wat, Francis K., 61, 28 (I Civ. Eng.) Pahala, Hawaii; Atherton House
Wat, Bo Tong, 31, 14 (I Civ. Eng.) 420 Mokawea St.
Watanabe, Tetsui, 137, 47 (II Pre-Medical) 3410 Campbell Ave.
Watanabe, Yasuji, 70, 44 (II Gen. Sci.) Paia, Maui; 478 N. Kuakini St.
Watt, Alison, 90, 47 (II Pre-Medical) Box 83, Kohala, Hawaii; University of Hawaii Dormitory
Weight, Herbert C., 201½, 85 (III Sug. Tech.) 2029 Nuuanu Ave.
Welty, Larri E., 179, 51 (II Gen. Sci.) 3895 Sierra Dr.
White, Richard P., 43, 19 (I Gen. Sci.) Naval Hospital, Pearl Harbor
Whitmarsh, John, 39, 17 (I Civ. Eng.) Kealakekua, Hawaii; 3460-B Maunalei Ave.
Whittington, Elizabeth K., 96, 47 (II Home Econ.) Waiohinu, Kaunakakai, Hawaii; 2050 Mohala Way
Wild, Elwood C., 18, 9 (I Civ. Eng.) 1718 Anapuni St.
Wilson, Frank S., 41, 12 (48) (III Pre-Medical) Kodoli, Kolhapur State, India; Atherton House
Winstead, Charles W., 10, 5 (I Civ. Eng.) 2618 Doris Pl.
Won, Raymond Y. W., 109, 53 (II Agric.) 1742 Fort St.
Wong, Andrew S., 50, 19 (I Civ. Eng.) 1226 9th Ave.
Wong, Benjamin Y. W., 23, 12 (I Civ. Eng.) 1457 Auld Lane
Wong, Charles Y. O., 294, 122 (IV Agric.) 1457 Auld Lane
Wong, Frank S. H., 168½, 79 (III Civ. Eng.) 1709-G Iliahi St.

* To receive degree upon satisfactory completion of first year at Medical School.
Wong, Hong Lin, 303, 97 (III Voc. Ed., H. E.) Box 166, Paia, Maui; Women's Dormitory
Wong, Walter, 330, 128 (IV Gen. Sci.) 1845-F Elena St.
Wong, Yau S., 295, 122 (IV Gen. Sci.) Cottage H, Pawale Lane
Wood, Charles G., 44, 17 (I Civ. Eng.) 265 Beach Walk
Wright, Marion, 142, 64 (III Home Econ.) 2162 Atherton Rd.
Yamamoto, Etsuko, 34, 16 (I Pre-Nursing) Box 16, Hilo, Hawaii; 79 N. School St.
Yamauchi, Howard G., 12, 8 (I Agric.) Box 145, Wahiawa, Ofahu; 1710 Fort St.
Yamamura, Harold Y., 177, 55 (II Gen. Sci.) Box 37, Honoula, S. Kona, Hawaii; 1936 Vancouver Highway
Yankoff, Victor I., 56, 24 (I Civ. Eng.) 41 Kitaiskaya St., Harbin, Manchuria; 709 Quarry St.
Yap, Arthur A. C., 31, 16 (I Civ. Eng.) 1600 Kamamalu Ave.
Yasuda, Kenzo, 258, 124 (IV Agric.) Kona, Hawaii; Moana Hotel
Yee, Francis L., 369, 99 (III Gen. Sci.) 1641 Nuuanu St.
Young, Alice H., 37, 17 (I Pub. Health) 1420 9th Ave.
Young, Fred Y. K., 0, 0 (I Agric.) 1825 Kapiolani St.
Yuen, Bessie M. H., 57, 19 (I Home Econ.) 1155-A Young St.
Yuen, Fred Y. K., 0, 0 (I Agric.) 1825 Kapiolani St.
Yuen, Seung Lin, 292, 120 (IV Pre-Medical) Box 167, Hilo, Hawaii; 1941 Kuhio Ave.

TEACHERS COLLEGE

Note:—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.

Abshire, Marie E., 32, 14 (I) 943 12th Ave.
Aiwohi, Francis K., 309, 101 (III) 69 Wylie St.
Aizawa, Yachiyo M. (I) Box 73, Wailuku, Maui; 1071 Kinau St. (Withdrawn)
Akamau, Florence, 106, 50 (II) Naalehu, Hawaii; 2610 Manoa Rd.
Ako, Esther Y., 28, 17 (I) 148 S. School St.
Amoy, Lynette H., 134, 50 (II) 3755 Waialae Ave.
Anjo, Virginia C., 211, 107 (IV) Box 73, Makawao, Maui; 3161 Paioha Ave.
Astleford, Elsie, 169, 56 (66%) (IV) 720 17th Ave.
Au, Anna K. O., 144, 52 (II) 989 Akepo Lane
Au, Margaret H. K., 25, 17 (I) 60 Kukui Lane
Register of Students

Ayau, Lei O., 278, 111 (IV) Hoolehua, Molokai; 923 Lokahi St.
Bairros, Margaret C., 55, 18 (I) 3741 Mahina Ave.
Baptiste, Helene R., 149, 78 (III) Box 65, Koloa, Kauai; 1121 Wilder Ave.
Cambray, Emily P., 296, 113 (IV) 221 Auwaiolimu St.
Canaday, Lotty V., 192, 62 (44) (IV) 258-B Beach Walk
Capellas, Laurence J., 121, 50 (II) Hakalaau, Hawaii; 1925 Dole St.
Chang, (Mrs.) Annie Oy Chin, 277, 117 (IV) 1642 St. Louis Dr.
Chang, Edna L. U., 436, 126 (IV) 35-B Kuakini St.
Chang, Rose K. M., 274, 130 (22) (V) 1621 Keeaumoku St.
Char, Ella K. H., 313, 128 (2) (IV) 1548 Young St.
Char, Lillie K., 226, 82 (III) 1548 Young St.
Char, Rosalie S. Y., 210, 81 (III) 602 Holokahana Lane
Chickasue, Noboru, 27, 14 (I) 1569 Pillingham Blvd.
Ching, Alice K. H., 339, 120 (IV) 1815 Dole St.
Ching, Mabel L. F., 266, 117 (IV) 1306 Young St.
Chong, Alice, 339, 120 (IV) 1815 Dole St.
Chong, Mabel L. F., 266, 117 (IV) 1306 Young St.
Chung, Juliette, 292, 112 (IV) 1509-B Pioneer St.
Chung, Momi P., 124, 49 (II) 2129 Eluwene St.
Coke, Lucille K., 164, 81 (III) Wailuku, Maui; 1715 Dillingham Blvd.
Cowell, Lily L., 349, 143 (V) 597 S. King St.
Davis, Hattie, 192, 87 (III) Pauwela, Maui; Women's Dormitory
Dolim, Olive E., 322, 116 (IV) Keahua, Maui; 3161 Pahoa Ave.
Donovan, Kathryn, 79, 27 (100) (IV) Tomah, Wis.; 2238 Kalia Rd.
von Duker, Berta K., 24, 13 (I) 2115 Damon St.
Elder, (Mrs.) Nell B., 162, 53 (70) (IV) 5002 Maunalani Circle
Elmhurst, Irmgard B., 286½, 118½ (IV) Box 156, Lihue, Kauai; 1319 Emma St.
Espinda, Nani K., 279, 118 (IV) 2115 Coyne Ave.
Eto, Yoshiaki, 54, 17 (I) 626 Iwilei Rd.
Ferreira, Elsie, 187, 80 (III) Aiea, Oahu
Fernandes, Edna L., 105½, 46 (II) Box 32, Makaweli, Kauai; 1807 Anapuni St.
Fukamachi, Tomie, 110, 47 (II) 1256-E Palm Dr.
Fukuda, Susan K., 260, 127 (IV) 1946 Pauoa Rd.
Furtado, Libana N., 207, 89 (III) Lahaina, Maui; 1220 Farrington St.
German, Helen G., 98, 38 (92) (IV) 2468 Tusiata St.
Gomes, Margaret, 315, 112 (IV) 3819 Waialae Ave.
Goo, Evelyn M., 29, 16 (I) 3041 Kalakaua Ave.
Goto, Lily Y., 127, 52 (II) Box 20, Honomu, Hawaii; 2045 Kamehameha Ave.
Goto, Mildred M., 191, 83 (III) Ewa, Oahu; 770 Wiliwili St.
Hamada, Florence, 142, 50 (II) Box 87, Kapaa, Kauai; Mid-Pacific Institute
Hamada, Yukio, 249, 91 (III) 907 Kamehameha Ave., Hilo, Hawaii; 1815 S. King St.
Hamamoto, Edna S., 25, 14 (I) 1902 Young St.
Hamamoto, Kuniko, 87, 46 (II) Box 70, Hilo, Hawaii; 1127 15th Ave.
Harada, Katherine H., 371, 116 (IV) Kiluaea, Kauai; 59 Kaulua Lane
Hee, Irene K. J., 106, 49 (II) Kapaa, Kauai; 1234-F Emma Lane
Helbush, Violet T., 291, 111 (3) (IV) Honomu, Hawaii; 321 Lilooukali Ave.
Higaki, Hisako Violet, 41, 17 (I) Box 34, Honomu, Hawaii; 2180 Atheron Rd.
Ho, Dora L. C., 299, 119 (IV) 1685 Lusitana St.
Ho, Florence Y., 29, 15 (I) 1646 Clark St. (Withdrew)
Ho, Kim Lan B., 238, 89 (III) 1918 Huina St.
Hokada, Elsie F., 254, 88 (III) Wainoa, Kauai; 946 Thompson St.
Holt, Jeanette K., 229, 99 (32) (V) 2256 Metcalf St. (Withdrew)
Hong, Naomi, 314, 81 (III) 1716 Palolo Ave.
Hoshino, Helen M., 141, 49 (II) Box 176, Wahiawa, Oahu; 1037 Kinaw St.
Hussey, Beatrice M., 161, 80 (III) Box 455, Wailuku, Maui; 597 S. King St.
Indie, George E., 177½, 84 (III) 1716 Palolo Ave.
Irvine, (Mrs.) Murty C., 332, 130 (IV) 1633 Alewa Dr.
Itamura, Noboru E., 109, 48 (II) Paia, Maui; 1710 Fort St.
Jay, Kwai Lan, 245, 120 (IV) 228 Halawa Ave.
Jay, Mew Yung, 114½, 49¼ (II) 802 Kalihi St.
Jewett, Evelyn M., 292, 113 (IV) 165 Hinano St., Hilo, Hawaii; 1269 Matloock Ave.
Johnston, Bruce, 43, 15 (I) 1664 Clark St. (Withdrew)
Johnson, Violet L., 215, 81 (III) Pearl City, Oahu
Kagekau, Sadie B., 112½, 51½ (II) 3490 Hayden St.
Kaiawa, Anne J., 268, 130 (IV) 228 Naone St.
Kamada, Misao, 208, 82 (III) Lihue, Kauai; Mid-Pacific Institute
Kamm, Margaret N. O., 328½, 119½ (IV) 2041 Coyne Ave.
Kanda, Hideko, 109, 43 (II) Box 61, Wailuku, Maui; 1035 Prospect St.
Kaneshiro, Grace F., 305½, 112½ (2) (IV) 791 Kinioole St., Hilo, Hawaii; 2206 Wilder Ave.
Kapfenberg, Adelia A., 222, 107 (IV) Box 3, Hakalau, Hawaii; 615-F Beretania St.
Kashiwa, Edith S., 320, 121 (IV) Box 165, Waialua, Oahu; 925 Kapaaaka Lane
Kawalh, Nellie K., 248, 106 (IV) Laie, Oahu; 1302 Nakuna St.
Kawamoto, Shizuyo, 428, 131 (IV) 2205 S. Beretania St.
Kawamura, Maizie T., 188, 82 (III) Box 303, Hilo, Hawaii; Kauilani Home
Kawasaki, Haruko I., 44, 17 (I) Box 61, Wailuku, Maui; 2073 Lowrey Ave.
Kaya, Elsie K., 238, 90 (III) 901 Factory St.
Kaya, Yoriko, 275, 84 (III) 1834 Lusitana St.
Kerslake, Eliza E., 118, 49 (76) (IV) 807 S. 7th St., Yakima, Wash.; 1726 Anapuni St.
Register of Students

Kim, Bernice H., 352½, 129½ (IV) 1814 Puowaina Dr.
Kim, Yealme, 150, 52 (II) 335-D N. Vineyard St.
Kinney, Hazel L., 198, 87 (III) Box 26, Hanapepe, Kauai; Cluett House
Knowton, Berenice A., 78, 26 (101½) (IV) 723 17th Ave.
Kobayashi, Rosaline K., 28, 17 (I) Box 44, Hanalei, Kauai; 2231 Hyde St.
Kolhoff, Lottie H., 311, 113 (4) (IV) 2444 Huene St.
Kotake, Doris M., 330, 93 (III) Honokaa, Hawaii; 2337 E. Manoa Rd.
Kubota, Masako, 316, 93 (III) Box 306, Waimea, Kauai; 2412 Oahu Ave.
Kunioki, Satoe, 242, 94 (III) Waiakoa, Maui; 2132 Atherton Rd.
Kuwamoto, Florence M., 124, 52 (II) 3148 Charles St.
Lau, Stella S. K., 278, 130 (IV) 3241 Brokaw St.
Lau, Violet Y. K., 23, 14 (I) 1216 Kinau St.
Lee, Abbie K., 117, 52 (II) 1199 Kilauea Ave., Hilo, Hawaii; 1233 15th Ave.
Lee, Alice K., 469, 133 (IV) 2041 Iholena St.
Lee, Alice K. Y., 37, 17 (I) 1408 Farrington St.
Leeper, Maude M., 66, 26 (97) (IV) Waialua, Oahu
Leithead, Arthur E., 264, 122 (IV) 1614 Emerson St.
Leithead, Helen S., 340, 142 (V) 1614 Emerson St.
Leong, Ah Jook, 259, 126 (IV) 934 8th Ave.
Leong, Choy Wun, 201, 79 (III) 1523 Alexander St.
Leong, Florence S. L., 173, 80 (III) 1523 Alexander St.
Lee, Alice K. Y., 37, 17 (I) 1408 Farrington St.
Lee, Alice K. Y., 37, 17 (I) 1408 Farrington St.
Lee, Alice K. Y., 37, 17 (I) 1408 Farrington St.
Loo, Stanley Y. T., 255, 108½ (IV) 1150 N. King St.
Luis, Abe, 59, 40 (II) 833 17th Ave.
Luke, Kwai Ngan, 401, 124 (IV) 1308 Date Way
Lum, Gladys K., 117, 51 (II) 3171 Kaimuki Ave.
Lum, Helen P. H., 423, 145 (IV) 817 Factory St.
Lum, Mary L. S., 253, 112 (IV) 3502 Campbell Ave.
Mackenzie, Muriel H., 298, 120 (IV) 1843-F Naopala Lane
Martin, Richard P., 182, 68 (II) Elgin, Ore.; 4738 Kahala Rd.
Masuda, Horace M., 118, 51 (II) Box 1316, Honolulu
Masuda, Matsuko, 287, 63 (III) Box 7, Kapaa, Kauai; 1471 S. King St.
Masumoto, Norio C., 123, 49 (II) 618 Winant St.
Matsui, Susumu, 269, 82 (III) Haiku, Maui; 703 S. King St.
Matsuki, Shizuko, 416, 147 (V) 340 N. School St.
Mau, Winfred C., 312, 116 (IV) 1346 Wilhelmina Rise
May, (Mrs.) Iris H., 306, 116 (IV) 728-B Ocean View Dr.
McClery, Maybelle B., 220, 61 (72) (IV) 238 Liliuokalani
McGregor, Marion F., 327, 129 (IV) 1165 McGregor Lane
McKee, Dorothy B., 158, 43 (69½) (IV) Makiki Hotel (Withdraw)
McMahon, Patricia, 368, 130 (IV) 1118 19th Ave.
Mirikitani, Carla H., 361, 145 (V) 1788 Ala Moana Rd.
Mirikitani, Hazel, 101, 52 (II) 1788 Ala Moana Rd.
Mirikitani, Richard, 54, 17 (I) 1788 Ala Moana Rd.
Mitsuka, Maizie, 78, 34 (II) 957 10th Ave.
Mitsuka, Roy M., 438, 164 (V) 106 Kamehameha Ave., Hilo, Hawaii; 280 N. Beretania St.
Miyoshi, Isamu, 451, 165 (V) 3639 Kepuhi Ave.
Moniz, Louise, 279, 131 (IV) 644 Magellan Ave.
Moo, Eleanor V. N., 173, 66 (62) (IV) 1040 6th Ave.
Moodie, Mary, 353, 140 (V) Paia, Maui; Women's Dormitory
Morrell, Eldon P., 346, 114 (22½) (IV) 1532 Liholiho St.
Murakawa, Violet M., 203, 82 (III) Naalehu, Hawaii; 597 S. King St.
Nahale-a, Albert P., 378, 123 (IV) Kamuela, Hawaii; 1122 1st Ave.
Nakagawa, Shizuko, 464, 150 (V) 713 South St.
Nakamura, Katsuko, 101, 46 (II) 222 Paoakalani St.
Nakamura, Shigeo, 286½, 114 (IV) Kealia, Kauai; 2856 Winam Ave.
Nakano, Jean, 416, 117 (IV) Hamakuapoko, Maui; 1335 Wilhelmina Rise
Nakano, Shizuko, 360½, 123½ (IV) Hamakuapoko, Maui; 1224 Wilhelmina Rise
Nakata, Henry S., 413, 114 (IV) 967 Akepo Lane
Nakatsuji, (Mrs.) Stella M., 189, 92 (III) Kaneohe, Oahu
Nip, Dorothy M., 267, 91 (III) 1623 Fort St.
Nomura, Eleanor S., 313, 116 (2) (IV) Box 174, Hilo, Hawaii; 912 Hookipa Way
Nunes, Stephen I., 151, 65 (III) Hakalau, Hawaii; 1925 Dole St.
O’Brien, Edwina L., 126, 50 (II) 1324 9th Ave.
Ohl, Noriko, 34, 14 (I) Aiea, Oahu
Okamura, James T., 147, 51 (II) Box 226, Koloa, Kauai; 1239 S. King St.
Okubo, Sakiko, 385, 116 (IV) 3514 Maluhia St.
Okubo, Setsu, 270, 81 (2) (III) 3514 Maluhia St.
Okumura, Midori J., 33, 17 (I) Box 201, Koloa, Kauai; 1071 Kinawo St.
Park, Gladys S., 337, 120 (IV) 3161 Kaimuki Ave.
Patterson, (Mrs.) Laviece H., 47, 18 (95) (IV) Punahou Cliffs, 1519-B Wilder Ave.
Peppin, Hazel B., 142, 48 (83) (IV) 2212 McKinley St.
Piñeres, Maurice, 413½, 134½ (IV) 1843 Fort St.
Pitts, Winifred M., 338, 122 (IV) 839 7th Ave.
Pohlmann, Helen, 22, 11 (I) 206 San Antonio Ave.
Puamana, Ina L., 147, 78 (III) 3337 Catherine St.
Punohu, Martha, 158, 80 (III) 1812 Ashford St.
Ralston, Evangeline L., 330, 118 (IV) 702 10th Ave.
Reis, Adeline H., 58, 27 (1) (II) Ewa, Oahu; 3747 Mahina Ave. (Withdrawn)
Roback, Wilhelmina M., 298, 117 (IV) c/o H. E. L. Co., Hilo, Hawaii; 597 S. King St.
Robinson, Ululani S., 344, 130 (IV) 1118 Hassinger St.
Roman, Rose R., 208, 81 (III) Olaa, Hawaii; 597 S. King St.
Ross, Doris E., 61, 16 (1) 910 14th Ave.
Sagara, Constance F., 171, 79 (III) 1668 Lusitana St.
Sakamoto, Dorothy T., 297, 90 (III) 853 Kawaiahaoo St.
Sakoda, Isako, 35, 17 (I) Lihue, Kauai; Mid-Pacific Dormitory
Sasaki, Beatrice H., 239, 82 (III) Box 327, Lahaina, Maui; 2629 Doris Place
Schaullie, Hortense H., 370, 144 (V) 935 10th Ave.
Schaullie, Wilhelmina, 212, 91 (III) 935 10th Ave.
Scobie, Jess B., 162, 52 (76) (IV) 1557 Hastings St.
Segawa, Fumiko, 249, 83 (III) 1441 Johnson Lane
Seong, Momi S., 41, 16 (1) Lahaina, Maui; 1319 Emma St.
Seu, Helen G. N., 120, 49 (II) Aiea, Oahu; 2108 S. King St.
Shimada, Teruko, 436, 140 (V) Box 72, Puunene, Maui; 1727 Fort St.
Shinoda, Dorothy H., 176, 82 (III) 1908 Waiola St.
Shintani, Patsy S., 226, 87 (III) Koloa, Kauai; 597 S. King St.
Shiroyama, Chiyoko, 115, 49 (II) 110 Mamane St., Hilo, Hawaii; 597 S. King St.
Silver, Adelaide R., 38, 17 (1) Honomu, Hawaii; 843 9th Ave.
Silva, Manuel P., 179, 78 (III) Box 883, Hilo, Hawaii; Box 2133, Honolulu
Silvers, Adelaide R., 38, 17 (1) Honomu, Hawaii; 1165 Fort St.
Simerson, Rose K., 284, 126 (IV) 1457 Auld Lane
Smith, Margaret H., 34, 16 (I) 1660 Pensacola St.
Sousa, Esther F., 386, 128 (IV) 1377 Lusitana St.
Sousa, Belmyra, 123, 52 (II) Kealua, Maui; 597 S. King St.
Sousa, Henrietta G., 21, 14 (I) Ewa, Oahu; 915 10th Ave.
Sprout, Mary, 485, 139 (V) 920 11th Ave. (Withdrawn)
Register of Students

Sproat, Thelma K., 225, 84 (III) 920 11th Ave.
Sugiyama, Kiyoko, 316, 112 (2) (IV) Box 8, Holualoa, N. Kona, Hawaii; 2107 Atherton Rd.
Sumida, Evelyn M., 23, 13 (I) 934 Austin Lane
Sutherland, (Mrs.) Zelie M., 255½, 101½ (III) Iolani School, cor. Nuuau and Judd Sts.
Suyama, Emiko, 197, 81 (III) Box 367, Hilo, Hawaii; 612 No. School St.
Takano, Sakae, 47, 17 (I) Box 141, Wahiawa, Oahu
Taketa, Helene U., 250, 84 (III) Hanalei, Kauai; 1148 Lunarilo St.
Takumi, Mae M., 368, 115 (IV) Hamakuapoko, Maui; 2143 Mohala Way
Tamano, Helen H., 332, 118 (IV) 1457 S. King St.
Tanioka, Toshie, 240, 77 (2) (III) Kurtistown, Hawaii; 2728 Hillside Ave.
Tanna, Rose H., 368, 130 (IV) 1511 Chung Hoon Lane
Tasaka, Frances C., 392, 130 (IV) 468-B Webb Lane
Tenn, Ellen Y. L., 42, 17 (I) Hawi, Hawaii; 1927 Coyne St.
Teshima, Dorothy H., 320, 51 (II) 6 Davies Lane
Teshima, May K., 190, 81 (III) Wailuku, Maui; 597 S. King St.
Ting, Margaret, 153, 58 (II) Box 162, Wailuku, Maui; 501 Kaliihi St.
Tsuchiya, Ethel C., 249, 107 (III) 817 Paani St.
Tom, Ellen, 208, 83 (III) 1095 Beretania St.
Tomita, Rioe, 2143 Mohala Way
Watanabe, Kimiyo, 249½, 85 (III) Lihue, Kauai; 2143 Mohala Way
Watanabe, Sumi, 48, 16 (I) Box 53, Wailuku, Maui; Box 775, Honolulu
Watt, (Mrs.) Gladys K., 235, 80 (II) 1568 Piikoi St.
Wela, Sarah K., 23, 15 (I) Box 133, Laupahoehoe, Hawaii; 597 S. King St.
Wilkinson, Albert M., 24, 13 (I) 261 Hualii St.
Williams, Icy, 244, 85 (33¾) (IV) 1568 Piikoi St.
Wilson, Betty, 55, 29 (II) Waikeha Mill, Hilo, Hawaii; Women’s Dormitory
Wist, Zoe A., 149, 55 (II) 2128 Oahu Ave.
Won, Grace H. I., 275, 126 (IV) 2552 Rooke Ave.
Wong, David K. C., 246, 88 (III) 1512 Io Lane
Wong, Marion Y. P., 50, 17 (I) 521 Ihe St.
Wong, Wayne, 32, 17 (I) Box 26, Wailuku, Maui; 3320 Pahoa Ave.
Yamaguchi, Daisy M., 303, 96 (III) Box 298, Pahoa, Hawaii; 2859 Kahawai St.
Yamamoto, Tsuruyo, 192, 81 (III) 793-B Archer Lane
Yamanaga, Mitsuyo, 106, 46 (II) 1951 Fort St.
Yamane, Yukino, 249, 83 (III) 2295 N. King St.
Yanagi, Tamayo T., 114, 53 (II) Box 93, Holualoa, N. Kona, Hawaii; 913 Kahuna Lane
Yamagihara, Grace T., 308, 117 (IV) Box 5, Hilo, Hawaii; 2535 E. Manoa Rd.
Yang, Ellen K., 103, 46 (II) Box 178, Wahiawa, Oahu
Yap, Beatrice M. Y., 38, 17 (I) 1600 Kamamalu Ave.
Yasutake, Thelma C., 117, 51 (II) Box 3345, Honolulu
Yee, Alyce A., 342, 129 (IV) 1641 Nuuau St.
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.
Register of Students

Biven, (Mrs.) Carnation K., 1033-H Palama Lane
Bockius, Beatrice S., 151 Edgemont Rd., Scarsdale, N. Y.; Territorial School for Deaf and Blind
Bodge, Jean M., 2748 Laniloa Dr.
Borden, Ida, 3479 Harding Ave.
Bowen, Barbara, 1908 Ualakaa St.
Boyrie, Jessie N., 1525 Liholiho St.
Braly, W. Davis, 2611 Ferdinand Ave.
Brange, Margaret, 1478 Thurston Ave.
Brange, Mary C., 1478 Thurston Ave.
Brite, Harry E., 949 16th Ave.
Brooks, Wendell Francis, 520 Wyllie St.
Brown, Chester R., Box 183, Schofield Barracks, T. H.
Brownlowe, (Mrs.) Virginia, 1630 Makiki St.
Bryson, (Mrs.) Violet M., 1257 15th Ave.
Buchanan, Marvilee, 2117-A Kalakaua Ave.
Buel, Rae, 2629 Kalakaua Ave.
Bush, William M., University of Hawaii
Butzke, Emma, 1707 Makiki St.
Caballero, Peter S., Narvacan, Ilocos Sur, P. I.; 489 Koula St.
Cabra, (Mrs.) Emily F., 3429 Harding Ave.
Canaday, Ruth, Gross, Idaho; 226 Kuakini St.
Cariaga, Roman R., 948 Winant St.
Carter, (Mrs.) Helen G., 3966 Waialae Rd.
Cary, (Mrs.) Edith B., 2656 Hillside Ave.
Castellucio, Cecilia, 915 Green St.
Castle, (Mrs.) Myrtle B., 3089 Pacific Heights Rd.
Chai, (Mrs.) Gertrude L., 1150 N. King St.
Chai, (Mrs.) Mary Ann S., 1045 Spencer St.
Chan, Kathleen F., 2012 Beretania St.
Chang, Annie A., 1836-A Boyd Lane
Chang, (Mrs.) Beatrice J., 762 19th Ave.
Chang, (Mrs.) Bernice S. C., 1621 Keeau'moku St.
Chang, Chester W., 27 Kaula St.
Chang, Dai Chuck, 949 7th Ave.
Chang, Kung Kai, 1658 Fort St.
Chang, (Mrs.) Lily L., 931 4th Ave.
Chang, Madeleine A., 2280 Dole St.
Char, Charles C., 1599 Kamehameha IVth Rd.
Char, (Mrs.) Esther, 854 8th Ave.
Chee, Violet K., Box 134, Ewa, Oahu
Ching, Annie L., 1317 9th Ave.
Ching, Daisy N. Y., 1535 Young St.
Ching, (Mrs.) Lani Y., Kanohe, Oahu
Ching, Lani L., 2620 Liliha Extension
Ching, (Mrs.) Lydia T., 3711 Waialae Ave.
Chow, Ruth F., 2027 S. Beretania St.
Choy, Mary Y., 1162 Young St.
Chromik, Erwin, Gleiwitz, Germany; 802 Prospect St.

Chu, Amy Lau, Waianae, Oahu

Chu, Hing, Charless, Honokaa, Hawaii; 1997-F Manoa Rd.

Chun, (Mrs.) Cecilia A., Waianae, Oahu

Chun, Muriel A., Waianae, Oahu

Chung, Ai Young M., 1401 S. King St. (Withdrew)

Chung, (Mrs.) Charlotte A., 1211 Elm St.

Chung, Elsie N., 3910 Kaimuki Ave.

Chung, Helen A. K., 720 King St.

Chung, Shirley, 1221 Elm St.

Chung, Yin Kyau, 2108 S. King St.

Chung-Hoon, Marie, 3262 Waialae Ave.

Cloward, Aleane, 2549 Malama Pl.

Correa, (Mrs.) Alice B., 1413 Dominis St.

Corum, William H., Castalian Springs, Tenn.; 2356 University Ave.

Cowan, Charlotte M., 1522-B Hastings St.

Coxhead, (Mrs.) Anna L., 1932 Awapuhi St.

Cozby, (Mrs.) Julia I., 3417 Keanu St.

Croswell, Mary C., 1731 Lanakila Rd.

Culman, Harry, 232 Dewey Ave.

Cunningham, (Mrs.) Etta R., Qtrs. 46 C. G., Schofield Barracks, T. H.

Dang, Violet N., 3378 Kilauea Ave.

Dawson, (Mrs.) Mildred R., 1641 Alewa Heights

Dean, (Mrs.) Leora P., 2225 Hyde St.

Deinert, Elizabeth F., 1151 16th Ave.

Deale, (Mrs.) Alice, Pearl City, Oahu; 1735 Lewalani Dr.

De Silva, Barbara, 2511 Rose St.

Deverill, Florence K., 2172 Atherton Rd.

Dewlaney, Mabel F., Kamehameha Schools

Diamond, Marion, K. G., 1226 15th Ave.

Dickson, (Mrs.) Amelia K. G., 3720 Manini Way

Douglas, (Mrs.) Jessie K., 1418 Victoria St.

Doyle, Emma L., 1652 Bingham St.

Dunbar, Lucille, 1610 Liholiho St.

Dung, Lingtai E., 760 9th Ave.

Dyson, Clarence B., Aiea, Oahu

Dyson, (Mrs.) Lucy, Aiea, Oahu

Dyson, (Mrs.) Margaret M., Reno, Nevada

Enos, (Mrs.) Josephine A., 2549 Waolani Ave.

Evans, (Mrs.) Belle, 1148 19th Ave.

Evans, Elmer B., Los Angeles, Calif.; Central Y. M. C. A.

Ewing, (Mrs.) Mary M., Morgan Hill, Calif.; Box 113, Ewa, Oahu

Fanas, Francisco C., Narvacan, Ilocos Sur, Barrio Cagayungan, P. I.; 1234-R Pua Lane

Farley, Virginia K. W., 2337 Coyne St.

Fernandes, Angeles A., 1698 Lewelani Dr.

Fernandes, Joseph A., 1731 Mikahala Way

Ferreira, Mary Ruth, 2410 Tusitala St.

Fiddes, Hilda J., Ewa, Oahu; 209-E Kailulani Ave.

Field, Frances E., 2745 Oahu Ave.

Fieldgrove, Sadie K., 1226 8th Ave.

Fisher, (Mrs.) Jessie S., 2121 McKinley St.

Foran, Howard B., Halston, Virginia; 9th Signal Service Co., Fort Armstrong, T. H.

Forbes, (Mrs.) Frances, 1520 Wilder Ave.

Fowlds, Lorraine, 2057 Lanihuli Dr.

Foxall, Sarah E., 1651 Kalakaua Ave.

Frick, Melvin H., Ferndale, Wash.; 2627 Waolani Ave.

Franco, Herbert J., 1326 Konia St.
Freitas, Henrietta, 1415 Lauhala St.
Freitas, Lucy, 1908 Lusitana St.
Frisbee, Naomi, Garner, Iowa; 2005 Lanihuli Dr.
Prowe, (Mrs.) Margaret S., Fernhurst
Fujio, James H., 1710 Fort St.
Fuller, Viola L., 740 17th Ave.
Hung-Hook, Anna Z., 2131 S. King St.
Furado, Richard, Lahaina, Maui; 1220 Farrington St.
Galusha, Marion, 1623 Makiki St.
Gault, Alta Janet, 1522-F Hastings St.
Gibson, (Mrs.) Helene, 642 10th Ave.
Gilliland, Jennie, 2008 Kapulani St.
Glassan, Frances L., 3734 Kaimuki Ave.
Gloumene, (Mrs.) Mabel D., 522 Hunakai St.
Godwin, Mary S., 2755 S. King St.
Gomes, Carrie P., 3060 Lakimau St.
Gomes, (Mrs.) Katie C., 1463 Luso St.
Gonsalves, Adelaide, Ewa, Oahu; 1430-A Wilder Ave.
Gonsalves, John R., 1034 4th Ave.
Goo, Emma N., 2106 No. School St.
Goo, Vivian, 2106 No. School St.
Gosling, Robert A., 2209 McKinley St.
Gosveia, (Mrs.) Mary O., 3127 Olu St.
Gregory, Ethel, 1218 8th Ave.
Guerreiro, Violet M., 1249 10th Ave.
Gusman, Bernard J., 2117 Pacheco St.
Hacker, Edith E., 1522-D Hastings St.
Hamada, Hideko M., 1410 Makiki St.
Hamamoto, Marguerite S., Kalaheo, Kauai; 914 21st Ave.
Hannestad, Sigrid, 1124 10th Ave.
Hansen, (Mrs.) Cora, 2512 Kuhio Ave.
Hargrave, George M., 671 18th Ave.
Harrington, Ann G., Makiki Hotel
Harrison, Virginia G., 2619 Lowrey Ave.
Hastie, Janet, 2703 Hillside Ave.
Haughton, Annie L., 1550-B Karratti Lane
Hedemann, Mildred M., 601 Judd St.
Hee, (Mrs.) Alice W., Wailuku, Maui; 1443 Pele St.
Hee, Ellen Chang, Box 3437, Honolulu
Hee, Rose K. S., 1234-F Emma Lane
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Hee Wai, (Mrs.) Edith C., 1807 Kalihi St.
Henderson, Margaret, 854 12th Ave.
Henke, (Mrs.) Rachel D., 2657 Terrace Dr.
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Hill, Anna H., Box 2603, Honolulu
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Hinochi, Asa, 1109 2nd Ave.
Ho, (Mrs.) Affie F., 411 Olohana St.
Ho, (Mrs.) Elizabeth M., 1431 Kewalo St.
Ho, (Mrs.) Helen C., 1314 Farrington St.
Ho, Verena B., 1063-A Lunalilo St.
Hobson, (Mrs.) Genevieve H., 3635 Mahina Ave.
Holt, (Mrs.) Frances H., 847 17th Ave.
Hood, Emily Lewis, 926 Kealaloa Ave.
Horne, (Mrs.) Margaret W., 2431 Burbank Rd.
Horner, Olive R., Box 2383, Honolulu
Hoshino, Haruyo, 424 Minamimachi Mito, Japan; Mid-Pacific Dormitory
Howell, (Mrs.) Edith M., 1552 Keeaumoku St.
Hu, Florian S. K., 1986 Pauoa Rd.
Huckestein, (Mrs.) Lucille, Box 1912, Honolulu
Hudgins, (Mrs.) Ah Lung, 2023 Metcalf St.
Imamotos, Naomasa, Yamaguchi-ken, Japan; 227 N. King St.
Inches, Myrtle, 3808 Pukalani Pl.
Ing, (Mrs.) Ella L., 1704 Poki St.
Ing, Grace F. I., 1002 8th Ave.
Ing, Lucille L., 1749 Self Lane
Ing, Mabel Liu, 3014 Gulston St.
Ing, Mary, 1136 8th Ave.
Ing, Rebecca Y. K., 1136 8th Ave.
Inter, (Mrs.) Clara H., 1002 4th Ave.
Iwamoto, Yoshio, 1221 Circle Lane
Iwanaka, James, 3732 Kawashimo, Yamaguchi, Japan; 2728 Huapala St.
Jamnik, Francis, 921 4th Ave.
Janssen, (Mrs.) Frances P., 721 Spencer St.
Jaques, Lois, 165-D Kealohilani Ave.
Jenkins, Isabelle H., Tantalus Rd.
Jessop, Helen, 3269 Charles St.
Jinbo, (Mrs.) Tamayo K., 1202-A S. Beretania St.
Johnson, Angeline, Villa Franca, Hilo Hawaii; 923 Lokahi St.
Jones, (Mrs.) Cora, 2863 Pacific Heights Rd.
Jopson, (Mrs.) Martha B., Punahou School
Kaaha, John K., 1106 Punchbowl St.
Kaaha, Lucy K., 2735 S. King St.
Kagihara, Toraichi, 3124 Waialae Rd.
Kahai, (Mrs.) Nellie M., 626 12th Ave.
Kam, Esther, Waialua, Oahu; 1416-E Lunalilo St.
Kanahele, Annie, 123 Bates St.
Karratti, Charlotte H., 817 Mokauea St.
Kau, (Mrs.) Esther I., 2430 Rooke Ave.
Kau, Lucy, 1858 Liliha St.
Kau, Mary, 650 9th Ave.
Kauhane, Alice M., 1014 2nd Ave.
Kauhane, Phoebe R., 2030 Puna St.
Keakahiwai, Richard M., 733 Robello Lane
Kekahio, (Mrs.) Lily N., 1367 7th Ave.
Kekuku, (Mrs.) Esther Goo, 1666 Liholiho St.
Kelsey, Arthur C., 2386 Oahu Ave.
Kendrick, Hattie M., 913-A Green St.
Kennedy, (Mrs.) Ruth G. T., Hilo, Hawaii; Ewa, Oahu
Kerley, Elsie B., 2936 Park Rd.
Kiefer, (Mrs.) Edith L., 721 19th Ave.
Kinolau, (Mrs.) Rebecca I., Waianae, Oahu; 1107 Gulick Ave.
Kong, Benjamin F., 2459 Liliha St.
Kong, (Mrs.) En Kyan Y., 2048 Bingham St.
Kong, Fannie C., 1943 Young St.
Kong, Irma T. K., 2459 Liliha St.
Kong, (Mrs.) Rose, 1051 Kinau St.
Kubo, (Mrs.) Florence S., Hilo, Hawaii; Fernhurst
Kukea, Eleanor L., 4263 Sierra Dr.
Kum, Helen S. T., 612 Ihe St.
Kupihea, Katherine, 3117 Hunter St.
Kurano, Kira, 1471 S. King St.
Kurisaki, Masie N., 1005 Hala Dr.
Labe, Ricardo V., Hanamaulu, Kauai; 1038 Palama St.
Lane, Galen, 1623 Alakea St.
Lardizarbal, Casto, Tagudin, Ilocos Sur, P. I.; 1156 Gulick Ave.
Lasar, Isabel C., c/o Library of Hawaii
Lau, Elsie C., 3716 Claudine Ave.
<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lau, (Mrs.) Elsie Y.</td>
<td>404 Kalihi St.</td>
</tr>
<tr>
<td>Lau, Tet Chin</td>
<td>2023 Metcalf St.</td>
</tr>
<tr>
<td>Lee, Elizabeth S. Y.</td>
<td>1464-H Gandall Lane</td>
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<tr>
<td>Lee, Ethel Y.</td>
<td>3031 Hinano St.</td>
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<td>Lee, Genevieve K. L.</td>
<td>2136 S. King St.</td>
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<tr>
<td>Lee, Gladys M. F.</td>
<td>3812 Noeau Ave.</td>
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<tr>
<td>Lee, Joseph U.</td>
<td>1037 7th Ave.</td>
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<td>Lee, Juliette K.</td>
<td>1026 Kiikeke Ave.</td>
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<tr>
<td>Lee, Lucy W.</td>
<td>Kohala, Hawaii; 1810 Bingham St.</td>
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<tr>
<td>Lee, Margaret S. H.</td>
<td>1505 Fort St.</td>
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<tr>
<td>Lee, Mew Sin H.</td>
<td>35-D Meli Lane</td>
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<tr>
<td>Lee, Sarah K. N.</td>
<td>725 9th Ave.</td>
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<td>Lee, Violet W.</td>
<td>1863-H Makaoe Lane</td>
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<td>Legros, (Mrs.) Adelaide K.</td>
<td>2022-B Young St.</td>
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<tr>
<td>Leong, Ah Tin</td>
<td>1055 Kinau St.</td>
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<td>Leong, Lillie L.</td>
<td>404 Pacific St.</td>
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<td>Lewis, Marie C.</td>
<td>1662 Piikoi St.</td>
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<td>Lindsey, (Mrs.) Lehua B.</td>
<td>1820 Anapuni St.</td>
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<tr>
<td>Ling, (Mrs.) Annie</td>
<td>1011 3rd Ave.</td>
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<td>Ling, Elsie</td>
<td>2627 Rooko Ave.</td>
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<td>Ling, Elizabeth M.</td>
<td>3261 Olu St.</td>
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<td>Liu, Bertha K.</td>
<td>1319 Emma St.</td>
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<td>Lloyd, H. Olga</td>
<td>1605 Liholiho St.</td>
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<tr>
<td>Lodge, R. Harry</td>
<td>Normanton, England; Box 784, Waipahu, Oahu</td>
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<tr>
<td>Loo, Mary Jin</td>
<td>1043 Kinau St.</td>
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<tr>
<td>Lopes, Juliet</td>
<td>3155 Lincoln Ave.</td>
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<td>Lovell, James W.</td>
<td>Hastings, Neb.; 1219 Alexander St.</td>
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<tr>
<td>Low, Eleanor G.</td>
<td>2236 Young St.</td>
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<td>Lum, Alice K.</td>
<td>1020 Pulaa Lane</td>
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<td>Lum, Esther K.</td>
<td>1447 Kewalo St.</td>
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<td>Lum, Henry T. S.</td>
<td>40 So. Vineyard St.</td>
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<td>Lung, Helen</td>
<td>2308 Bingham St.</td>
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<td>Lung, Marion Goo</td>
<td>2127 Coyne Ave.</td>
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<td>Lung, Rose Chong</td>
<td>2322 Marques St.</td>
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<tr>
<td>Luning, Daisy H.</td>
<td>1060 18th Ave.</td>
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<tr>
<td>Luter, George W.</td>
<td>Newark, N. J.; Dept. Hqrs. Detach., Fort Shafter</td>
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<tr>
<td>Lyau, Rose K.</td>
<td>1101 Kamehameha IV Rd.</td>
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<tr>
<td>Maby, (Mrs.) Elizabeth B.</td>
<td>1005 9th Ave.</td>
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<tr>
<td>Macario, (Mrs.) Elvira B.</td>
<td>3339 Harding Ave.</td>
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<tr>
<td>MacDonald, Norman A.</td>
<td>611 Walnut Ave., Syracuse, N. Y.; 1430 Pu-kele St.</td>
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<tr>
<td>MacKay, Donald R.</td>
<td>Box 3434, Honolulu</td>
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<tr>
<td>Mackenzie, Lucrene H.</td>
<td>1412 St. Louis Dr.</td>
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<tr>
<td>Mackintosh, Alexander</td>
<td>3245 Nuuanu Ave.</td>
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<tr>
<td>Mackintosh, Katherine A.</td>
<td>1902 Beckley St</td>
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<tr>
<td>Maeda, Kini</td>
<td>1270-D Akala Lane</td>
</tr>
<tr>
<td>Makaa, Violet</td>
<td>2014 Kapulani St.</td>
</tr>
<tr>
<td>Markham, (Mrs.) Nora K. S.</td>
<td>1516 Liholiho St.</td>
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<tr>
<td>Marks, B. Elizabeth</td>
<td>167-I Ohua Ave.</td>
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<tr>
<td>Marques, (Mrs.) Aldine H.</td>
<td>1220 Matlock Ave.</td>
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<tr>
<td>Marshall, Helen</td>
<td>1122 Alewa Dr.</td>
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<td>Marsland, (Mrs.) Sadie E.</td>
<td>2147 Wilder Ave.</td>
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<tr>
<td>Masuda, Morio</td>
<td>Wailuku, Maui; 1471 So. King St. (Withdrew)</td>
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<tr>
<td>Masumoto, Stanley K.</td>
<td>Wailuku, Maui; 79 N. School St.</td>
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<tr>
<td>Matsuguma, (Mrs.) Emma R.</td>
<td>3278 Lincoln Ave.</td>
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<tr>
<td>Mattson, J. Harry</td>
<td>2243 Manukai St.</td>
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<tr>
<td>Mau, Lucie</td>
<td>1310 McCully St.</td>
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<tr>
<td>Mau, Marion L.</td>
<td>952 10th Ave.</td>
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<tr>
<td>McBride, Sara</td>
<td>2441 Tusitala</td>
</tr>
<tr>
<td>McCabe, Katherine</td>
<td>942 4th Ave.</td>
</tr>
</tbody>
</table>
McClean, (Mrs.) Violet, 2409 Kuhio Ave.
McCoy, Esther L., Pasadena, Calif.; 2157 Kalakaua Ave.
McGinnis, Hazel W., 637 Judd St.
McGowan, (Mrs.) Bess D., Temple, Texas; Aiea, Oahu
McGregor, (Mrs.) Louise A., 1165-A McGregor Lane
McIntosh, (Mrs.) Helen F., Paia, Maui; 3464 Waialae Ave.
McMurray, (Mrs.) Alice J., 2407 Lilitha St.
McNabb, (Mrs.) Mary Lou B., Ewa, Oahu
McMillen, (Mrs.) Evelyn, 240 Liliuokalani St.
McNado, (Mrs.) Iva V., Ewa, Oahu
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McIntosh, (Mrs.) Helen F., Paia, Maui; 3464 Waialae Ave.
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McMurray, (Mrs.) Alice J., 2407 Lilitha St.
McNabb, (Mrs.) Mary Lou B., Ewa, Oahu
McMillen, (Mrs.) Evelyn, 240 Liliuokalani St.
McNado, (Mrs.) Iva V., Ewa, Oahu
McGregor, (Mrs.) Louise A., 1165-A McGregor Lane
McIntosh, (Mrs.) Helen F., Paia, Maui; 3464 Waialae Ave.
McMurray, (Mrs.) Alice J., 2407 Lilitha St.
McNabb, (Mrs.) Mary Lou B., Ewa, Oahu
McMillen, (Mrs.) Evelyn, 240 Liliuokalani St.
McNado, (Mrs.) Iva V., Ewa, Oahu
McGregor, (Mrs.) Louise A., 1165-A McGregor Lane
McIntosh, (Mrs.) Helen F., Paia, Maui; 3464 Waialae Ave.
McMurray, (Mrs.) Alice J., 2407 Lilitha St.
Register of Students

Pick, Robert B., 1908 5th St., Bremerton, Wash.; 13 Dewey Court
Poka, Elisabeth C., 287 Kalihi St.
Preston, Mary Borge, 1749 So. Beretania St.
Puua, Annie K., 2841 Kamanakaiki St.
Quinn, Thomas P., Salina, Kans.; 161-D Ohua Ave.
Quintel, (Mrs.) Jessie F., 1735 Wilder Ave.
Ratekin, Richard, Army & Navy Y. M. C. A.
Rawlins, Portia, 2613 Haleleia St.
Reeve, Marylyn G., 107 Schofield Barracks, T. H.
Reid, Mary B., 2478 Cleghorn St.
Reis, Rose G., 3060 Lakima St.
Richey, Edna, 2336 Beckwith St.
Riess, Ora L., 2543 Waolani Ave.
Romer, Claire C., 253 Lewers Rd.
Rosa, (Mrs.) Julia S., 746 17th Ave.
Ross, (Mrs.) Marie G., 1238 Wilhelmina Rise
Rutsch, (Mrs.) Dora L., 855 11th Ave.
Saclausa, (Mrs.) Marcelina, 810 McCully St.
Saito, Grace T., 1504 Kaumualii St.
Sasagawa, John Y., 1339 N. School St.
Sato, Amelia, 2468 Liliha St.
Sawyer, Lawrence B., Qtrs. 153, Schofield Barracks, T. H.
Sayers, (Mrs.) Rose C., 2211 Mohala Way
Schmidt, (Mrs.) Emma E., 3750 Waialae Ave.
Scott, Mildred, Waipahu, Oahu
Seal, (Mrs.) Dorothy C., Makiki Hotel
Sewell, Helen F., Papalaoa, Hawaii; 1805 Makiki St.
See, (Mrs.) Esther K. R., 914 21st Ave.
Sen, Francis, 318 Kukui St.
Shigemura, Ryosaku, 1243 Aala Lane
Shipp, (Mrs.) Lucy H., 1062 Young St.
Siebert, Henrietta, 2705 Rooke Ave.
Silva, (Mrs.) Frances E., 2453 Puuniti Ave.
Siro, Adeline L., Ewa, Oahu
Smith, (Mrs.) Florence, 3350 Alohea Ave.
Smith, Ronald Q., 3753 Sierra Dr.
Smith, Uarda F., 262-A Beach Walk
Sniffen, (Mrs.) Mary B., 2257 Kanealii Ave.
Soares, (Mrs.) Lydia D., 3711 Mahina Ave.
Soares, Marion E., 1630 Makiki St.
Soares, Olympia, 1407 Koko Head Ave.
Soares, Ricardo A., 421 Wyllie St.
Soon, Albert H., 2525 Rooke Ave.
Soon, Eva A., 1873 Puowaina Dr.
Sousa, Irene, 1901 Dole St.
Steger, John W., Detroit, Mich.
Stepp, (Mrs.) Ida J., 2432 Cleghorn St.
Sternemann, Vera, 433-A Lewers St.
Stewart, Deane C., 2454 Sonoma St.
Street, H. Ben, 1133 Hassinger St.
Stubbefield, (Mrs.) Beatrice, 821 Spencer St.
Sullivan, Nora M., Stonington, Ill.; Waipahu, Oahu
Summers, Paul E., D. H. D., Fort Shafter
Sunn, (Mrs.) Mabel L., 1301 Alewa Dr.
Suzuki, Henry Y., 1289 S. King St.
Tachera, Rita C., 1736 Kalani St.
Tamura, (Mrs.) Mathilda Z., Peninsula, Pearl City, Oahu
Tanaka, (Mrs.) Miyo Y., 1215 Wilder Ave.
Teves, Joseph, Jr., Ewa, Oahu
Thoene, (Mrs.) Alma E., 2548 Rooke Ave.
Tyler, (Mrs.) Bertha L., 2126 Hunnewell St.
Tuggle, Cleo P., Yakima, Wash.; 444-A Kuamoo St.
Turner, (Mrs.) Mary B., 1446 Liholiho St.
Tyau, Beatrice K., 3711 Wai'alae Rd.
Tyau, Belle, 1436 Lunaiilo St.
Tyau, Florence Y., 622 Ihe St.
Tyau, Henry T. V., 942 N. King St.
Tyau, Mary Ah Ping, 1447 Punchbowl St.
Tyler, (Mrs.) Bertha L., 2126 Hunnewell St.
Tyssowski, (Mrs.) Mary, 1828 Young St.
Vanderwall, Johanna, 2426 Prince Edward St.
Velasco, Max R., 826-J Mission Lane
Vieira, (Mrs.) Eva S., 1709 Beretania St.
Vieira, Georgina, 1165 Fort St.
Vitousek, (Mrs.) Juanita, 2476 E. Manoa Rd.
Vivas, Clothilde D., 1432 Liholiho St.
Von, Frances M., 1742 Fort St.
Wade, Anne E., 1802 Makiki St.
Walsh, Mary, 1343 Center St.
Warren, Roy E., 1124 N. 17th, Birmingham, Ala.; Luke Field, T. H.
Warriner, Rose, Box 2461, Honolulu
Watada, Yasu N., 2617 Waolani Ave.
Watanabe, Mildred, 1709-L Iliahi St.
Watson, (Mrs.) Louise W., 2435-B Ala Wai Blvd.
Weatherbee, (Mrs.) Gladys, 439 Kuamoo St.
Webling, (Mrs.) Marie, 1932 Bingham St.
Weeks, John A., Fort Shafter, T. H.
Weinrich, Sidney J., 2636 Ferdinand St.
Westly, (Mrs.) Ella T., 2710 Manoa Rd.
Westendorf, Eleanor, 3027 Kalakaua Ave.
Whigam, Lucy W., 418 W. Taylor St., Pipestone, Minn.; Ewa, Oahu
White, (Mrs.) Helen, 768 Kanoa St.
Wildrick, Edward W., Qtrs. 715, Schofield Barracks, T. H.
Wildrick, John A., Qtrs. 715, Schofield Barracks, T. H.
Wildie, (Mrs.) Edna B., 919-B 9th Ave.
Williams, (Mrs.) Alexander, 2745 Waiaka Rd.
Williams, John N., 2535 Upper Manoa Rd.
Wilson, Alma Louise, Mound City, Mo.; 3511-J Kanaina
Wing, Winifred E., Kamehameha Schools
Wise, Lois K., 632 Mokaua St.
Won, Arthur F., 1950 Pauoa Rd.
Won, Ethel Y., 1950 Pauoa Rd. (Withdrew)
Wong, Ah Lung, Kapaa, Kauai; 2027 So. Beretania St.
Wong, (Mrs.) Akiau O., 1042 11th Ave.
Wong, Alice S. K., 3417 Pauoa Ave.
Wong, (Mrs.) Anna A., 1625-E Liliha St.
Wong, Arthur Y., 1233-F Iao Lane
Wong, Daisy H., 1436-C Lunaiilo St.
Wong, Eleanor A., 1757 Fort St.
Wong, (Mrs.) Elizabeth, 919 9th Ave.
Wong, (Mrs.) Ella S., 1226 9th Ave.
Register of Students

Wong, Elsie, 2026 Uhu St.
Wong, (Mrs.) Eva F., 1753 Huna Lane
Wong, (Mrs.) Mabel Y. L., Box 1491, Honolulu
Wong, Oy Cum, 927 8th Ave.
Wong, Robert B., 321-J Pohala Lane
Wong, (Mrs.) Rose G., 1920 Lanakila Rd.
Wong, (Mrs.) Ruth C., 1425 Emma St.
Wong, Susan C., 1032 Koko Head Ave.
Wongwai, Katherine Y., 2048 S. Beretania St.
Woo, Victoria, 1041 Koko Head Ave.
Wood, (Mrs.) Nadine E., 2421-F Ala Wai Blvd.
Wun, En Yin, 2416 Puunui Ave.
Wun, Violet Tam, 825 19th Ave.
Yamamoto, Ruth S., 3412 Wela St.
Yap, Eugene, 3465 Waialae Rd.
Yap, Fook Gin, 1139 Lunalilo St.
Yap, Maud T. L., 1614 Leilehua Lane
Yap, Mollie M., 1646-F Liholiho St.
Yap, Rachel L. K., 3465 Waialae Ave.
Yee, Ken, 810 Birch St.
Yee, Mary K., 2735 S. King St.
Yim, Emma C., 1625-D Liliha St.
Yim, (Mrs.) Sarah Ne, Kohala, Hawaii; 1925 Fort St.
Yim, (Mrs.) Tillie, 2111 Momi Way
Young, Eleanor T., 3133 Waialae Rd.
Young, Eleanor W. K., 3624 Pahoia Ave.
Young, Emma S. K., 1901 Fort St. (Withdrew)
Young, (Mrs.) Ethel C., 1344 Moi Rd.
Young, Helen, 925 Hookipa Way; Box 3402, Honolulu
Young, Leong, Navy Yard, Pearl Harbor, T. H.
Young, Michie H., Wahiawa School, Wahiawa
Zane, Lily L., 1117 10th Ave.
Zane, Ruth S., 1066 Young St.
SUMMARY OF STUDENTS

Graduate Division Candidates for Degrees.............. 115

College of Arts and Sciences:
  Seniors ........................................ 117
  Juniors ...................................... 92
  Sophomores .................................. 111
  Freshmen .................................... 160
    480

College of Applied Science:
  Seniors .................................... 74
  Juniors .................................... 88
  Sophomores ................................ 94
  Freshmen ................................... 153
    409

Teachers College:
  Fifth Year .................................. 14
  Seniors .................................... 99*
  Juniors .................................... 74
  Sophomores ................................ 53
  Freshmen ................................... 46
    286

Total Degree Candidates .................................. 1290
  Deduct Counted Twice ................................ 6
    1284

Graduate Division, Not Candidates for Degrees.... 123
  Unclassified Students† ................................ 540
    1947

Total Credit Students .................................. 1947
  Students Not Working for Credit ...................... 154

  Grand Total ................................... 2101

Summer Session, 1932 ................................... 973

* 37 Teachers in Service; 3 withdrawals.
† See note, page 35.
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(Summer Session and Non-Credit Students Not Included)

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