UNIVERSITY OF HAWAII
HONOLULU, HAWAII
UNIVERSITY OF HAWAII
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CATALOGUE
AND
ANNOUNCEMENT
OF COURSES
1934 - 1935

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UNIVERSITY OF HAWAII
Honolulu
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CALENDAR
1934-1935

1934
June 5  Twenty-third Annual Commencement.  Tuesday
June 25  Summer Session begins.  Monday
August 1  Last day for receiving applications for admission, Fall Semester.  Wednesday
August 3  Summer Session closes.  Friday
September 5-6  “Freshman Week.”  Wed.-Thurs
September 7-8  Registration, Twenty-seventh Annual Session.  Fri.-Sat.
September 10  Instruction begins.  Monday
November 11  Armistice Day.  Sunday
(celebrated Mon.)

Nov. 29-Dec. 1  Thanksgiving Recess.  Thurs.-Sat.
December 22  Christmas Recess begins.  Saturday
(at noon)

1935
January 7  Work resumed.  Monday
January 18-24  Mid-year examinations.  Fri.-Thurs.
January 29  Registration, Second Semester.  Tuesday
February 22  Washington’s Birthday.  Friday
April 19-20  Good Friday Recess.  Fri.-Sat.
May 3  Thirteenth Annual Contest for Berndt Prize.  Friday
May 25-31  Final Examinations.  Sat.-Fri.
June 4  Twenty-fourth Annual Commencement.  Tuesday
August 1  Last day for receiving applications for admission, Fall Semester.  Thursday
September 4-5  “Freshman Week.”  Wed.-Thurs.
September 6-7  Registration, Twenty-eighth Annual Session.  Fri.-Sat.
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 7 to January 24, the second semester from January 29 to May 31, and the 1934 summer session is from June 25 to August 3.

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 5-6. Entrance examinations, consultations with officers and instructors, and introductory lectures occupy the “week.”

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

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

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

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

BOARD OF REGENTS.—The affairs of the University are under the control of a Board of Regents, which is composed of seven members, five of whom are appointed by the Governor of Hawaii for a term of five years, and two are ex-officio, the President of the Board of Agriculture and Forestry and the President of the University.

* See Page 33.
THE BOARD OF REGENTS

George II Brown (1925)*
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Arthur Lyman Dean (1932)
Alexander & Baldwin, Ltd., Honolulu

Carl A. Farden (1933)
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1434 Punahou Street, Honolulu

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Secretary: David L. Crawford

* The figure in parenthesis after the name indicates the year in which service began.
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2355 Oahu Ave.

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2456 Oahu Ave.

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3041 Oahu Ave.

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2610 Upper Manoa Rd.

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2010 Hunnewell St.

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1911 Keeaumoku St.

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2328 Seaview Ave.

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2346 Liloa Rise

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Moana Hotel

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2456 Oahu Ave.

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2610 Upper Manoa Rd.

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1450 Kewalo St.

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2347 Parker Pl.

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2557 Parker Pl.

J. M. Westgate, M.S., Director of Hawaii Agricultural Experiment Station
Expt. Station Reservation, Tantalus Rd.
COMMITTEES OF THE FACULTY
(1933-34)


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


Student Aid: L. N. Bilger, (Chairman), Wm. Meinecke, G. J. Peavey, L. H. Jarrett, L. R. Killam.


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.

ART:

HUC-MAZELET LUQUIENS, B.F.A., Assistant Professor of Art, (1924)
1646 Bingham St.

HENRY H. REMPEL, B.Ed., Instructor in Art, (1929)
B.Ed., Univ. California at Los Angeles, 1928; Graduate Study, Munich, 1931; Vienna, 1932.
2143 Mohala Way

BOTANY:

HAROLD ST. JOHN, Ph.D., Professor of Botany, (1929)
2365 Oahu Ave.

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

ROSS S. BEAN, B.S., Assistant Professor of Botany, (1927)
B.S., Brigham Young Univ., 1921; Graduate Study, Univ. California, 1925-1927.
Absent on leave 1933-34.

CONSTANCE HARTT, Ph.D., Assistant Professor of Botany, (1933)
A.B., Mount Holyoke College, 1922; S.M., Univ. Chicago, 1924; Ph.D., Univ. Chicago, 1928.
1911 Keeauumoku Street

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2630 Doris Pl.
University of Hawaii

F. RAYMOND FOSBERG, B.A., Assistant in Botany, (1932)
B.A., Pomona College, 1930.
2365 Oahu Ave.
Dean Hall 200 A

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WILLIAM H. TAYLOR, B.A., Instructor in Commerce, (1931)
Absent on leave 1933-34.

†SCOTT BRAINARD, Lecturer in Insurance, (1933)
2532 Malama Way

†J. J. DELPECH, C.P.A., Lecturer in Accounting, (1933)
2726 Laniloa Rd.

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
Hawaii Hall 118
CHARLES H. NEIL, M.A., Associate Professor of English, (1921)
B.A., Univ. South Carolina, 1903; M.A., Yale Univ., 1930.
1525 B Wilder Ave.
Hawaii Annex 16 B
GREGG M. SINCLAIR, M.A., Associate Professor of English, (1928)
2979 Kalakaua Ave.
Hawaii Annex 16 A
LAURA V. SCHWARTZ, Ph.D., Assistant Professor of English, (1924)
Courtland Hotel
Hawaii Annex 15
ARTHUR E. WYMAN, B.S., Assistant Professor of Dramatic Art, (1930)
B.S., Dartmouth, 1911.
Pacific Club
Farrington Hall
N. B. BECK, M.A., Assistant Professor of English, (1928)
Niu
Hawaii Hall 101

† On a part time basis.
CARL G. STROVEN, M.A., Instructor in English, (1927)
2130 Lanihuli Dr. Hawaii Annex 13

THOMAS BLAKE CLARK, M.A., Instructor in English, (1930)
Absent on leave 1933-34.

WILLARD WILSON, M.A., Instructor in English, (1930)
Mohala Way Hawaii Annex 11

GEORGE J. PEAVEY, M.A., Instructor in English, (1930)
A.B., Univ. Denver, 1924; M.A., Univ. Hawaii, 1931.
301-A Saratoga Rd. Hawaii Annex 11

MURIEL J. BERGSTROM, M.A., Instructor in English, (1931)
Moana-Seaside Hotel Hawaii Annex 14

†VIOLET L. CHESTER, M.A., Instructor in English, (1932)
Fort Shafter

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

LORNA H. JARRETT, M.A., Assistant Professor of Geography, (1931)
Diploma, Territorial Normal and Training School, 1913, 1925; Univ. California; B.S., Teachers College, Columbia Univ., 1927; M.A., Univ. Hawaii, 1930.
2356 Oahu Ave. T. C. 114

GERMAN:
MARIA HÖRMANN, B.A., Instructor in German Language, (1927)
Staatsexamen fur Hohere Tochterschulen, Berlin, Germany, 1906; B.A., Univ. Hawaii, 1923.
1036 Green St. Hawaii Hall 210

HELENE BERG PERKINS, B.A., Instructor in German Language, (1932)
B.A., Univ. Hawaii, 1931.
2373 Hoomaha Way Hawaii Hall 210

HAWAIIAN:
JOHN H. WISE, Professor of Hawaiian Language, (1926)
Oberlin College, 1890-1898.
1910 Fort St. Hawaii Hall 206 A

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

† On a part time basis.
PAUL S. BACHMAN, Ph.D., Assistant Professor of Political Science, (1927)
1711 Koanaini Way

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.
2514 Alaula Way

JALMER HALLS, B.A., Teaching Fellow in Political Science and History, (1932)
Pleasanton Hotel

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, Peking, China, 1913; A.B., Yale Univ., 1917; M.A., Columbia Univ., 1918.
816 Tenth Ave.

TADAO Kunitomo, M.A., Instructor in Japanese Language, (1929)
Graduate Aoyama Gakuin College, Japan, 1918; M.A., Oberlin, 1923. Absent on leave 1933-34.

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1548 Young St.

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B.A., Univ. Hawaii, 1931; Graduate Study, Univ. Hawaii, 1932; Waseda Univ., Tokyo, Japan, 1933.
1822 Nuuanu Avenue

PHILOSOPHY:
PENG-CHUN CHANG, Ph.D., Visiting Professor of Philosophy and Lecturer at the Honolulu Academy of Arts, (1933)
B.A., Clark Univ., 1913; M.A., Columbia Univ., 1915; Ph.D., Columbia Univ., 1924. Secretary to the Chinese Educational Commission to the United States, 1920; Professor of Education and Philosophy, Nankai University.
1612 Dole Street
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

†WILLIAM A. GABRIELSON, Lecturer in Police Administration, (1933)
Makiki Hotel

POLITICAL SCIENCE (See History):

PSYCHOLOGY:

THAYNE M. LIVESAY, Ph.D., Professor of Education and Psychology, (1924)
2610 Upper Manoa Rd. Hawaii Hall 117

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, 1928.
Donna Hotel Teachers College 114

ROMANCE LANGUAGES (French, Spanish, Portuguese):

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

DENZEL CARR, Ph.M., Instructor in Romance Languages, (1933)
Univ. Oklahoma; Kosciuszko Scholar, 1929-1932; Ph.M., Univ. Cracow, 1932; American Council of Learned Societies' Research Fellow, Sinologisch Institut, Univ. Leiden, Holland, 1932-1933; Member of Polish Academy of Sciences, Polish Oriental Society, Romanization Committee of the International Institute of Intellectual Cooperation (League of Nations), Paris.
2129 Kamehameha Avenue Hawaii Annex 12

†JOHN E. AGUIAR, M.A., Instructor in Romance Languages, (1933)
1840 Anapuni Street Hawaii Hall 202

SOCIOLOGY:

ROMANZO ADAMS, Ph.D., Professor of Sociology, (1920)
A.B., Univ. Michigian, 1897; M.A., Univ. Michigian, 1898; Ph.D., Univ. Chicago, 1904.
2315 Liloa Rise Library 4

ANDREW W. LIND, Ph.D., Assistant Professor of Sociology, (1927)
2979 Kalakaua Ave. Library 4

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EDGAR T. THOMPSON, Ph.D., Instructor in Sociology, (1932)
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257 Ohua Ave. Library 4

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Formerly Director of Social Service Bureau, Honolulu.
2289 Kamehameha Ave. Library 4

†NELL FINDLEY, M.A., Lecturer in Sociology, (1933)
Graduate San Francisco State Teachers College, 1907; New York School of Social Work, 1921-22; M.A., Univ. Hawaii, 1933; 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

ZOLOGY:
CHARLES H. EDMONDSON, Ph.D., Professor of Zoology, (1920)
Ph.B., Univ. Iowa, 1903; M.S., Univ. Iowa, 1904; Ph.D., Univ. Iowa, 1906.
2019 Vancouver Highway Dean Hall 102

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

JENS M. OSTERGAARD, Instructor in Zoology, (1920)
1814 Poki St. 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)
Pleasanton Hotel Dean Hall 101

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

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

‡ Retired.
† On a part time basis.
HAROLD A. WADSWORTH, B.S., Associate Professor of Agriculture, (1925)
2236 Hyde St. Hawaii Hall 2 A

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B.S., Univ. California, 1918; Ph.D., Univ. California, 1923; Geneticist, P.P.C.A. Experiment Station.
1920 Hunnewell St. P.P.C.A. Station

J. M. WESTGATE, M.S., Lecturer in Agronomy and Tropical Agriculture, (1929)
B.S., Univ. California, 1918; Ph.D., Univ. California, 1923; Geneticist, 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

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. 2142 Lanihuli Dr. Hawaii Hall 3

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

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

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.
2512 E. Manoa Rd. Gartley Hall 214

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. California, 1929-1929.
2328 Seaview Ave. Gartley Hall 201

GIICHI 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., 1908; LL.B., National Univ., 1908; S.M.C.E., Harvard Univ., 1916; M.S., Massachusetts Institute of Technology, 1916.
2456 Oahu Ave. Hawaii Hall 110 Engin. 21
University of Hawaii

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.
945 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. Engin. 15

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.
1450 Kewalo St. Dean Hall 4

HOME ECONOMICS:
CAREY D. MILLER, M.S., Associate Professor of Foods and Nutrition, (1922)
A.B., Univ. California, 1917; M.S., Columbia Univ., 1922; Graduate Study, Yale Univ., 1928-1929.
2927 Kaaipu St. Nutrition Lab.

ANNA B. DAHL, Assistant Professor of Textiles and Design, (1917)
Formerly head of Vienna School of Costume Design, San Francisco; Exposition of the New Applied Art, Paris, France; Viennet School of Design, Paris, France, 1926.
268 Beach Walk Hawaii Hall 119

KATHERINE BAZORE, M.A., Assistant Professor of Home Economics, (1929)
B.S., Ohio State Univ., 1917; M.A., Teachers College, Columbia Univ., 1926.
Niumalu Hotel Hawaii Hall 208

HEDWIG S. OTREMBA, B.S., Instructor in Home Economics, (1931)
B.S., Teachers College, Columbia Univ., 1928; Graduate Study, Columbia Univ.
2659 Oahu Ave. Hawaii Hall 119

JANA GLENN, B.S., Assistant in Home Economics, (1932)
B.S., Univ. Hawaii, 1932.
2379 Liloa Rise Hawaii Hall 202

FRANCES E. FIELD, Assistant in Home Economics, (1933)
Diploma, Territorial Normal and Training School, 1928.
2745 Oahu Ave. Cafeteria

†ADA BEATRICE ERWIN, B.S., Lecturer in Home Economics
2627 Kaaipu St. Nutrition Lab.

† On a part time basis.
Faculty

†AMY MacOWAN, M.A., R.N., Lecturer in Child Hygiene
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.

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

MATHEMATICS:
JOHN S. DONAGHHO, M.A., Professor of Mathematics and Astronomy, (1908)
B.A., Marietta College, 1889; M.A., Marietta College, 1897.
961 Alewa Dr. Hawaii Annex 6

ELVIN ALBERT HOY, B.S., Instructor in Engineering and Mathematics, (1930)
B.S., Oregon State Agricultural College, 1925.
Absent on leave 1933-34.

RUTH L. T. YAP, M.A., Instructor in Mathematics, (1928)
3465 Waialae Ave. Hawaii Annex 6

PHYSICS:
WILLARD H. ELLER, Ph.D., Assistant Professor of Physics, (1928)
B.S., Univ. California, 1914; M.S., Univ. Washington, 1925; Ph.D., Univ. California, 1928.
3169 Oahu Ave. Gartley Hall 102

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2466 Oahu Ave. Gartley Hall 102

IWAO MIYAKE, M.S., Instructor in Physics, (1927)
B.S., Univ. Hawaii, 1926; M.S., Univ. Hawaii, 1929; Graduate Study, Univ. California, 1929.
2032 Bingham St. Gartley Hall 102

SUGAR TECHNOLOGY: (See Chemistry)

TEACHERS COLLEGE
Dean: Benjamin O. Wist, M.A.

BENJAMIN O. WIST, M.A., Professor of Education, (1931)
2128 Oahu Ave. T. C. 121

† On a part time basis.
THAYNE M. LIVESAY, Ph.D., Professor of Education and Psychology, (1924)
2610 Upper Manoa Rd. T. C. 119 A

EPHRAIM V. SAYERS, Ph.D., Professor of Education, (1931)
2211 Mohala Way T. C. 119 B

FRED E. ARMSTRONG, M.S., Associate Professor of Agricultural Education, (1926)
B.S., Clemson College, 1916; M.S., Univ. Minnesota, 1921; Graduate Study, Univ. Minnesota, 1932-1933.
2013 Lanihuli Dr. T. C. 213½

WILLIAM McCLUSKEY, Associate Professor of Education and Director of Training, (1931)
Diploma, Goderich Model School, 1889; Diploma, Supervision of Instruction, Teachers College, Columbia Univ., 1912.
1698 Mott-Smith Ave. T. C. 213½

FRANCIS E. PETERSON, Ph.D., Associate Professor of Education, (1931)
B.A., Luther College, 1909; M.A., Univ. Wisconsin, 1916; Ph.D., Columbia Univ., 1931.
3034 Manoa Rd. T. C. 102

IDA J. CARO, M.A., Assistant Professor of Education and Principal, Elementary School, (1931)
Certificate, Lewiston State Normal School; Diploma, San Jose State Teachers College, Columbia Univ., 1918; Univ. California; Univ. Chicago; B.S., Diploma Supervisor in Normal Schools, Teachers College, Columbia Univ., 1927; M.A., Univ. Hawaii, 1929.
2337 Liloa Rise T. C. Elem. Sch. 204

WILLIS B. COALE, Ph.D., Assistant Professor of English, (1931)
1329 Highview Pl. T. C. 114

MADORAH E. SMITH, Ph.D., Assistant Professor of Education, (1931)
A.B., Fargo College, 1907; Lenox College; Univ. Washington; M.A., State Univ. Iowa, 1918; Ph.D., State Univ. Iowa, 1925.
Donna Hotel T. C. 114

JESSE A. TANNER, Ph.D., Assistant Professor of Education, (1931)
1221 Matlock Ave. T. C. 114

ELIZABETH D. W. BROWN, Ph.D., Instructor in Natural Science, (1931)
B.A., Maryville College, 1905; M.A., Maryville College, 1911; B.A., Univ. Michigan, 1908; M.S., Univ. Michigan, 1909; Ph.D., Univ. Michigan, 1912; Biological Laboratory, Woods Hole; Cornell Univ.; Yale Univ.
1714 Beckley St. T. C. 214
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THE UNIVERSITY OF HAWAI'I

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

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

HISTORY

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

After a few years the institution was moved to its present site in Manoa Valley. With the addition of a College of Arts and Sciences in 1920, the name of the institution was changed to the University of Hawaii. In 1931 the Graduate School of Tropical Agriculture was organized, and during the same year the Teachers College was added as a result of the consolidation of the Territorial Normal School with the University School of Education.

The Territorial Normal and Training School was founded in 1896. During the major part of its existence, it was located at the intersection of Emerson, Lunalilo and Quarry streets. In 1930 the school was moved to two new buildings adjoining the campus of the University. The property of the Territorial Normal and Training School was placed under the control of the Board of Regents of the University when the two institutions were affiliated in 1931.

ORGANIZATION

The University comprises a College of Applied Science, a College of Arts and Sciences, a Teachers College, a graduate division which includes the Graduate School of Tropical Agriculture, 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 Pineapple Producers Cooperative Association.

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

The Pineapple Producers Cooperative Association has affiliated its experiment station with the University, all the expense of this station being borne by the Association. The field work is carried on largely at Wahiawa, the heart of the pineapple country, while the laboratory and technical investigations are conducted adjoining 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 is made each year to the Uni-
versity 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 cen-
ter of Honolulu. The principal buildings on the campus are Hawaii
Hall, Gartley Hall, Dean Hall, the Library, the Teachers College,
Farrington Hall, the Engineering Quadrangle 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. Farrington Hall is used as
an auditorium and is well equipped for dramatic work. The engineer-
ing laboratories and classrooms are located in the five one-story con-
crete buildings which compose the Engineering Quadrangle.

The Library, which contains approximately 60,000 volumes and
255,000 pamphlets, is a depository for government publications. Ex-
tensive collections of Chinese and Japanese works, catalogued in En-
lish, 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. A baseball diamond, drill field, and a large
amphitheater are now being constructed.

Other buildings connected with the University include the R. O.
T. C. Building, Hawaii Hall Annex, which houses the Psychological
Clinic and the offices of the English department, the Nutrition Lab-
oratory, the Entomology Building, the Student Union Building, the
Marine Biological Laboratory at famous Waikiki Beach, and the ast-
ronomical 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 Ha-
waiian 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 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, 60).

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 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.

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

* Credit in entrance for languages will not be granted unless at least 2 units in some one language are offered.
Credits and Grade Points

Courses as Special Students. Special Students attend classes and take part in the courses for which they are registered but they do not receive university credit for the work done.

ADMISSION OF AUDITORS

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

ADMISSION OF GRADUATE STUDENTS

Graduates of an accredited collegiate institution may be admitted as Graduate Students and candidates for an advanced degree. Requirements governing this are stated in more detail on pages 39-41.

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 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.

* Courses which Auditors may attend are designated in the catalog by an asterisk (*).
INDEPENDENT STUDY AND SPECIAL HONORS

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

MILITARY TRAINING

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

PHYSICAL EDUCATION

All first and second year students under 25 years of age who are carrying 10 or more credits are required to take physical education. A medical and physical examination must be taken 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 earned a minimum of 30 semester hours in residence, and in addition have either (a) been in full attendance at the University during the year just preceding the granting of the degree (full attendance being understood as a minimum of 14 semester hours per semester) or (b) earned a minimum total of 24 residence credits during any four of five consecutive summer sessions just preceding the granting of the degree, or (c) earned a minimum total of 24 residence credits by carrying not less than 2 semester hours per semester and 6 semester
Degrees

hours per summer session in any three of four consecutive years just preceding the granting of the degree.

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

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

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

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

PREPARATION FOR PROFESSIONAL DEGREES

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

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

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

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

<table>
<thead>
<tr>
<th>REQUIRED SUBJECTS</th>
<th>SEMESTER HOURS</th>
<th>UNIVERSITY OF HAWAII EQUIVALENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>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: History, Language, Economics</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Subjects strongly urged</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

OTHER SUGGESTED ELECTIVES

English (additional), economics, history, sociology, political science, logic, mathematics, drawing, Latin, Greek.
Students preparing for schools of law or theology may obtain the degree of B.A. by satisfactorily completing three years of work in the University of Hawaii, and one year in an approved school of law or theology.

**SUMMER SESSION**

The Summer Session of the University is attracting widespread interest and increasing numbers of students. Designed primarily for the benefit of 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 fee of $5.00 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 1934 Summer Session, June 25 to August 3, will be sent upon request. The Volcano School will be in session from June 18 to July 27, 1934.

**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
Advanced Degrees

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 all fields 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 Pineapple Producers Cooperative Association, 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 65. 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 specials, auditors, Summer session, and extension students, taking a program of less than 10 credit hours, pay a tuition fee of $5.00 a credit hour.

In addition to the tuition fee, a registration fee of $10.00 a semester is charged all regular students carrying 10 or more credit hours.

No refunds will be made after the two weeks interval following the announced registration days. During this period, changes of schedule or withdrawal may be made without penalty or forfeiture. Late registrants will be charged a fee of $1.00.
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.

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 together with the evening meal (except Sundays) is $23.00 per month or $95.00 per semester. Breakfasts and lunches are not included in this rate but may be had at the University Cafeteria at a very reasonable rate. Accommodations for 30 women are available in the University wing of the Mid-Pacific Dormitory adjoining the University Campus. The rate here is $22.50 per month including two meals daily. A number of student boarding houses 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 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.

**STUDENT AID**

The Committee on Student Aid handles all matters pertaining to scholarships, student loan funds, and part-time employment for both
Scholarships

men and women. A list of rooms and approved residences for both men and women is kept in the committee headquarters, Room 212, Hawaii Hall.

SCHOLARSHIPS, LOANS, AND PRIZES

The University offers financial aid in the forms of scholarships and loans. Some scholarships are available only to persons named by the donors, but most of them are awarded by the committee on Student Aid. Unless otherwise specified, 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 committee on Student Aid at any time during the year.

SCHOLARSHIPS

Associated Women Students—Two scholarships of $50 each are 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.

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.

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

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

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

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

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

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

Phi Beta Kappa—A scholarship of $100 is 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 pay fully their educational expenses.

Ruth C. Scudder—A scholarship is awarded to a deserving woman student from a memorial fund maintained by the Woman's Society of Central Union Church.
Stephen Spaulding—The income of an endowment of $2,500, given by Florence Tucker Spaulding in memory of her son, Stephen Spaulding, ex-1927, is awarded as a scholarship to a male student.

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

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

**LOAN FUNDS**

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

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

The **Representatives Club Fund** is 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** is available to needy students of Junior or Senior standing.

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

The **Zonta Club** of Honolulu provides an annual loan-scholarship of $100 for a regular woman student above Freshman rank.
Loans and Prizes

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

The Associated Women Students Loan Fund provides small loans to women students for short periods of time.

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

PRIZES

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

Banks Memorial Prize—The Charles Eugene Banks Memorial Prize is awarded yearly to the student who shows the most ability in creative writing, 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 33 and 34 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 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

FIRST YEAR

<table>
<thead>
<tr>
<th>Semester Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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></td>
<td>17-18</td>
</tr>
</tbody>
</table>

SECOND YEAR

<table>
<thead>
<tr>
<th>Semester Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 130</td>
<td>3</td>
</tr>
<tr>
<td>Science*</td>
<td>3 or 4</td>
</tr>
<tr>
<td>Modern Language†</td>
<td>3</td>
</tr>
<tr>
<td>Mil. Sc.</td>
<td>2</td>
</tr>
<tr>
<td>Phys. Ed.</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td>6-12</td>
</tr>
<tr>
<td></td>
<td>16-18</td>
</tr>
</tbody>
</table>

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. 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 150, 151
- Sociology 150, 151
- Psychology 150

Third and Fourth Years:
- History 204, 242, 243, 244, 245, 253, 254, 276, 277, 310, 311, 327
- Geography 252, 253, 300
- Political Science 200, 256, 261, 266, 271, 273, 330.
- Economics 250, 261, 265, 270, 276, 281, 285, 300
- Psychology 252, 280
- Oriental Studies 224, 225, 228, 241, 254, 255
- Police Administration 251, 252, 254, 255

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 254, 255.

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 37.

First and Second Years:
- Chemistry 101, 102, 150, 152, 153, 161
- Botany 101, 102, 106, 151, 155, 156, 158, 160, 161, 162
- Zoology 150, 151, 160, 170, 172, 173, 174, 175, 180, 181
- Mathematics 104, 106, 149, 150, 151, 152, 153
- Physics 102, 150, 151, 153, 155, 157

Third and Fourth Years:
- Chemistry 211, 212, 213, 215, 216, 217, 230, 240, 260, 261, 262, 263, 318
- Botany 200, 210, 253, 254, 256, 258, 260, 263, 265, 267, 268, 269, 300, 301
- Zoology 210, 251, 253, 254, 255, 257, 260, 261, 262, 270, 291, 300
- Mathematics 250, 252, 253, 254, 255, 270, 271, 272, 273, 274, 275
- 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, History, and Geography. 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) International Economics and Trade, (d) Accounting, and (e) General Economics. Each of these fields comprises in addition to a liberal allowance of elective credit hours a group of required courses so selected as to present a general survey of economics and business and a considerable degree of specialization in the field concerned. Students who are undecided as to their future business connections will register in Economics. In addition to the above programs of study, a special program designed to meet the need of women who plan to enter the field of business is offered.

PROGRAMS OF STUDY IN ECONOMICS AND BUSINESS

FIRST YEAR

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

SECOND YEAR

English 130
Modern Language (Continued)
Economics 150, 151
Business 150-151 or 152-153 (not required for General Economics program)

THIRD AND FOURTH YEARS

BUSINESS MANAGEMENT AND FINANCE

Business 250-251 or 252-253, 255, 260-261, 264, 265, 266, 267, 270-271, 291
Economics 260, 261, 265, 281
English 201.

MERCHANDISING

Art 274
Business 259, 260-261, 264, 270-271, 273, 276, 280
Economics 260, 261, 270, 273
English 201

INTERNATIONAL ECONOMICS AND TRADE

Business 260-261, 264, 270-271, 275
Economics 250, 260, 265, 273, 285
English 201
Geography 252, 255.

ACCOUNTING

Economics 260
English 201
University of Hawaii

GENERAL 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)
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. Candidate 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
University of Hawaii

animals to soil, climate, and surroundings. The method is by labora-
tory 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 parti-
cular crops and problems are studied later.

The outline of courses for the first year is the same for all stu-
dents 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>Agriculture 256</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></th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics 102</td>
<td></td>
</tr>
<tr>
<td>English 120 or 130</td>
<td></td>
</tr>
<tr>
<td>Military Science and</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>THIRD YEAR</th>
<th></th>
</tr>
</thead>
</table>
| No required courses, ex-
|   cept that major require-
|   ments must be satisfied.|

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 pro-
gram 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 him-
self for further work in soil or plant science. Students who are in-
terested 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 ............................... 16</td>
</tr>
<tr>
<td>(Not including general courses) ............................... 16</td>
</tr>
<tr>
<td>Free electives—either agricultural courses in other than major</td>
</tr>
<tr>
<td>branch or general electives ............................... 40*</td>
</tr>
<tr>
<td>Total requirement ............................................ 136</td>
</tr>
</tbody>
</table>

Students specializing in agricultural education to fit themselves
for service under the Smith-Hughes Act of Congress should take cer-
tain courses in education as advised by the Advisor and Dean. Stu-
dents 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.
ENGINEERING

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

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

REQUIRED COURSES

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

SECOND YEAR
- Civil Engineering 125
- Civil Engineering 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.) 253
- Physics 250, 253
- Economics 150, 151

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 industry. Although these courses, since they prepare for one particular industry, might be termed highly specialized, the importance of a sound training in general science has not been overlooked. In the
third and fourth years enough special instruction in subjects per-
taining 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 plant-
tation, and yet not have his future progress hampered by an inade-
quate 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 thor-
ough 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 chem-
istry than is any other branch of agriculture. Sugar analysis is also
required, as familiarity with this work is often required of an agri-
cultural chemist. The lectures on cane sugar manufacture are re-
quired 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 fol-
lows 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 con-
nection 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 Ex-
periment Station of the Hawaiian Sugar Planters' Association, and
those in the Sugarhouse Engineering Division serve as special ap-
prentices in the factory of one of the plantations, where they actu-
ally 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.
### REQUISITE COURSES

<table>
<thead>
<tr>
<th>AGRICULTURAL DIVISION</th>
<th>CHEMISTRY DIVISION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST YEAR</strong></td>
<td></td>
</tr>
<tr>
<td>Botany 101</td>
<td>Botany 101</td>
</tr>
<tr>
<td>Chemistry 101 or 102</td>
<td>Chemistry 101 or 102</td>
</tr>
<tr>
<td>Mathematics 150, 151*</td>
<td>Mathematics 150, 151*</td>
</tr>
<tr>
<td>English 100 or 102</td>
<td>English 100 or 102</td>
</tr>
<tr>
<td>Drawing, M. D. 101</td>
<td>Drawing, M. D. 101 or Art 154, 155, or Art 150, 151</td>
</tr>
<tr>
<td>Military Science</td>
<td>Military Science</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SECOND YEAR</strong></td>
<td></td>
</tr>
<tr>
<td>English 120 or 130</td>
<td>English 120 or 130</td>
</tr>
<tr>
<td>Chemistry 150, 151</td>
<td>Chemistry 150, 161</td>
</tr>
<tr>
<td>Physics 102</td>
<td>Physics 102</td>
</tr>
<tr>
<td>Civil Engineering 101</td>
<td>Military Science</td>
</tr>
<tr>
<td>Military Science</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>THIRD YEAR</strong></td>
<td></td>
</tr>
<tr>
<td>Agriculture 250, 251, 254, 256</td>
<td>Agriculture 250, 251</td>
</tr>
<tr>
<td>Sugar Technology 201, 253</td>
<td>Sugar Technology 201, 253</td>
</tr>
<tr>
<td></td>
<td>Chemistry 230</td>
</tr>
<tr>
<td></td>
<td>Agriculture 254, 256†</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>FOURTH YEAR</strong></td>
<td></td>
</tr>
<tr>
<td>Agriculture 252</td>
<td>Agriculture 252</td>
</tr>
<tr>
<td>Sugar Technology 250, 252, 255</td>
<td>Sugar Technology 250, 252</td>
</tr>
<tr>
<td>Economics 150</td>
<td>Economics 150</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>A summer course (Sugar Technology 253) must be taken in the field during the summer period following the Junior year.</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
</tbody>
</table>

### SUGAR-HOUSE ENGINEERING DIVISION

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>THIRD YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 101 or 102</td>
<td>Civil Engineering 252, 253, 255</td>
</tr>
<tr>
<td>Mathematics 104</td>
<td>Mechanical Engineering 282</td>
</tr>
<tr>
<td>Mechanical Drawing 101</td>
<td>Engineering Laboratory (X.E.) 253</td>
</tr>
<tr>
<td>Civil Engineering 101</td>
<td>Sugar Technology 201, 253</td>
</tr>
<tr>
<td>English 100 or 102</td>
<td>Chemistry 230</td>
</tr>
<tr>
<td>Military Science</td>
<td>Physics 250, 253</td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>SECOND YEAR</td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineering 150</td>
<td></td>
</tr>
<tr>
<td>Mathematics 106</td>
<td></td>
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<tr>
<td>Physics 150, 151</td>
<td></td>
</tr>
<tr>
<td>Chemistry 150, 152, 153</td>
<td></td>
</tr>
<tr>
<td>English 120 or 130</td>
<td></td>
</tr>
<tr>
<td>Military Science</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
</tr>
</tbody>
</table>

* Students who offer 3½ units of mathematics for entrance will not be required to take mathematics 160, 161, but will ordinarily be expected to elect mathematics 152, 153.

† Suggested electives.
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>Second Year</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>
</tr>
<tr>
<td>Household Science 150</td>
<td>Household Science 150</td>
</tr>
<tr>
<td>Art 150, 151</td>
<td>Art 150, 151</td>
</tr>
<tr>
<td>Household Art 110, 111</td>
<td>Household Art 110, 111</td>
</tr>
<tr>
<td>Household Art 112</td>
<td>Household Art 112</td>
</tr>
<tr>
<td>Household Art 150, 151</td>
<td>Household Art 150, 151</td>
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<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>†Botany 156</td>
<td>†Botany 156</td>
</tr>
<tr>
<td>†Geography 151</td>
<td>†Geography 151</td>
</tr>
</tbody>
</table>

**HOUSEHOLD ART**

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</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>Physical Education</td>
</tr>
</tbody>
</table>

† Suggested electives.
THIRD YEAR
Household Science 200
Home Economics 250
Chemistry 260, 262
Home Economics 252, 253
Zoology 291
Electives 6 to 9 credits each semester
†Sociology 150
†Chemistry 263

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

The total requirement of credits and grade points as stated on page 35 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 77), (4) Physics and Mathematics, (5) Pre-medical. During the last four semesters the student must devote the major part of his time to the subject selected and to closely related courses in the other subjects. To graduate he must earn at least 30 credit hours in his major subject, except in group (5) which requires at least 20 hours of Chemistry and 12 of Zoology.

Students who plan to specialize in Chemistry, Zoology, or Botany should have a working knowledge of German and French, since such

† Suggested electives.
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 37). 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.

Since September, 1933, students have not been admitted to Queens’ Hospital School for Nurses unless they have completed at least one year 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>
<th>†3rd and 4th Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geog. 150, 151</td>
<td>Phys. 102, 150, 151</td>
<td>Geol. 252, 253, 256</td>
</tr>
<tr>
<td>Drawing</td>
<td>Chem. 150, 152, 153, 161</td>
<td>Chem. 211, 212, 213, 215, 216, 217, 230, 260, 261, 262, 263, 318</td>
</tr>
<tr>
<td>Language</td>
<td>Geol. 252, 253, 256</td>
<td>Language</td>
</tr>
<tr>
<td>or Political Science</td>
<td>1st and 151</td>
<td>Sugar Tech. 201, 250, 252</td>
</tr>
<tr>
<td>or 150 and 151</td>
<td>or History 140</td>
<td>or Phys. 202, 250, 253, 254, 255, 257, 261, 351</td>
</tr>
<tr>
<td>or History 140</td>
<td>or M. E. 252, 253</td>
<td>or C. E. 231, 252, 255, 256</td>
</tr>
<tr>
<td>255</td>
<td></td>
<td>Geol. 255, 262</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.
### College of Applied Science

#### GROUP B

**BIOLOGICAL SCIENCES**

<table>
<thead>
<tr>
<th>1st Year</th>
<th>2nd Year</th>
<th>†3rd and 4th Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botany 101</td>
<td>Botany 102, 106, 155, 156, 162</td>
<td>Bot. 151, 158, 200, 210, 253, 254, 256, 258, 260, 263, 265, 267, 268, 269, 300, 301</td>
</tr>
<tr>
<td>Zoology 150, 151</td>
<td>Chem. 150, 152, 153, 161</td>
<td></td>
</tr>
<tr>
<td>Geography 150, 151</td>
<td>Geology 252, 253, 256</td>
<td>Chem. 216, 217, 230, 260, 261, 262, 263</td>
</tr>
<tr>
<td>Drawing</td>
<td>H. S. 102</td>
<td></td>
</tr>
<tr>
<td>Language</td>
<td>Physics 102</td>
<td>Zool. 210, 251, 253, 254, 255, 260, 261, 262, 270, 291, 300</td>
</tr>
<tr>
<td>or</td>
<td>Psychology 150</td>
<td></td>
</tr>
<tr>
<td>Political Science 150 and 151</td>
<td>Zoology 160, 161, 170, 172, 173, 174, 175</td>
<td>Agr. 250, 251, 254, 256, 261, 262, 261</td>
</tr>
<tr>
<td>Language</td>
<td>180, 181</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td>Geol. 255, 261</td>
<td></td>
</tr>
<tr>
<td>History 140</td>
<td>H. S. 200, 249, 251, 271, 250, 351</td>
<td>Econ. 150, 151</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physics 255, 257</td>
</tr>
</tbody>
</table>

**PUBLIC HEALTH NURSING**

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

Enrollment in this course is strictly limited and open only to those who are registered nurses. For detailed information about the course, send for a special announcement.

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* 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 leading to the Ed. B. degree is four years in length. A fifth, post-graduate, year of work is provided for students preparing for either elementary or secondary school teaching. The Five Year Diploma is granted to the fifth year student completing 30 credit hours of work, including probationary teaching and other required courses.

SERVICE TO TEACHERS IN THE FIELD

A program of professional preparation for teachers must include, along with courses for prospective teachers, courses for teachers in service. The Teachers College offers, through the 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 36, in addition to the following:

(1) A minimum of 130 semester hours of course work,
(2) A minimum of 264 grade points (see page 35), 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>10</td>
</tr>
<tr>
<td>Other Education Courses</td>
<td>25</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>
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>Sem. I</th>
<th>Sem. II</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 103</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Political Science 150</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Political Science 151</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Survey 100 or other Science</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Education</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education 100 or 101</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Military Science (men)</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Physical Education 135 (women)</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
<td>3</td>
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</tbody>
</table>

Total: 17

**SECOND YEAR**

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

Total: 17

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

* For descriptions of all courses offered in Teachers College see pages 127-136.
University of Hawaii

Kindergarten-Primary Curriculum

THIRD YEAR

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
<th>Sem. I</th>
<th>Sem. II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 280</td>
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<td>2</td>
<td></td>
</tr>
<tr>
<td>Education 282</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English 264</td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>English 265</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>English 270</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Geography 261</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Arithmetic 250</td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Health Education 220</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Music 251</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Art 261</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Practical Arts 251</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Practical Arts 270</td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
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<td>5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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<td>17</td>
<td>17</td>
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</tbody>
</table>

Elementary Curriculum

THIRD YEAR

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
<th>Sem. I</th>
<th>Sem. II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 285</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>English 264</td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>English 265</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>English 271</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Geography 261</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Social Science 271</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Arithmetic 250</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Health Education 222 or 223</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Music 250</td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Art 262</td>
<td></td>
<td>2</td>
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</tr>
<tr>
<td>Practical Arts 250</td>
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<td></td>
<td>2</td>
</tr>
<tr>
<td>Practical Arts 270</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>17</td>
<td>17</td>
</tr>
</tbody>
</table>

Secondary Curriculum

THIRD YEAR

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
<th>Sem. I</th>
<th>Sem. II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 250</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education 251</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Education 260</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education 261</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>English 237</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>17</td>
<td>17</td>
</tr>
</tbody>
</table>
General Fourth Year Curriculum

The program of work required of all fourth year students in Teachers College consists of two parts: (1) one semester of elective and recommended courses, (2) one semester of professional education courses. One half of part 2 above is devoted exclusively to practice teaching, the other half exclusively to certain basic education courses. While one-half of the class carries the elective academic program, the other half carries the professional education program, one group doing practice teaching while the second carries the required courses.

FOURTH YEAR

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Education 268</td>
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</tr>
<tr>
<td>Education 294</td>
<td>2</td>
</tr>
<tr>
<td>Education 293</td>
<td>2</td>
</tr>
<tr>
<td>Education 295</td>
<td>2</td>
</tr>
<tr>
<td>Education 254</td>
<td>8</td>
</tr>
<tr>
<td>Arithmetic 251 (Primary &amp; Elementary)</td>
<td>1</td>
</tr>
<tr>
<td>Nature Study 236 (Primary &amp; Elementary)</td>
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</tr>
<tr>
<td>Electives</td>
<td>15 - 18</td>
</tr>
<tr>
<td>Total</td>
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</tr>
</tbody>
</table>

General Fifth Year Curriculum

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

FIFTH YEAR

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Education 340</td>
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<td>Education 351</td>
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<td>Education 390</td>
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<td>Education 395</td>
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<td>Electives</td>
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</tr>
<tr>
<td>Total</td>
<td>16</td>
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</tbody>
</table>

MASTER OF EDUCATION DEGREE

Candidates for the degree of Ed. M. must have satisfied the essential requirements of the Ed. B. degree. The candidate must satisfactorily complete a graduate program of 30 semester hours and present an acceptable thesis and pass the required examinations. Credits earned in courses prescribed for the Five Year Diploma will, with the exception of Education 354 and 395, be accepted in partial fulfillment of requirements for the Ed. M. degree. The graduate course program should include the following: Three semester hours each in the philosophy of education, educational psychology, history of edu-
cation and contemporary education. The candidates special committee may, at its discretion, consider one or more of the above course requirements to have been met if the candidates undergraduate program has included substantial corresponding courses. In such cases, the special committee will authorize substitutions. All general requirements for advanced degrees (see page 39) will apply to the Master of Education degree.
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 candidate 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 pro-
gram 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
Henke
Several lectures on the agriculture of Hawaii. Designed to acquaint the student with the different fields of agriculture in the Territory with a view 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
Henke
A general study of the important breeds of horses, cattle, sheep, and swine, their feeding, care, and management. Lectures, assigned readings and laboratory work. Laboratory fee $1.00. Second semester, 3 credits.

152 Poultry Husbandry
Bice
An elementary course dealing with the anatomy of the digestive and reproductive systems, the genetics of egg production, and the principles of poultry husbandry. Two lectures and one laboratory per week. Laboratory fee $1.00. First Semester, 3 credits.

250 Soils
Wadsworth
The origin and physical properties of local soils, including a consideration of texture, structure, and moisture relations. Required of Juniors in Agriculture and Sugar Technology, Agriculture and Chemistry divisions. Prerequisites: Chemistry 101 or 102 and Physics 102. Three lectures or recitations and two laboratory periods each week. Laboratory fee $2.00. First semester, 5 credits.
251* Crops  
Wei tsgate  
A study of the history, botany, culture, and utilization of the leading tropical crops of the world as well as consideration of various economic problems arising in connection with the development of agriculture in the tropics. Required of Juniors in 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; offered in 1934-1935.)

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, Agriculture division. Second 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. Not open to Freshmen. Two lectures, one quiz. Laboratory fee $1.00. Second semester, 3 credits.

256 Principles of Agronomy  
Wilsie  
A study of the botany of crop plants and the principles underlying the economic production of field and garden crops. Consideration will be given to the gross morphology, systematic relationships and ecology of the more important species. The principles of crop production, crop rotation, and the maintenance of soil fertility will be studied.

Two lecture hours and one laboratory period per week. Laboratory fee $2.00. Prerequisites: Botany 101; Chemistry 101; Botany 102 and 106 desired. Required of all Juniors in Agriculture. First 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. (Not offered in 1934-1935).
258 Pineapple Field Practice  P.P.C.A. 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 Pineapple Producers' Cooperative 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 pages 51, 52. 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.

260 Pineapple Production  King

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  Collins

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  P.P.C.A. 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 Pineapple Producers' Cooperative 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.

264 Seminar in Animal Nutrition  Henke

A study of recent investigations in the field of animal nutrition. A major part of the course will be assigned topics on which the students will thoroughly review the literature on the subject and present reports to the class. Prerequisites: Agriculture 257 and sufficient training in chemistry. The consent of the instructor is required. One class meeting each week. (Offered in alternate years. Not offered in 1934-35). Second semester, 1 credit.

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.

ANTHROPOLOGY

200 Cultural Anthropology

Keesing

A study of the development of the culture of primitive peoples: primitive social organization, arts, and beliefs. First and second semesters, 3 credits each.

250 Polynesian Culture

Keesing

The culture of the Polynesians prior to the impact of Western civilization. First semester, 2 credits.

251 Social Change Among the Polynesians

Keesing

The culture of the Polynesians incident to contacts with Western civilization. Second semester, 2 credits.

ART

150-151 Art Structure

Rempel

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

This is a fundamental course, upon which all other courses are based, and is 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.

250-251 Art Appreciation and History

Schenck

A survey of the origin and development of the fine arts, dealing with painting, sculpture and architecture as reflections of the cultural forces at work in each of the great periods of history. The first semester is devoted to Ancient and Medieval Art with special emphasis on the art of Greece and French Gothic. The second semester covers, first, the development of art from the Renaissance to modern times, and second, Oriental art. These courses are open to all students of Junior standing. Lectures, lantern slides and museum trips. First and second semesters, 2 credits each.

Note: Owing to the absence of Mr. Schenck during the first semester of the scholastic year 1934-1935, these courses will be given,

* Dr. Felix M. Keesing, a new addition to the University staff in 1934-35.
Courses of Instruction

for this year only, in somewhat condensed form, as a single second semester course, with three lectures a week, 3 credits.

Crafts

175 Textile Decorations
Rempel
Advanced problems in tie dye, Batik, applique, etc. Prerequisites: Art 150-151. Second semester, 2 credits. (Not offered 1934-1935.)

276-277 Stage Craft and Costume
Rempel
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 headdresses, properties. Prerequisites: Art 150-151; 154-155. First and second semesters, 2 credits each. (Not offered 1934-1935.)

Design

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
Rempel
Creative conceptions of naturalistic forms. Prerequisites: Art 150-151, 154-155, 170. First semester, 2 credits. (Not offered 1934-1935.)

Drawing and Painting

154-155 Freehand Drawing and Beginning Painting
Luquiens
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. (Not offered 1934-1935.)
268 Landscape Painting
Luquien
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.

269 Life Class
Luquien
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.

Illustration and Commercial Art

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.

272 Beginning Illustration
Rempel
Elementary problems in illustration. Prerequisites: Art 150-151, 154-155. First semester, 2 credits.

273 Book Illustration
Rempel
Illustrations of fables, legends, and imaginative tales. Prerequisites: Art 150-151, 154-155, 272. Second semester, 2 credits.

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
Rempel
Advanced problems in layout, including some work in poster-paint and brush lettering. Prerequisites: Art 150-151, 154-155, 156. Second semester, 2 credits. (Not offered 1934-1935.)

Interior Decoration

172 Interior Decoration
Rempel
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. (Not offered 1934-1935.)

173 Advanced Interior Decoration
Rempel
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. (Not offered 1934-1935.)
Courses of Instruction

252G Art Education Rempel

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 1934-1935.)

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

BOTANY

101 General Botany St. John and Botanical Staff

A study of the seed and spore plants. The structure of the members of the plant body of the seed plants, the relation of form to function, and adjustment to external conditions are given special attention during the first semester. In the second semester, a brief survey of the principal groups from algae to seed plants, with a study of the life history of representative forms. The evolution of the 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 St. John

An introduction to the flowers that are native, introduced, or cultivated on the Hawaiian Islands. The student learns to identify the plants, learns their geographic distribution, and their useful or harmful properties. The history of taxonomy and the botanical exploration of the islands. Frequent 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.

106* Plant Physiology Bean

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 each week. Laboratory fee $5.00 each semester. First and second semesters, 3 credits each.

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 Bean

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 manufac-
ture 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 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 textbook 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. (Alternate years; offered in 1934-1935.)

160* Flower and Tree Identification  Fosberg

A popular course in the identification of the common cultivated plants, weeds, and native plants of the Territory. Fee $2.00. No prerequisite. Not open to students who have taken Botany 102. First semester, 2 credits.

161* Plant Geography  St. John

A study of the distribution of plants throughout the world. The vegetation of forests, grasslands, deserts, tundra, mountains, and oceans, with special attention to origin, development, ecology, and economic importance. Fee $2.00. No prerequisites. Two hours of illustrated lectures a week. First semester, 2 credits.

162 Structure of Economic Plants  Weller

A study of the anatomy of the important field and garden crop plants, representative of Hawaiian agriculture. Prerequisite: Botany 101. One lecture hour and two laboratory periods each week. Laboratory fee $4.00. First semester, 3 credits.

200 Botanical Problems  St. John, Bean, Allen, or Weller

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.

210 Botanical Seminar  Botanical Staff

Presentation of seminar reports, reports upon research, or views 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 ori-
Courses of Instruction

75

gin, 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. (Alternate years; not offered in 1934-1935.)

254 Advanced Taxonomy
St. John

A synoptical treatment of the lower Dicotyledons, from the Piperaceae to the Leguminosae, 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
Bean

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 proseminar 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 sulfur processes in the soil, the formation of humus, the decomposition of cellulosic and nitrogenous materials, and the relation of these processes to agriculture. The latter part of the course deals with a study of the more common pathogenic soil bacteria of plants and animals. Recommended for students of agriculture. Prerequisite: Botany 151. Two lecture hours and two laboratory periods each week. Laboratory fee $3.50. First semester, 4 credits. (Alternate years; offered in 1934-1935.)

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. (Alternate years; not offered in 1934-1935.)

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. (Alternate years; not offered in 1934-1935.)

265 Taxonomy of the Dicotyledons St. John
A synoptical treatment of the Dicotyledons, from the Leguminosae to the Ericaceae, with reference to their gross morphology, economic value, and distribution. Prerequisite: Botany 102. One lecture hour a week. Second semester, 1 credit. (Alternate years; offered 1934-1935.)

267 Taxonomy of the Higher Dicotyledons St. John
A synoptical treatment of the higher Decotyledons from the Ericaceae to the Compositae, with reference to their gross morphology, economic value, and distribution. Prerequisite: Botany 102. One lecture hour a week. Second semester, 1 credit. (Alternate years; not offered in 1934-1935.)

268 Microtechnique Weller
A course for students who require training in the principles and methods of preparing materials for histological and cytological study. It includes methods of killing, fixing, processing, imbedding, sectioning, staining, mounting, drawing, reconstructing, the use of the microscope, and photo-micrography. Recommended for students of genetics. Prerequisites: Botany 101, Chemistry 101. Two laboratory periods per week and outside preparation. Laboratory fee, $6.00. First semester, 2 credits. (Not offered in 1934-1935.)

269 Plant Anatomy Weller
A study of the structure of vascular plants. The origin and differentiation of tissues and the relation of structure to function are emphasized. Prerequisites: Botany 101; Botany 268 desirable but not required. One hour recitation, two laboratory periods a week. Laboratory fee $6.00. Second semester, 3 credits. (Not offered in 1934-1935.)

300 Botanical Research St. John, Bean, Allen, or Weller
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
(Description listed with Graduate School of Tropical Agriculture courses.)

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.

303 Plant Pathology Seminar Linford
(Description listed with Graduate School of Tropical Agriculture courses.)

304 Research in Plant Pathology Linford
(Description listed with Graduate School of Tropical Agriculture courses.)
Courses of Instruction

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  
Payne and Fujimoto

An introductory course in general chemistry for students without previous training in the subject. Students receiving entrance credit in chemistry are required to elect Chemistry 102. Three hours lecture and one period laboratory each week. Laboratory fee $7.00 per semester. First and second semesters 4 credits each.

102 Advanced Inorganic Chemistry  
Bilger and Fujimoto

Designed to qualify students who have had chemistry in preparatory schools for advanced work in chemistry, or to serve as a comprehensive survey of the science. Fundamental theories and laws of chemistry are emphasized. Experimental lectures, recitations, and laboratory work. This course may not be taken for credit by students who have received credit for Chemistry 101. Prerequisite: a previous course in elementary chemistry. Three hours classroom and one laboratory period a week. Laboratory fee $7.00 per semester. First and second semesters; 4 credits each.

150 Qualitative Analysis  
Fujimoto

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  
Fujimoto

An abridged course of quantitative analysis restricted to Agricultural and Household Science students and those in Sugar Technology, Agricultural branch. 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  
Payne

An introductory course in the chemistry of the carbon compounds dealing chiefly with fundamental principles and detailed study of the aliphatic series, but including also a brief survey of the proteins and carbohydrates. This course is elected by those students requiring only one semester of organic chemistry and those pursuing a more advanced study of the subject. Prerequisite: Chemistry 101 or 102. Three hours lecture and one laboratory period each week. Laboratory fee $9.00. First semester, 4 credits.

153 Intermediate Organic Chemistry  
Payne

A continuation of Chemistry 152, devoted chiefly to a study of the chemistry of the aromatic and heterocyclic compounds of carbon. Prerequisite: Chemistry 152. Three hours lecture and one period laboratory per week. Laboratory fee $9.00. Second semester, 4 credits.
161* Colloidal Chemistry  
Bilger  
An introduction to the chemistry of colloids. Assigned readings and written reports are required. Open to students who have completed Chemistry 150. One class period and one laboratory period a week. Laboratory fee $4.00. Second semester, 2 credits.

211 Physical Chemistry  
Bilger  
An introductory course in theoretical chemistry, including the study of pressure-volume relations of gases, theories of solution, homogeneous chemical equilibrium, phase rule, colloids, thermochemistry, electrochemistry, and the modern theories of the constitution of matter. It is required that this course be taken concurrently with Chemistry 212. Prerequisites: Chemistry 150 and 230. Three hours classroom a week. First and second semesters, 3 credits each.

212 Physical Chemistry Laboratory  
Bilger  
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. One laboratory period a week. Laboratory fee $6.00 per semester. First and second semesters, 1 credit each.

213 Advanced Physical Chemistry Laboratory  
Bilger  
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.

215 Chemical Literature  
Dillingham, Bilger, and Payne  
A library course in which articles appearing in current chemical periodicals are studied, and topics are assigned for reports. Prerequisites: Chemistry 101 or 102, 150, 152, 153, and 230. May be taken in conjunction with Chemistry 211, 216, and 217. One hour classroom a week. First and second semesters, 1 credit each.

216 Advanced Quantitative Analysis  
Dillingham  
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, 158, 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  
Payne  
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

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 and 212. (Chemistry 260 and 261 may be included.) Laboratory fee $6.00. Hours to be arranged.

260* Biological Chemistry

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

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

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.

Note: Since the laboratory work in Chemistry 261 and Chemistry 263 is identical, students taking both courses can obtain 2 credits only for such laboratory work. Such students should register for 2 credits in Chemistry 261 and for 3 credits in Chemistry 263.

263 Food Analysis

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

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. Prerequisites or parallel: Chemistry 211, 212, 216, or 217.

CIVIL ENGINEERING

(See Engineering)
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. Library fee, 50 cents. Prerequisite: Sophomore standing. First and second semesters, 3 credits each.

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. First semester, 3 credits. (Not offered 1934-1935.)

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. First semester, 3 credits. (Not offered 1934-1935.)

261 Public Finance


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 balanced, 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. (Not offered 1934-1935.)

265 International Finance

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 and 260 or consent of the instructor. Second semester, 3 credits.
270 Public Utilities
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. Library fee $1.50. Second semester, 3 credits. (Not offered 1934-1935.)

273 Water Transportation
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. Second semester, 3 credits.

276 Trusts and Industrial Combinations
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. First semester, 3 credits.

281 Labor Problems
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. First semester, 3 credits.

285 Theory and Control of Foreign Trade
The theory of international trade historically considered, followed by a detailed study of its control by governments through tariffs, commercial treaties, the consular service, etc. Prerequisite: Economics 150-151. First semester, 3 credits. (Not offered, 1934-1935.)

291 Agricultural Economics
A brief survey of some of the more important problems of farm organization, management, marketing, and finance, with particular emphasis on the local aspects of the various problems discussed. Prerequisite: Economics 150-151 or consent of the instructor. First semester, 3 credits.

300 Seminar in Economics
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.

Business
150-151 Elementary Accounting
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. (Not offered, 1934-1935.)

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. First and second semesters, 3 credits each. (Not offered, 1934-1935.)

252-253 Intermediate Accounting
Delpech

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 consent of the instructor. First and second semesters, 3 credits each.

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 consent of the instructor. First semester, 2 credits. (Not offered, 1934-1935.)

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 and Business 150-151 or consent of the instructor. Second semester, 2 credits. (Not offered, 1934-1935.)

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 permission of the instructor. First semester, 3 credits.

259 Office Management
Graham

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.

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; per-
Courses of Instruction

sonal and real property; suretyship and guaranty; bankruptcy; in-
surance. Scheduled in the evening in alternate years. Prerequisite: 
Junior standing or permission of the instructor. First and second 
semesters, 2 credits each. (Scheduled in the evening, 1934-1935.)

264 Business Organization and Management Cameron

General principles underlying the organization and management 
of business. Some of the topics discussed are selection of goods, lo-
cation and size, problems of expansion, legal forms of organization,
customer and public relations, capital and labor policies. Prerequi-
site: Economics 150-151. First semester, 3 credits. (Not offered 1934-
1935.)

265 Corporation Finance Graham

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 dis-
brusements, credit and income. Prerequisites: Economics 150-151 and 
Business 150-151. Second semester, 3 credits. (Not offered, 1934-
1935.)

266 Investments and Investment Banking Graham

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 func-
tioning in the process of investment. Prerequisites: Economics 150-
151 and Business 150-151. First semester, 2 credits. (Scheduled in the evening, 1934-1935.)

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 eve-
ning only. Prerequisite: Economics 150-151 or consent of the instruc-
tor. First semester, 2 credits. (Not offered, 1934-1935.)

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 sur-
vey of the panaceas for alleviation of the depression. Scheduled in 
the evening. Prerequisites: Economics 150-151 and Business 267 or 
consent of the instructor. Second semester, 2 credits. (Not offered, 1934-1935.)

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 manufacturer, wholesaler, and retailer; market analysis and re-
search; marketing policies. Prerequisites: Economics 150-151 and 
Business 150-151. First and second semesters, 3 credits each.
273 Economics of Advertising
   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 and
Business 270-271 or consent of the instructor. Second semester, 3
credits.

275 Technique of Foreign Trade
   A study of the goods entering into foreign trade, accompanied by
an analysis of the more important foreign markets, channels of dis­
tribution in foreign countries, export organizations, and export selling
methods and policies. Pacific basin trade emphasized. Prerequisites:
Economics 150-151 and Business 270-271. Second semester, 3 credits.
(Not offered, 1934-1935.)

276 Economics of Retail Merchandising
   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, organiza­
tion and management of retail business units, retail sales promotion.
Prerequisites: Economics 150-151 and Business 270-271 or consent
of the instructor. First semester, 3 credits.

283 Personal Salesmanship
   A study of sales tactics and methods. Buying motives, prospecting,
equipment, sales canvass, securing the interview, approach, demon­
stration, objections, closing, and types of customers are some of the
subjects emphasized. Consideration is also given to the more import­
ant problems of particular kinds of personal selling as insurance,
real estate, etc. Prerequisite: Economics 150-151 and Business 270-
271. First semester, 2 credits. Scheduled in the evening, 1934-1935.)

291 Statistics
   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. (Not offered, 1934-1935.)

300 Seminar in Business
   Directed reading or research work in selected fields. Open only to
Graduates and Seniors who have displayed the ability to carry on in­
dependent 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
   Plane surveying, supplemented by lectures and drafting-room ex­
cercises. 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. Prerequi­
tsites: M. D. 101, Mathematics 104, or 150 and 151. Required of Fresh-
Courses of Instruction

men 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 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. Not offered 1934-1935.)

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. Seniors in Civil Engineering. Laboratory fee, $2.00 per semester. First and second semesters, 3 credits each. (Alternates with C. E. 201. Offered 1934-1935.)

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 methods of sewage and garbage disposal; the hydraulics of sewers; the relation of rainfall to storm flow. Part of the course is devoted to municipal transportation problems now handled by the various public service commissions. Seniors in Civil Engineering. 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 designs plate girders and steel building trusses and other structural members. Includes the making of complete detail drawings and specifications, done under close supervision and carefully checked. The important general points are covered by lectures, minor points being taken up with individual students during the progress of the work. Seniors in Civil Engineering. 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 Young

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 construction, 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.

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 1934-1935 unless 3 or more students apply.)

Engineering Laboratory (X.E.)

X. E. 253 Materials Laboratory  
Keller

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  
English Staff

An elementary course in composition to be taken by all Freshmen in the Colleges of Applied Science and Arts and Sciences whose placement tests show insufficient preparation for English 100. 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  
English Staff

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  
English Staff

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

Coale, Kluegel

(Description listed with Teachers College courses.)

106 Principles of Public Discussion

Beck

Practical training in the preparation of speeches on controversial subjects of current public interest, including the analysis of questions, the examination of reference material, bibliography building, elementary brief drawing, the composition of argumentative speeches, and the preparation of materials of refutation. Each student will be given an opportunity to participate in the University intramural forensic contests, such as the interclass debates, the oratorical contest, and the Berndt contest. Admission only by consent of the instructor or the head of the English department. First and second semesters, 2 credits each.

120 Technical and Business English

Stroven

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

Sinclair

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. Prerequisite: English 100 or 102. First and second semesters, 3 credits each.

135 General English

Coale, Kluegel

(Description listed with Teachers College courses.)
140 Journalism
    Wilson
    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
    Peavey
    Reading aloud in class of modern poetic and dramatic selections, with special attention to correctness of speech and interpretation of meaning. Not open for credits to Juniors or Seniors. First and second semesters, 2 credits each.

160-161 Play Production
    Wyman
    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
    Wyman
    A critical reading of selected modern plays with special emphasis upon dramatic values. First and second semesters, 3 credits each.

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
    The technique of public speaking, parliamentary practice, preparation and delivery of type speeches, mock trials, oratory, and simple debate. Extemporaneous speaking is stressed. Prerequisite: English 100. First and second semesters, 3 credits each.

206 Argumentation and Debate
    Beck
    Advanced work in public discussion, debate strategy, and logic, with emphasis on the perfecting of arguments and persuasive style. Each student will be given an opportunity to engage in public debates or forums arranged by the University. Prerequisites: English 100, 106, 130, and 150 or 205, and elementary courses in Political Science, History, and Economics. Admission by consent of the instructor only. 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. (Not offered in 1934-1935.)

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 New-
man. 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.

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. First and second semesters, 2 credits each.

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 national 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. (Not offered in 1934-1935.)

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, Molière, Hugo, Flaubert, Anatole France, Tolstoi, Dostoyevsky, Turgenev, Bjornson, Strindberg. Lectures; reports. Library fee, $1.00. Prerequisite: English 130 or equivalent. First and second semesters, 3 credits each.

230 American History in American Fiction
Stroven
Reading and discussion of narratives treating imaginatively important events of American history. Designed to parallel and supplement History 242-243 and open only to students taking that course. First and second semesters, 1 credit 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.
Courses of Instruction

242 Chief Elizabethan Dramatists, Exclusive of Shakespeare
Schwartz
Study of selected plays by Lyly, Marlowe, Kyd, Greene, Ben Jonson, Dekker, Beaumont and Fletcher, Webster. Alternates with English 252-253. First semester, 3 credits.

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.

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.

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. (Not offered in 1934-1935.)

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.

255 The Modern Novel
Schwartz
The novel in England since Hardy. Prerequisite: English 130 or equivalent. First semester, 3 credits.

256 Essay Writing
Schwartz
Creative writing in the essay form, with collateral reading of representative modern essayists. Prerequisite: English 102 and 130, or equivalents. Second semester, 3 credits.

262 Eighteenth Century
Schwartz
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. (Not offered in 1934-1935.)

263 English Poets of the Age of Romanticism
Neil
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.

264 Creative English in the Elementary School
Coale
(Description listed with Teachers College courses.)
265 Treatments of Defects in English Usage  
(Description listed with Teachers College courses.)  
Coale

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

280 The Sounds of English  
(Description listed with Teachers College courses.)  
Bassett*

281 Oral Reading for Teachers  
(Description listed with Teachers College courses.)  
Bassett*

282 Teaching Speech in the Schools  
(Description listed with Teachers College courses.)  
Bassett*

284 Extemporaneous Speaking  
Bassett*  
A course in informal discussion and extemporaneous speaking on topics of current interest and the student's choice with attention to content, the organization of speech material, and the essentials of effective oral presentation. First or second semester, 3 credits.

300 English Seminar  
Andrews  
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.

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

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* Prof. Lee Emerson Bassett, of Stanford University, has been appointed Visiting Professor for 1934-1935.
Courses of Instruction

202* Advanced Conversation and Composition

Pecker

A practical course in everyday 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. (Not offered 1934-1935.)

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. (Not offered 1934-1935.)

252* Modern French Drama

Pecker

Selected plays of Brioux, Hervieu, Rostand, Maeterlinck, Becque, Bernstein, etc. Rapid reading with essays, lectures, and discussions. Individual research and reports. First semester, 2 credits.

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 interested. Individual research and reports. Prerequisite: three years of college French or equivalent.

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

A course dealing with the fundamental relationships of people to their natural environment. Discussions of economic adjustments to climate and relief comprise the larger part of the subject matter of the course. 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. Prerequisite: Geography 150. Second semester, 3 credits.

152 Geography and the Evolution of Civilization

Jarrett

Part of the course covers the groundwork of Geography 150, but the broader concepts of the subject are emphasized. Mainly for students in Teachers College. First semester, 3 credits.
153 Raw Materials of Industry and International Trade

Courses 152 and 153 constitute an introductory study of geography for students in Teachers College desiring a working foundation in the science and for those interested in a general view of the field. Second semester, 3 credits.

200 Field Geography

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

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

255 Regional Geography of the Far East

This course has to do with the regional geography of Siberia, Manchuria, Japan, China and the Philippines. It takes up the economic activities of the people in relation to the natural environment. Prerequisite: Geography 150, Geography 261 (listed with courses in the Teachers College), or Geology 252. Second semester, 3 credits.

262 Geography of Hawaii

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. (Not offered in 1934-1935.)

300 Geography Seminar

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

252a Physical Geology

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; offered in 1934-1935.)

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.

263 Volcanology  Palmer
Lectures, assigned readings and reports on volcanoes: their classification, types of eruptions, products, structure, distribution, periodicity, and underlying forces. Prerequisites: Geology 252 or 256 and a year of college physics. Two recitations a week. Second semester, 2 credits.

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 Perkins
A course for beginners in the German language. Grammar developed from easy reading material. Exercises in reading and translating German. Singing of German folk songs. First and second semesters, 3 credits each.

101 Intermediate German  Perkins
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  Hörmann
In this course the stress is laid entirely on sentence construction and its analysis which is practiced by weekly quizzes. The textbook used for translation is a compilation of excerpts from difficult German scientific readings. 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." Free compositions. This course is conducted entirely in German. (Alternates with German 201; offered 1934-1935.) 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 200. (Not offered in 1934-1935.)

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.

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
Bachman

Causes of the World War; the peace settlements. Prerequisite: History 100, Political Science 170, or the consent of the instructor. First and second semesters, 2 credits each. (Not offered 1934-1935.)

242-243 History of the United States
Rowland

A detailed consideration of the development of the United States from 1776 to the present. Prerequisite: History 140 or permission of instructor. First and second semesters, 3 credits each.

244 Diplomatic History of the United States
Rowland

A survey of the foreign policies and diplomatic practices of the United States from 1778 to the present. Prerequisite: History 140 or permission of instructor. First and second semesters, 3 credits each. (Not offered, 1934-1935.)

245 History of the West
Rowland

A study of the territorial growth of the United States, including the development of frontier institutions and thought and their reaction upon American life. Prerequisite: History 140, or permission of instructor. First and second semesters, 2 credits each. (Not offered, 1934-1935.)

253 History of Hispanic America
Rowland

The political, social, and economic development of the Hispanic American republics, with consideration of such topics as the Monroe Doctrine, intervention, and Pan-Americanism. Prerequisite: History 140, or consent of the instructor. First and second semesters, 2 credits each.

254 Ancient History
Rowland

A history of the Mediterranean World to the sixth century A.D. Prerequisites: History 100, or consent of the instructor. First semester, 2 credits.

276 History of the Hawaiian Islands
Kuykendall

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 1934-1935.)

277 The Pacific Region in Modern Times
Kuykendall

First contact of East and West; discovery and exploration; activities of traders and missionaries; development of European and American interests; origin of current problems. First and second semesters, 2 credits each.

310 Seminar in Historical Method
Rowland

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

311 Seminar in American History
Rowland

Open to Graduates, Seniors, and Unclassified 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 Unclassified 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  
A course dealing with reproduction, needs of the expectant mother, child birth, care of the infant and pre-school child, normal growth of children, and minor ailments, accidents, and common diseases of children. A portion of the course will be given to the discussion and practice of home nursing. First semester, 2 credits.

H. E. 291 Practice Course in Home Management  
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  
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.
Courses of Instruction

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. First and second semesters, 1 credit each.

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. (Not offered, 1934-1935.)

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, 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. (Not offered, 1934-1935.)

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  
Glenn  
A study of the classes of food stuffs 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  
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. Prerequisite, 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. Prerequisite or parallel: Chemistry 260, 262. 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 student 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. 255 Cafeteria Practice

A study of problems relating to the organization and management of a school cafeteria. Practical training in menu-planning; preparation and serving of foods in large quantities; food buying; keeping simple accounts. Prerequisites: H. S. 150, H. S. 102. Prerequisite or parallel: H.S. 200 or H.S. 271. Conference and laboratory periods to be arranged at the University Cafeteria. Either semester, 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 Economics students not taking H.S. 200. Open to all Juniors and Seniors. Prerequisite: H.S. 150 or its equivalent approved by instructor. Two lectures, two 2½-hour laboratory periods. Laboratory fee $5.00. Second semester, 4 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

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

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

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

151° Analytic Geometry

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

152° Analysis

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.

153° Analysis

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

250° Astronomy

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. (Not offered, 1934-1935.)

252° Advanced Calculus and Differential Equations

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.

253° Differential Equations

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

254° Vector Analysis

Alternates with Mathematics 250. Prerequisites: Mathematics 106. First semester, not more than 3 credits.
255 Vector Analysis
Continuation of Mathematics 254. Second semester, not more than 3 credits.

260 Teaching of Elementary Mathematics
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.

261 Teaching of Elementary Mathematics
A continuation of course 260, with the same prerequisites. Second semester, 2 credits.

270-271 Fundamental Concepts of Mathematics
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, 3 credits each. Alternates with Mathematics 272-273. (Not offered, 1934-1935.)

272-273 History of Mathematics
This course will include a general survey of the growth of elementary mathematics by chronological periods. Special attention will be given to racial achievements. Prerequisites: algebra, plane geometry, trigonometry. First and second semesters, 3 credits each. Alternates with Mathematics 270-271. (Offered, 1934-1935.)

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 agree-

† This requirement also applies to unclassified students, with not more than 64 credits, carrying over 9 credits.
ment 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 gradu­
ation. 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

<table>
<thead>
<tr>
<th></th>
<th>Basic</th>
<th>Advanced</th>
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<tbody>
<tr>
<td>1. Minimum hours of instruction per week required by law</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>2. Estimated number of weeks per academic year</td>
<td>36</td>
<td>36</td>
</tr>
<tr>
<td>3. Estimated total available academic hours</td>
<td>96</td>
<td>160</td>
</tr>
<tr>
<td>4. Credits for each semester, 1st year</td>
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<td>3</td>
</tr>
<tr>
<td>Credit for each semester, 2nd year</td>
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<td>3</td>
</tr>
<tr>
<td>Credit for Advanced Course Camp</td>
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SUBJECTS AND SCOPE

First Year Basic Course

<table>
<thead>
<tr>
<th>Subjects:</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>
</tr>
<tr>
<td>Rifle Marksmanship</td>
<td>15</td>
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<tr>
<td>Military History and Customs</td>
<td>13</td>
</tr>
<tr>
<td>Military Organization</td>
<td>6</td>
</tr>
<tr>
<td>Military Sanitation and First Aid</td>
<td>6</td>
</tr>
<tr>
<td>National Defense Act and Citizenship</td>
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Second Year Basic Course

<table>
<thead>
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<tbody>
<tr>
<td>Drill and Command</td>
<td>36</td>
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<tr>
<td>Combat Principles</td>
<td>20</td>
</tr>
<tr>
<td>Automatic Rifle</td>
<td>14</td>
</tr>
<tr>
<td>Scouting and Patrolling</td>
<td>12</td>
</tr>
<tr>
<td>Musketry</td>
<td>10</td>
</tr>
<tr>
<td>Military History</td>
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First Year Advanced Course

<table>
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<tr>
<th>Subjects:</th>
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<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>
<td>4</td>
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</tbody>
</table>
Courses of Instruction

Second Year Advanced Course

Subjects:                  Hours Allotted
Combat Principles              54
Drill and Command             36
Military History             30
Company Administration      18
Military Law and O.R.C. Regulations  16
Tanks and Mechanization      6

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.

ORIENTAL STUDIES

Chinese Language, Literature, and History

100 First Year Chinese Char
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 Char
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 Char
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 Char
Same as O.S. 101.

200 Third Year Chinese Char and Lee
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 Char
Same as O.S. 200. (Not offered 1934-1935.)

221 Chinese Literature Lee
Study of some of the classical and modern masterpieces of prose and poetry. This course is especially prepared for those who have finished O.S. 200 and other qualified students. First and second semesters, 2 credits each.
225 History of China
Lee
A general survey of Chinese history. Study of the development of the political, social, economic and religious institutions; 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, 3 credits each.

241* History of Oriental Religions
Lee
A study of the religious movements in the Orient, both ancient and modern. Lectures on Confucianism, Taoism, Buddhism, Shinto, Folk Cults, and Christian Missions in China and Japan. Library fee, $1.00 per semester. First and second semesters, 2 credits each. Permission of instructor required.

O.S. 250-251 Chinese Literature in English
Lee
Lectures and discussions on the development of Chinese Literature. Reading of the classical and modern masterpieces of Chinese prose and verse. During the first semester a study will be made of the language with which Chinese literature is composed and of the various forms and styles of writing. The poetical works of Li Po, Tu Fu, and Po Chi will be studied somewhat in detail. The second semester will deal with the representative prose writers of the Sung, Ming, and Tsing periods. A detailed study will be made of two historical novels—"The Romance of the Three Kingdoms" and "All Men Are Brothers" and two plays—"The Pi Pa Ki" and "The Orphan of the Chao Family." Library fee $1.00. First and second semesters, 2 credits each. Permission of instructor required. (Offered alternate years; not given in 1934-1935.)

O.S. 254-255 Chinese Philosophy and Art
Lee
A general survey of the development of Chinese philosophy and art. The first semester will deal with the philosophy of the various schools of thought with special emphasis upon the philosophy of Naturalism and Neo-Confucianism. During the second semester a study will be made of the development of industrial and fine arts and art symbols with special emphasis upon the pictorial art and its relationship with the philosophy of life. Library fee $1.00 per semester. First and second semesters, 2 credits each. Permission of instructor required. (Offered alternate years; given in 1934-1935.)

300 Seminar in Chinese Historical Literature
Lee
Open only by permission of the instructor to Graduate and Unclassified students. Hours and credits will be arranged for each individual student.

Japanese Language, Literature, and History

102 First Year Japanese
Uyehara
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
Uyehara
Pronunciation and conversation, using the Romanized spelling. The use of simple words and idiomatic phrases in every day conversation. Reading and translation of Romanized readers and magazines. First and second semesters, 3 credits each.
Courses of Instruction

103 Second Year Japanese  Uyehara
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  Uyehara
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  Uyehara

223 Japanese Literature  Uyehara
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 1934-1935.)

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, 1934-1935.)

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. 224 or permission of instructor. First and second semesters, 2 credits each. (Not offered 1934-1935.)

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 1934-1935.)

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.
Freshman 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.
Courses of Instruction

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.

223 Physical Education and Health in the Intermediate and Upper Elementary Years Gill
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 Gill
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 Klum
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 Gay
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 Kirkpatrick and Miyake
Prerequisites: Mathematics 149, 151, or the equivalent. Two lecture-recitation periods, one two-hour problem working period and one laboratory period a week throughout the year. This course is regularly taken by pre-medical students. 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. This course deals with the fundamentals of radio. It is planned to familiarize the student with the elementary theory, design and construction of radio receiving sets and audio amplifiers. Two lecture periods and one laboratory period per week. Offered in the evening. First semester, 3 credits.

155 **Electrical Instruments and Machinery**  
A non-mathematical treatment of the principles of operation and construction of direct and alternating current instruments and machinery, and their use in electrical circuits. Lectures, demonstrations and discussion. Offered in the evening. First semester, 2 credits.

157 **Radio**  
Prerequisite: Physics 153. This course is a continuation of Physics 153. It will deal with more advanced radio theory and practice leading the student into the construction, design and repair of modern A.C. receiving sets and audio amplifiers. One lecture period and one laboratory period per week. Offered in the evening. Second semester, 2 credits.

202 **Electrical Engineering**  
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**  
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**  
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**  
Prerequisite: Physics 102 or the equivalent. Survey of geometrical and physical optics, and the development of the wave and quantum theories of light. Two lectures and one laboratory period per week. First semester, 3 credits.
257* X-Ray  
Kirkpatrick  
Prerequisite: Physics 102 or the equivalent. Historical development of the knowledge and theory of x-rays; modern x-ray equipment, technique, and applications; fundamentals underlying physiological treatment; modern research problems. Two lecture-discussion periods per week, including demonstrations in the x-ray laboratory. 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  
Staff  
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  
Staff  
Students possessing requisite qualifications will be permitted to pursue original investigations, under the supervision of the department. Hours and credits by arrangement.

POLICE ADMINISTRATION

250 Organization  
Gabrielson, Sherretz  
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, Rodenhurst  

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.

255 Elementary Law  
Clarke  
Elementary jurisprudence; the substantive law and the adjective law. First semester, 2 credits.
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  
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. First 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. First semester, 2 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. Second semester, 3 credits.

252 **The Constitution and the Recovery Program of the United States**  
Bachman  
The general principles of the American constitution, emphasis on the question of the constitutionality of the Recovery Program. First and second semesters, 2 credits each.

256 **American Political Parties**  
Rowland  
A study of the organization and methods of American political parties. Prerequisite: Political Science 150 or 171. Second semester, 2 credits.

261 **International Law**  
Bachman  
The rules governing the intercourse of states in peace and war. Prerequisites: Political Science 150, 151, or 170. First and second semesters, 2 credits each. (Not offered 1934-1935.)

266 **Political Conditions in Europe and the Far East**  
Bachman  
A survey of the international and internal politics of the principal nations of Europe and of the Far East. Second semester, 2 credits. (Not offered 1934-1935.)

271 **Government of American Territories and Dependencies**  
Bachman  
Legal status, federal control, governmental organization and political problems of the territories and dependencies of the United States. Prerequisites: Political Science 150, 151. First semester, 2 credits.
Courses of Instruction

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, 2 credits.

300 Seminar in Political Science

Open only to Graduate and Unclassified 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 human behavior. Although it is not a prerequisite, beginning students in psychology will find Zoology 150 of great benefit. Not open to first year students. 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 experiments and demonstrations of apparatus. Registration only by permission of instructor. Laboratory fee $3.00. Second semester, 3 credits. (Not offered 1934-1935.)

200 Reading or Research

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

250 Educational Psychology

(Described in Teachers College courses)

252 Racial Psychology

The nature and importance of racial differences as illustrated by a study of the psychology of a primitive race, and with special reference to racial research in Hawaii. Prerequisite: Psychology 150 or the equivalent. Second semester, 2 credits.

267 Psychology and Treatment of Exceptional Children

(Described in Teachers College courses)

268 Mental Hygiene

(Described in Teachers College courses)

280 Social Psychology

The psychology of human relations. A survey of the various psychological factors which operate to determine the behavior of an individual in his many social relationships. Prerequisite: Psychology 150 or the equivalent. First semester, 2 credits.
University of Hawaii

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 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

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. (Not offered 1934-1935.)

395 Modern Viewpoints in Psychology

A survey of the various viewpoints as represented in the writings of contemporary psychologists. Registration only by permission of instructor. Second semester, 2 credits. (Not offered 1934-1935.)

RELIGION

Certain courses in religion taken in the Hawaii School of Religion* may be credited toward graduation from the University of Hawaii, with the approval of the student’s dean. Students desiring credit for work done in the Hawaii School of Religion should register the courses which they intend to take on their University registration cards, which is considered a written request for credit for such courses.

The following suggestions are made for the help of students considering work in the school. The general orientation course, 100, is planned to meet the needs of Freshmen. Students interested in religion as a field of study should, if possible, take the survey course, 150-151, during the Sophomore or Junior year. In the field of philosophy, 204 is the basic course, and in the field of ethics, 259. The other courses are designed to afford the student opportunity for following out his interests in particular aspects of the general fields.

100 Fundamental Problems

Minear

In this general course an attempt is 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.

150-151 The Nature and Function of Religion

Minear

A survey course designed to acquaint the student with the nature of religion, its origin in the life of the race and of the individual, and its relation to cultures past and present. Study is made of the types of religion found in Honolulu and of their functions in contemporary life. First and second semesters, 3 credits each.

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

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.

234 Contemporary Philosophies

A comparison of representative philosophers of East and West by an analysis of their underlying motives due to various cultural and personal factors. Prerequisite, Religion 204. First and second semesters, 2 credits each. (Not offered in 1934-1935.)

250 Principles of Religious Education

Through a study of religious biography of the medieval and modern periods 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 are studied. Prerequisite after 1934-1935, Religion 150, 252 or 254. First semester, 2 credits.

251 Methods of Religious Education

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. Same prerequisite as for 250. Second semester, 2 credits.

252 Life of Jesus

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.

254 Historical Development of the Bible

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. No credit for students receiving credit for English 213. First semester, 2 credits.

256 Nature Worship in Hawaii

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

257 The World's Ethical Teachers

An analysis and comparison of the ethical teachings of Jesus, Plato, the Stoics, Kant, Lao-Tze, Confucius and Buddha. First semester, 3 credits.

259 Ethics and Religion

This course is designed to give the student a basic knowledge of the principles of human conduct, an understanding of the salient ethical issues in modern life, and a method for forming rational decisions concerning current personal and social problems. The relation of religion to ethics is investigated in the attempt to find the validity of religious ethics for modern life. Second semester, 3 credits.
261 The Psychology of Religion  
Dunstan

This course seeks to analyze religion from the functional point of view. It does not concern itself primarily with any particular religion, but analyzes religious behavior so that the psychological aspects become more clear. It deals with evidences of religious conduct as found in everyday life, as well as with specific actions that always have had a religious name. Prerequisite: Psychology 150 or its equivalent. Second semester, 2 credits.

264 Modern Religious Movements  
Minear

In this course an attempt is made to understand and evaluate the various tendencies in the religions of the world and their relation to the social, economic and cultural forces at work in modern society. Lectures on the recent trends are supplemented by selected readings in current literature. Each student will select one type of religion for special study. Prerequisite, Religion 150, 216 or O.S. 241. First semester, 2 credits. (Not offered in 1934-1935.)

265 Modern Religious Thought  
Minear

A study of the current issues in Christian thought produced by the impact of science, philosophy and industrialism. Special attention is given to modern attitudes toward God, Jesus, the Bible, prayer, and immortality. Textbook, collateral reading and lectures. Prerequisite after 1934-1935: Religion 150, 270 or O.S. 241. Second semester, 2 credits.

270 History of Christianity  
Dunstan

A brief history of the development of the Christian church, emphasizing two strains of development—(1) the outstanding changes that have taken place in the church as a result of cultural changes, and (2) the outstanding leaders that have arisen out of the social milieu. First semester, 2 credits.

272 History of Christianity in America  
Minear

A brief survey of the development of Christianity in America, correlated with the social, economic and political changes, and culminating in an analysis of the place of Christianity in the contemporary American nation. Prerequisite after 1934-1935, Religion 150 or 270. Second semester, 2 credits. (Not offered in 1934-1935.)

RUSSIAN

100 Elementary Russian  
Carr

First semester: A practical phonetic introduction followed by direct-method teaching of every-day Russian. Second semester: Reading of Tolstoy's stories in Harper's *Russian Reader* (University of Chicago Press). Emphasis on both pre- and post-Revolutionary *realia*. First and second semesters, 3 credits each.

SOCIOLOGY

150-151 Introduction to the Study of Sociology  
Lind

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 commun-
Courses of Instruction

ity, world politics, and world religion. Lectures, readings, discussions, and field study. Syllabus fee, $2.00. First and second semesters, 3 credits each.

267 The Family

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


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

270 Population


272 Collective Behavior

The process of institution building. Social unrest. Social contagion. Mass movements. Fads, crazes, and panics. Religious and linguistic revivals. The crowd, the sect and the gang. The nature of the institution. Case studies of contemporary forms of collective behavior. Prerequisite: Sociology 150-151. First semester, 3 credits. $1.00 library fee.

276 Principles of Sociology

A consideration of the fundamental concepts of the field of sociology with special reference to the processes of competition, conflict, accommodation, and assimilation. The place of sociology among the social sciences. Prerequisite, consent of instructor. Second semester, 3 credits.

279 Community Organization

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. (Not offered 1934-1935.)

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.

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.

297 Methods in Social Case Work
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. Second semester, 3 credits.

350-351 Race Contacts in Hawaii Adams, Lind
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.
Courses of Instruction

250 Spanish Classics P. Pecker

251 Advanced Spanish Seminar P. Pecker
Rapid reading of modern Spanish novels, plays and current periodicals. Lectures and discussions. Individual research and reports on assigned topics. Prerequisite: Spanish 250.

252 Modern Spanish Novel P. Pecker
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. (Not offered 1934-1935.)

253 Modern Spanish Drama P. Pecker
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. (Not offered 1934-1935.)

SUGAR TECHNOLOGY

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

201 Sugar Analysis D. Dillingham
Laboratory and lecture course intended to fit the student for the position of chemist in a sugar-house laboratory, or to give him a good working knowledge of chemistry as applied to the manufacture of raw and refined sugar. Among the topics taken up are the theory and construction of the polariscope and the refractometer, the calibration and testing of laboratory apparatus, general laboratory routine, the fitting out of a sugar laboratory, and the methods of sampling and of analysis of the various products met with in a cane sugar factory.

In order to take this course, the student must have a working knowledge of general chemistry and laboratory manipulations. Prerequisites or parallel: Chemistry 101 or 102, 150 and 151 or 230. Required of Juniors in Sugar Technology. One lecture and two laboratory periods a week. Laboratory fee $7.00 per semester. First and second semesters, 3 credits each.

250 Sugar-House Calculations D. Dillingham
A lecture and recitation period in which instruction is given in sugar-house calculations, in working out problems involving the yield and losses ordinarily encountered in actual factory work, and in making out typical laboratory reports such as are required by plantations in the Hawaiian Islands. Prerequisite: S.T. 201 and 253. Seniors in Sugar Technology. First semester, 1 credit.

252 Sugar Manufacture M. McAllep
A series of lectures and recitations on the manufacture of sugar, taking up in detail a discussion of the various types of machinery
and apparatus employed in the best modern factories and the principles involved in their use, embodying such topics as multiple milling, the effect of various types of roller grooving, pressure and maceration on extraction, clarification of juices, multiple effect evaporation, the economical use of steam, sugar boiling, crystallization in motion, and the curing, drying, and preparation of sugars for the market. Though this is primarily a course for cane sugar men, a brief description of the methods employed in beet sugar manufacture and refinery practice is also given, together with a discussion of the various processes for making white sugar direct from the cane. Required of Juniors and Seniors in Sugar Technology. Prerequisite or parallel: S.T. 201. Three hours a week classroom. First semester, 8 credits. (Alternate years; offered in 1934-1935.)

253 Summer Practice

Dillingham

During the summer vacation between the Junior and Senior years students in Sugar Technology will be required to spend at least four weeks in practical field or mill work. Those taking field work become student assistants in the Experiment Station of the Hawaiian Sugar Planters' Association. Those taking factory work enter one of the mills, where they are under the direction of the manager and work at various stations under regular factory conditions. Academic credit for this will be granted on the presentation of a satisfactory report in duplicate. Prerequisite: S.T. 201. 6 credits.

255 Field Practice

Dillingham

During the second semester of the Senior year in the Agricultural Division the student does his work in the capacity of a student assistant in the Experiment Station of the Hawaiian Sugar Planters' Association. 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

Dillingham

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

Palmer

This course is planned to survey a number of phases of science, and to give the student a broad view of the world we live in. Attention will be drawn not only to what is known about the world, but also
Courses of Instruction

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 St. John
A survey of the discoveries in the physical and biological sciences and their development from ancient to modern times. Readings and reports. Prerequisites: Junior standing and two semesters of biological or physical science, one of which must include laboratory work. Library fee $2.00. Two lectures each week. Second semester, 2 credits.

ZOOLOGY

The courses in Zoology are intended to meet the needs of the general student, the prospective teacher, those preparing for the study of medicine, and the Graduate student.

A biological laboratory at Waikiki provides an excellent opportunity for the pursuance of marine biological studies by the undergraduate or Graduate student. Special investigators will be offered every possible facility for research.

150 General Zoology Edmondson, Hamre, and Staff
An introductory course covering in a general way the field of animal life. Biological principles are presented and a study of the structure, development, relationship, distribution, and economic importance of animals is made. Required of pre-medical students. Two lectures and two laboratory periods a week. Laboratory fee $5.00. First semester, 4 credits.

151 Comparative Anatomy of Vertebrates Edmondson, Hamre, and Staff
A continuation of Course 150, including a comparative study of the systems of organs of typical vertebrates. Structural relationships of the various groups are emphasized and the progressive development from the lower to higher forms pointed out. Prerequisite: Zoology 150. Required of pre-medical students. Two lectures and two laboratory periods a week. Laboratory fee $5.00. Second semester, 4 credits.

160-161 Mammalian Anatomy Ostergaard
A laboratory course primarily for pre-medical students involving the careful dissection of a typical mammal. Prerequisites: Zoology 150 and 151. Two laboratory periods a week. Laboratory fee $8.00 per semester. First and second semesters, 2 credits each.

170 General Entomology Riley
An introductory course in the study of insects, involving studies on structure, habits, biology, and classification. Emphasis is placed on those insects characteristic of Hawaii. It is the course for those expecting to take further work in Entomology or planning to teach the natural sciences. Prerequisites: Biology 135 or Zoology 150 or Botany 101. Two lectures a week. First semester, 2 credits.
172 General Entomology Laboratory

This course is supplementary to Zoology 170. It includes field trips and laboratory studies on structure, life histories and classification of insects. Each student is expected to make and properly preserve a collection of local insects. The course accompanies or follows Zoology 170. Laboratory fee $2.00. First semester, 1 credit.

173 Agricultural Entomology

This course is primarily for students interested in General Agriculture, Sugar Technology and in teaching Agriculture. All the important insects concerned with agricultural crops are studied by lecture, demonstration and reference work. The student is acquainted with sources of current information and those organizations concerned with the investigations of these insects. Prerequisites the same as for Zoology 170. Two lectures a week. Second semester, 2 credits.

174 Insects Affecting the Health of Man and Domestic Animals

A course involving those insects which are directly injurious to or act as vectors of disease of animals. Studies are made of the role of sanitation in the regulation of these insects. Emphasis is placed on their habits, distribution and control measures. Prerequisites the same as for Zoology 170. Two lectures a week. First semester, 2 credits.

175 Agricultural Entomology Laboratory

This course supplements the work in Zoology 173 and 174 and may be taken with those courses or later but not independently. The work consists of the recognition, collection and study of the most important injurious insects. Control measures are studied, including the role of natural enemies. Laboratory fee, $2.00. Second semester, 1 credit.

180-181 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.

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 260. Open to Junior and Senior students. Second semester, 2 credits.
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253 Parasitology  
Riley  
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  
Riley  
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 172. Two laboratory periods a week. Laboratory fee $2.00. First semester, 2 credits.

255 Systematic Entomology  
Riley  
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.

257 Plant Quarantine and Inspection  
Staff  
This course is offered in cooperation with the staff of Entomologists of the Territorial Board of Agriculture and Forestry. Students are placed under the supervision of the Plant Quarantine Service and receive practical experience in plant inspection. They receive instruction in the laws and regulations, in ship and cargo inspection and in practical laboratory work. Prerequisites: Zoology 170, 172, 173, 175, 254, 255. One lecture and two laboratory periods per week. Second semester, 3 credits.

260 Histology  
Hamre  
A laboratory and lecture course in the study of tissues, principles of histology and microscopic anatomy of organ systems of a limited number of vertebrate animals. Prerequisites: Zoology 150 and 151. Laboratory fee $5.00. First semester, 3 credits.

261 Vertebrate Embryology  
Hamre  
A laboratory and lecture course in which the principles of Embryology are illustrated by a detailed study of the development of the chick. Prerequisites: Zoology 150 and 151. Laboratory fee $5.00. Second semester, 3 credits.

262 Microtechnique  
Hamre  
A laboratory course involving the fixing, staining and mounting of animal tissues. Prerequisite: Zoology 260. Two laboratory periods a week. Laboratory fee $8.00. First semester, 2 credits.

270 Systematic Zoology  
Edmondson  
A systematic survey of the invertebrate and vertebrate fauna of Hawaii (exclusive of insects) in which structure, phylogenetic relationships and distribution are emphasized. Attention may be concentrated on one or a few groups, if desirable. Prerequisites: Two years of zoological work. Hours and credits to be arranged. Laboratory fee, $1.00 per credit hour. First and second semesters.
291  Physiology  Edmondson
A course in physiology for the general student as well as those preparing for medicine. The functions characteristic of the various systems of organs of the human body are considered in detail. Not open to Freshmen or Sophomores. Three lectures a week. Second semester, 3 credits.

300  Research  Staff
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 Employee's 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 Tanner
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, freehand 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. 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.

BIOLOGY AND NATURE STUDY

135 Biology Brown
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.
236 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 or second semester, 2 credits. Not open to students who have had Nature Study 136, or 160-161.

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. 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 kindergarten curriculum. Some attention is given to the evolution of the modern kindergarten-primary curriculum. First semester, 2 credits.

282 The Primary Curriculum

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 originating and developing activities. The volume entitled "Activity Program for the Primary Years," published by the Department of Public Instruction is critically examined. First 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. Second 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 Kawanananakoa. Study will be made of the newer schools of Germany, Russia, and Austria. First or second semester, 2 credits.

250 Educational Psychology  
Livesay  
This course deals with psychological principles underlying the educative 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 various types of exceptional children are studied. Detailed consideration is given to the adjustments in curricula and method desirable in work with such children. 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 and helping the maladjusted child. Applications of mental hygiene to other fields are also considered. Prerequisite: Psychology 150 or the equivalent. First or second semester, 2 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. First or second semester, 2 credits.

361 Mental Deficiency and Abnormality  
Smith  
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  
Smith  
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  
Livesay  
Principles fundamental to the organization, administration, curricula, and subject matter of the secondary school. The nature of the adolescent; the objectives of secondary education; junior and senior high school organization and relations; and values of the various secondary school subjects are some of the major topics considered. Prerequisite: Education 250. Second semester, 3 credits.

340 Philosophy of Education  
Sayers  
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 or second semester, 3 credits.

345 Seminar in Philosophy of Education  
Sayers  
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.

395 Seminar for Probationary Teachers  
Livesay, Sayers  
A course designed for fifth year probationary student teachers dealing with problems of classroom procedure. Organized in sections for elementary and secondary fields. First or second semester, 2 credits.

History of Education

295 History of Education in the United States  
Gordon  
A study of the evolution of American education; to prepare teachers in training and students of the science of education to use the historical method in interpreting current educational movements. First or second semester, 2 credits.

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

350 History of Education  
Tanner  
A survey of the development of educational thought and practice, from the time of the Greeks down to the present, with special attention to the origins of the influences responsible for the modern school systems. Registration only by permission of instructor. First or second semester, 3 credits.

Measurement and Research

260 Statistical Method  
Smith  
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.
Courses of Instruction

261 Educational Measurements for Secondary Teachers  Smith
A study of the common errors in teachers’ marks and ways of improving such marks; the use of standard educational and mental tests in school work with practice in scoring such tests and in interpreting the results; and the criteria by which to judge tests. Second semester, 3 credits.

262 Educational Measurements for Elementary Teachers  Smith
An introduction to achievement tests and testing. Something of the history and meaning of the testing movement is studied. The place of tests in an “activity” school is investigated. First semester, 2 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 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  Livesay
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  Tanner
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  Tanner
An examination of those factors and situations within the contemporary school and community which play a large part in influencing man’s behavior, in order to discover the conditions within which a better education may be developed. First or second semester, 2 credits.

Educational Administration

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.
School Organization and Management

A course designed for fifth year students dealing with the many routine problems of school administration and the teachers’ relationship to them. First or second semester, 2 credits.

Practice Teaching

Participation in Teaching

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.

Practice Teaching

Practice teaching in Teachers College Elementary and Intermediate School, done under supervision of staff members. The practice teaching consists of nine weeks of intensive full-time teaching. First or second semester, 8 credits.

Practice Teaching in Vocational Agriculture

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

Probationary Teaching

This course consists of full-time teaching under supervision in selected public schools. Required of all fifth year students. First or second semester, 14 credits.

ENGLISH

General English

The first of a two year series of courses covering work in composition and literature as correlated subjects. Attention is given to the development of informational background, critical standards, personal appreciation, and consistent habit. Oral expression and other professional aspects receive emphasis. First and second semesters, 3 credits each.

General English

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

English in the Secondary School

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

Creative English in the Elementary School

A study of purposeful language activities, with emphasis upon basic conditions, typical forms of expression, and elements of effectiveness. First semester, 2 credits.
Courses of Instruction

265 Remedial English in the Elementary School  Coale
A study of the problem of language and speech shortages in Hawaii, and of means needed for the discovery and treatment of deficiencies in pupils. Second semester, 2 credits.

270 Literature for the Kindergarten-Primary Years  Kluegel
A course designed to acquaint the student with literature suitable for children of the kindergarten and primary years. First semester, 1 credit.

271 Literature for the Upper Elementary Years  Kluegel
A survey of literature suitable for children of the upper years of the elementary school. Second semester, 2 credits.

280 The Sounds of English  Bassett
A study of phonetic elements of the English language with demonstrations and exercises in the production of vowels and consonants and their combination in words and phrases. The course includes consideration of vowel quantities, syllable values, the melody of conversational utterance, ear training, and correct pronunciation. First semester, 3 credits.

281 Oral Reading for Teachers  Bassett
A study of the principles of natural expressive speech as applied to the interpretation of the meaning and spirit of prose and poetry. Attention will be given to the use of the voice as an instrument of expression, to phrasing, emphasis, pitch, inflection, melody, and to correct diction, oral and written. Second semester, 3 credits.

282 Teaching Speech in the Schools  Bassett
The work of this course will include a consideration of speech problems and activities in elementary and secondary schools, methods of classroom procedure, projects, and materials useful to the teachers and adapted to individual and classroom needs. The course is intended primarily for public school principles. First semester, 2 credits.

GEOGRAPHY

261 Occupational Geography
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
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 semester, 2 credits.

* Prof. Lee Emerson Bassett will serve as Visiting Professor for the year 1934-1935.
152 Fundamentals of Music

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

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

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. Second semester, 2 credits.

261 Music History to the Classical Period

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

262 Classicism and Romanticism in Music

A comparison will be made between the development of art, literature and music as influenced by environment. This will involve reading representative pieces of literature, viewing outstanding art contributions (painting, sculpture, architecture) and listening to the music of representative composers. First semester, 2 credits.

263 Twentieth Century Music (Rhythmic-Atonal Age)

A survey of the social and political background which has influenced the development of 20th century art (painting, literature, music). A brief study of the painting and literature of the day will be made to afford the student a background for the understanding of the musical innovations of modern composers. Second semester, 2 credits.

PHYSICAL AND HEALTH EDUCATION

135 Hygiene

A study of the organs of the human body with special emphasis placed upon their functions and care. The aim of the course is to give prospective teachers a physiological basis for a better understanding of their health, the hygienic problems important to the interests and needs of the community, the physical development of children. First and second semesters, 1 credit each.
Courses of Instruction

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 also give practice in the games and dances of young children. Two hours a week. First and second semesters, 1 credit each. First and second semesters, 2 credits each.

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

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 Gill

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 Crafts in the Primary Years Snider

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

251 Crafts in the Intermediate and Upper Elementary Years Snider

A course similar to the one above, with emphasis upon work of upper elementary years. Second semester, 2 credits.

270 School and Home Gardening McCluskey

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 semester, 2 credits.

SCOUTING

240 Boy Scouting Robley

A course devoted to education for boy scout leadership. Second semester, 2 credits.

283 Girl Scout Training Course Reese

Tenderfoot, second class, and first class badge requirements will be presented. Visits to Girl Scout troops and outdoor trips will be features of the course. Limited to Junior and Senior women. Second semester, 2 credits.
SOCIAL SCIENCE

135 Problems of the American Citizen Gordon
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.

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

270 Agricultural Project Work Armstrong
A study of the project as an educational device in agriculture; selecting home projects; correlating project work with classroom instruction; making project plans; project records and accounts; project summaries and reports. Each student will be expected to spend considerable time in checking over records of successful projects. Second semester, 3 credits.

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 professional work beyond the Bachelor's degree in the chosen field. Such individuals devote most of their time to personally supervised research work rather than the taking of organized courses of study.

The School does, however, offer a few seminar courses for the benefit not only of its graduate students but the members of the research staffs of the several cooperating institutions, as well. The following courses are offered for the immediate future, and are open to any graduate student or staff member subject to consent of the instructor.

**BOTANY**

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**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 contributions on the subject. Prerequisites: Botany 256 and Chemistry 211. For the year 1934-1935 “Plant Metabolism” will be taken up in all its phases throughout the entire academic year. 1 credit each semester. Hours to be arranged.

**302 Research in Plant Physiology**  
**Sideris**  
Open to qualified students in the Graduate School of Tropical Agriculture 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 selected fields of plant pathology. A topic will be selected which is agreeable to those interested. First semester, 1 credit. Tuesday, 4 P.M.

**304 Research in Plant Pathology**  
**Linford**  
Open to qualified students in the Graduate School of Tropical Agriculture with the permission of the instructor. Hours and credits to be arranged.

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

Botany 210. Botanical Seminar  
Zoology 210. Zoological Seminar  
1 credit each semester.*
CHEMISTRY

310 Seminar: Chemical and Physical Studies in Biological Fields
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. (Not offered 1934-1935.)
350 The Nitrogen Cycle

Allen

The course will be conducted as a seminar, and will include a detailed, critical, and comprehensive study of the various transformations of nitrogenous material in nature from 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. (Not offered in 1934-1935.)

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

Wadsworth

The course will be conducted as a seminar, and will consider the physical properties of soils with special emphasis upon soil moisture. The second half of the semester will be spent in a study of plant and soil moisture relations as indicated by current investigations. Second semester, 1 credit. Hours to be arranged. (Not offered in 1934-1935.)

352 Bacterial Decomposition

Allen

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

Allen, Magistad, Wadsworth

Open to qualified students in the Graduate School for Tropical Agriculture with the permission of the instructor. Hours and credits to be arranged.
DEGREES CONFERRED
JUNE, 1933

HONORARY DEGREES

DOCTOR OF SCIENCE
Stanley D. Porteus—internationally known as a leading authority in mental testing, author of "Temperament and Race," "The Psychology of a Primitive People," "The Maze Test and Mental Differences," and other works; at one time director of the Vineland (New Jersey) Research Laboratory; now director of the Psychological Clinic at the University of Hawaii.

MASTER OF ARTS
Nell Findley—Director of the Honolulu Social Service Bureau and widely recognized as a leader in community betterment.

REGULAR DEGREES

DOCTOR OF PHILOSOPHY
Thesis: The Biology, Distribution, and Control of Arts in Hawaiian Pineapple Fields.

MASTER OF SCIENCE

In Chemistry
George Mamoru Eguchi, B.S., University of Hawaii, 1929
Thesis: Some New Derivatives of Chaulmoogric Acid of Possible Therapeutic Value.

Robert Murray Loveland, B.S., University of Hawaii, 1932

Mark Wheeler Westgate, B.S., University of Hawaii, 1932
Thesis: The Sterol Content and Vitamin Value of Avocado Oil.

Hong Yip Young, B.S., University of Hawaii, 1932
Thesis: An Investigation of the Chemical Changes Occurring at the Various Stages of Poi Fermentation.
Degrees Conferred

CIVIL ENGINEERS

**William Sydney Wilson, B.S. in C.E, University of Hawaii, 1923
Thesis: *First Order Triangulation done by the Metropolitan Water District of So. California, Preliminary to the Construction of the Colorado River Aqueduct.*

MASTER OF ARTS

Rosamond Reynolds Cariaga, B.A., Syracuse University, 1930
Thesis: *Adult Education on Rural Oahu.*

Margaret Juleff Coles, B.S., Kansas State College, 1927

Signi Lenea Falk, B.A., Cornell College, 1929
Thesis: *Twisted Personalities from the Plays of Eugene O'Neill.*

†Clara Grenville Hatch, B.A., University of Hawaii, 1929

Akiyoshi Hayashida, B.A., University of Hawaii, 1928

Margaret Wanless Hockley, B.A., University of Hawaii, 1932
Thesis: *Educational Activities of Museums.*

Florence Booco Johnson, B.A., University of Hawaii, 1932

Phoebe Meng Hsuan Liang, B.A., University of Hawaii, 1932

**Yale Candee Maxon, A.B., Stanford University, 1928

Pearl Beck Midkiff, B.A., University of Hawaii, 1931
Thesis: *Native Administration in Western Samoa.*

Thomas Blake Vance, B.A., Maryville College, 1922

† Granted February, 1933.
** Granted September, 1933.
University of Hawaii

BACHELOR OF SCIENCE

In Agriculture

Yaso Abe
Ah Seong Ching
Edwin Yin Chun
Francisco Domingo Gueco
Norito Kawakami
Fred Haruo Kawamura
Masao Koga
Bernard Chong Lee
Richard Tai Foo Lum
Haruo Masuda
†Frederick Douglas Patterson, Jr.
Masayuki Shigemi
Ryoichi Sugai
Shoichi Uno
Charles Yuk On Wong
Keizo Yasuda
Clarence Kaoru Yoshioka
Philip Young

In Civil Engineering

Frances Isamu Fujita
Thomas Choy Sing Lau
Tsuneo Obayashi
Stephen Tadashi Okada
Edward Park
Herbert George Van Orden

In General Science

Alfred Hung Chang
Hon Chong Chang
Katherine van Heemskerck Duker
Takeo Fujii
*Thomas F. Fujiwara
George Richard Hansen
John Vernon Harry (Honors in Chemistry)
Kenichi Ichimura
David Stuart Judd
*Minoru Kimura
Noel Louis Hilmer Krauss
Philip Ting Fee Lam
Flora Seu Tai Liu
Walter Sunlook Loo
*Masato Mitsuda
Charles Jiro Motoyama
Raymond Yuichi Nikaido (Honors in Chemistry)
Charles Folsom Penhallow
Toshi Sakata
Raymond Nobuichi Shiraki
Robert Russell Thompson
*George Yoshikatsu Tomoguchi

† Granted February, 1933.
* Granted December, 1933.
Degrees Conferred

*Isami Umaki
Walter Wong
Yan Sau Wong
Seung Lin Yuen

In Home Economics

Lucille Hinano Akaka
Lilly Kamokukauole Auld
†Clara Maybelle Berry
Irmgard Farden
Umeyo Hirota
Maude Kong Lin Ho
Leatrice Kam Fung Ing
Dorothy Kayo Ishikawa
Mildred Hamako Kiyosawa
Peggy Hinayo Kodama
Lo Yim Leong
Haruko Midorikawa
May Sumiko Nishimura
Violet Mildred Oliveira
Bertha Kam In Pang
Doris Shizuko Sugimura
Michi Suzuki
Misao Ujiki
Olive Hung On Wong

In Sugar Technology

Kiyomi Muroki
Nobue Tsuji

BACHELOR OF ARTS

Yuichi Agano
Elsie Astleford
Ruth Caroline Baker (Honors in Physics)
Dominta Laquindanum Balingit
†Alice Foster Bell
Ethel Florence Ann Bento
†Dorothy Eleanor Benton
Alexa Charlotte Plikea Betts
Mildred Ethel Bevins
Mabel Marietta Calhau
Eugene S. Capellas, Jr.
*Harve Edison Carter
Dorothy Chang
Edna Lin Ung Chang
Inpung Chang
Kui Kyau Zane Char
†Alice Yuk Ung Ching
Amy Fookyau Ching
Margaret Chun Ching
Alice Chong

† Granted February, 1933.
* Granted December, 1933.
University of Hawaii

Mabel Chong
Hung Fat Choy
Grace Chew Lung Chun
Winona Kamakahukilani Church
Anne DeArmond
Harold Lorrin Deponte
Edith Elizabeth Dietz
Nell Bradley Elder
Irmgard Bertha Elmhurst
Grace Faulconer
Henrietta Evelyn Fernandes
Eureka Barnum Forbes
Mitsuru Allen Fujinaga
Masako Fujino
Mitsuno Fukuda
Jose Primero Garcia
†Phoebe Yung Jean Goo
†Margaret Hasegawa
Noboru Hidaka
Flora Patt Ho
Margaret Yuk Kwai Ho
†Sumiyo Hoshino
Henry Shue Chun Hu
Theodore Hen Leong Ing
†Yoshito Inouye
Perdita Jackson
Genevieve Margaret Jarrett
Eugene Herbert Jordan
Robert Yoshito Kageyama
Kealoha Naomi Kaluakini
†Fusao Kamimura
Miriam Kang
Kenzo Kayano
Eliza Edna Kerslake
Edwin Dearborn Kilbourne, Jr.
†Bernice Kim
†Young Hee Kim
Ayako Kimura
Fumiko Kimura
†Daniel Kentaro Kojima
Inoyo Kojima
Lieselotte Helene Kolhof (Honors in German)
Wah Chun Kong
Earl Torao Kubo
Fumiko Kuramoto
Clarence Junro Kusunoki
Tomometsu Kuwana
Charles Ming Chin Kwock
Kum Pui Lai
Ah Chin Loo Lam
†Chun Kwong Lau
Elizabeth Hilda Lau
Alice Keakealani K. Lee
Margaret Yuke Tai Lee
Norman Lee
Ah Jook Leong

† Granted February, 1933.
Degrees Conferred

Nancy Yuk Won Leong
Eleanor Yuen Len Liu
Kwai Ngan Luke
Amoy Loy Ho Lum
Clara Kam Moi Lum
Muriel Haunani Mackenzie
Katsumi Maeda
David Henry Marshall
*Winifred Ching Mau
Iris Houston May
†Marion Frances Kaleleonalani McGregor
†Patricia McMahoon
†Eleanor Yun Nyuk Moo
Margene Krag Musser
William Constant Muth
Albert Poai Nahale-a
Yaeko Nakagami
Yasuko Nakagawa
Shizuko Nakano
James Shigeo Nakao
Martha Fumiko Nishiwa
Masayoshi Nishizaki
Seikichi Okano
†Charles Tokumi Otani
†Hazel Blythe Peppin
*Viola K. Peterson
Winifred Marie Piltz
†David Hebdon Porteus
Willa Robbins
*Martha Sakamaki
Horace Masao Sakoda
Ralph Kuwashi Sasaki
Shinichi Seki
†Jacqueline Lai Seto
†Rose Kekaikuihala Simerson
Miya Harada Soga
†Esther Leonore Ferreira Sousa
†Bertha Spillner
†Richard Kwock Wun Tam
Hatsuko Tamashiro
Massao Tanaka
Isamu Tateishi
Ruth Minerva Tay
Robert Edward Lee Thomas
Edward Masami Tokushige
Stanley Young Kun Tom
Torao Tominaga
Charles King Nyan Tyau
Thomas Marr Waddoups
Charles Lamoreaux Warfield
Sueo Watanabe
*Eleanor Westendorf
Edward Clendenning White, Jr.
Ivy Williams
Dan Benjamin Lai Sung Wong

† Granted February, 1933.
* Granted December, 1933.
University of Hawaii

*Violet Y. N. Wong
Harriet Shizue Yamauchi
Alice Yuen Lan Yap
†Alyce Ako Yee
Daniel Bak Yun Yee
Lizzie To Tan Yee
Violet Mee Yee
Lily Bow Lin Young
Margaret Yuen

BACHELOR OF EDUCATION

Lei Olivia Ayau
Lotty Viola Canaday
*Annie Oy Chin Chang
†Ella Kun Heong Char
Edith Sau Kung Chock
Mabel Kaui Chong
Helen Mew Ngan Chow
Juliette Chung
Olive Ethel Dolim
Kathryn Donovan
Nani Kalae Espinda
*Thomas Muris Feiteira
Amy Lum Fern
Arthur Fraser
*Ann Schilt French
Susan Kimiyo Fukuda
†Helen Gladys German
Margaret Gomes
Katherine Hisako Harada
Theodora Violet Helbush
*Dora Lum Chow Ho
*Flora Goo Ho
†Murty Cathryn Irvine
Evelyn May Jewett
†Anne Josephine Kailewa
Margaret Ngate Oi Kamm
Grace Fumiyo Kaneshiro
*Adelia Adelaide Kapfenberg
Edith Shigeko Kashiwa
Shizuyo Kawamoto
*Bernice A. Knowlton
†Stella Shui Kyau Ho Lau
*Lillian Lee
*Maude Mary Leeper
Arthur Edward Leithead
*Stanley Loo
Helen Pau Hu Lum
Mary Lau Sin Lum
†Maybelle Besse McCleery
†Louis Moniz
†Eldon Putnam Morrell
Shigeo Nakamura

† Granted February, 1933.
* Granted December, 1933.
Degrees Conferred

Jean Hayano Nakano
†Henry Susumu Nakata
Eleanor Sueko Nomura
Sakiko Okubo
*Gladys Sungcho Park
†Maurice Pilares
Evangeline Lydia Ralston
Wilhelmina Mealoha Roback
†Ululani Stella Robinson
Bess Bixby Scobie
*Rose Shim
*Hajime Suga
Kiyoko Sugiyama
Mae Masayo Takumi
Helen Hatsuyo Tamano
†Rose Hatsuko Tanna
†Frances Choy Tasaka
Edna Kam Wo Tom
*Shizuo Tsuchiya
*Agnes Browning Vance
Grace Hoy Ing Won
Grace Tsuruko Yanagihara
Hazel Hanae Yoshida
Hazel Kam Sau Lau Young

† Granted February, 1933.
* Granted December, 1933.
CERTIFICATES AWARDED

FIVE-YEAR

Rose Kam Mee Chang
Theodora Ching-Shai
Ruth Chinn
Eleanor Chun
Lily Luka Crowell
Margaret Wanless Hockley
Helen Scott Leithead
Shizuko Matsuki
Carla Harumi Mirikitani
Manabu Roy Mitsuka
Isamu Miyoshi
Mary Moodie
†Shizuko Nakagawa
Hortense Marie Schwallie
†Teruko Shimada

PUBLIC HEALTH NURSING

Mabel C. Coleman
Harriet Yoshino Kuwamoto
Adeline Mooklar
Luella Tanner
Ines N. Viernes
Hilda Fumi Yamamoto
Alice H. T. Young

† Granted February, 1933.
HOLDERS OF UNIVERSITY SCHOLARSHIPS
1933-1934

Associated Women Students
- Thelma Sproat
- Setsu Okubo

Chinese Community
- Florence Liu
- Richard Chow
- Bessie Yuen

Daughters of American Revolution
- Dorrance Chandler
- Gertrude Spillner

Hui Pookela
- Roberta Irving

Ke Anuenue
- Rose Toomey

Leora Parmelee Dean
- Betty Henne

Mary Dillingham Frear
- Fred Kruse

Maui Hawaiian Woman's Club
- Beatrice Hussey

Phi Beta Kappa
- Oswald Bushnell

Prince Fushimi
- Walter Matsumoto
- Francis Takemoto
- Grace Yokoi
- Helen Hoshino
- Wilfred Oka
- Elsie Hokoda

Ruth C. Scudder
- Toki Nakasone

Stephen Spaulding
- Manuel Kwon

Wakaba Kai
- Matsuko Masuda
- Bertha Hanaoka

Yang Chung Hui
- Marion Wong

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HOLDERS OF SPECIAL SCHOLARSHIPS
1933-1934

Woman's Society, Central Union Church
Yealeme Kim
(2nd Semester)
Yorika Kaya
Violet Horner
Margaret Bairos

Mary Dillingham Frear
Kenneth Conningham
Virginia Hammond

Caroline S. Ross
Chidori Ogawa

American Association of University Women
Mew Yung Jay
Barbara Nicoll
Beatrice Nicoll
Thelma Sproat
Hannah Miwa
Eda Carlson
Lydia Chun
Hazel Mirikitani

Jane Hemenway
Harriet Monden

Hawaiian Girls' Club, Y.W.C.A.
Thelma Sproat
(1st Semester)

Anonymous
Helen Quon
Masaichi Goto
(1st Semester)

Woman's Campus Club
Sarah Wela
Genie Pitchford
Gladys Arakawa

Stephen Spaulding Appreciation
Harold Morley
(1st Semester)
FELLOWS IN GRADUATE DEPARTMENTS

Constance E. Hartt, Post Doctorate Fellow, Botany, Graduate School of Tropical Agriculture.

Edwin P. Mumford, Research Fellow, Entomology, Graduate School of Tropical Agriculture.

Carl T. Schmidt, Research Fellow, Entomology, Graduate School of Tropical Agriculture.

Jalmer Halls, Teaching Fellow, Political Science, College of Arts and Sciences.

Spencer Tinker, Teaching Fellow, Zoology, College of Arts and Sciences.

F. Raymond Fosberg, Teaching Fellow, Botany, College of Arts and Sciences.

Jetsuichi Masuoka, Research Fellow, Sociology, College of Arts and Sciences.

Rosamond Cariaga, Research Fellow, History, College of Arts and Sciences.
REGISTER OF STUDENTS
1933-1934

GRADUATE DIVISION
Candidates for Degrees*

Among, William Goo, Kaimalino, Hawaii; 3755 Waialae Ave.
B.A., University of Hawaii, 1934
(Education and Economics)

Baker, Ruth C., 2815 Maile Way
B.A., University of Hawaii, 1933
(Physics)

Berry, Clara M., Kealakekua, Kona, Hawaii; Wheeler Field
B.S., University of Hawaii, 1933
(Home Economics)

Berry, Wallace D., c/o Post Exchange, Schofield Barracks
B.S., Antioch College, 1931
(Chemistry)

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

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

Black, Mary H., Hilo, Hawaii; MacDonald Hotel
Ed.B., University of Hawaii, 1933
(Psychology and Education)

Blanchard, Elizabeth Estelle, Port Orchard, Wash.; Moana Hotel
A.B., University of Washington, 1923
(English)

Brodie, Hugh W., Experiment Station, H.S.P.A.
B.S., University of Hawaii, 1927
(Plant Physiology)

Brown, (Mrs.) Flora B., 1115 Lunalilo St.
B.A., Stanford University, 1903
(International Relations)

Budin, Harry M., Box 520, Waipahu, Oahu
B.S., Colorado Agricultural College, 1926
(Vocational Education)

Cazel, Virgil W., 706 N. Raymond Ave., Pasadena, Calif.; Atherton House
B.A., University of California at Los Angeles, 1931
(Sociology)

Chang, (Mrs.) Phoebe Y. P., 1658 Fort St.
B.A., University of Hawaii, 1931
(English)

Chinn, Edwin Y., 549 N. School St.
B.S., University of Hawaii, 1931
(Soil Science)

* Including those who have passed preliminary examination for definite acceptance to candidacy and those who are tentatively accepted to candidacy pending examination.

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Register of Students

Chock, Mew Keam, Kamuela, Hawaii; 1319 Emma St.
B.A., University of Hawaii, 1931
(Education and Psychology)

Chong, Mabel T., 1815 Dole St.
B.A., University of Hawaii, 1933
(Zoology)

Chun, Dai Ho, 1424 10th Ave.
B.A., University of Hawaii, 1930
(Economics, Education and Political Science)

Cooley, Philip H., Waialua, Oahu
B.A., Stanford, 1918
(History)

Cummins, (Mrs.) Helene B., Alexander and Baldwin, Ltd.
B.A., University of Hawaii, 1930
(Education)

Davis, David R., 21 Main Rd., Wilkes Barre, Penn.; 2410 Kaala Ave.
B.A., Bucknell University, 1932
(History)

DeRocker, Medard, 1437 38th St., Rock Island, Ill.; 1666 Liholiho St.
B.S., Bradley Polytechnic Institute, 1931
(Education)

Douglas, Margaret S., 1579 Piikoi St.
B.A., University of California, 1924
(Home Economics)

Dowson, George J., c/o Andrew E. Cox Intermediate School, Waialua, Oahu; 1026 Koko Head Ave.
B.A., University of Hawaii, 1930
(Physics)

Duker, Katherine V., 2115 Damon St.
B.S., University of Hawaii, 1933
(Chemistry)

Erwin, Lucille L., 4650 Kahala Ave.
B.A., University of California at Los Angeles, 1927
(Psychology)

Farrington, (Mrs.) Elizabeth P., 3905 Mamalahoa Rd.
B.A., University of Wisconsin, 1918
(Oriental Studies)

Faulkner, Robert M., Moana Hotel
B.A., University of Hawaii, 1924
(Education)

Fish, Helen Albert, Coquille, Ore.; 429 Kuamoo St.
B.A., Pomona, 1928
(Political Science)

Forbes, (Mrs.) Eureka B., 2625 Anuenue St.
B.A., University of Hawaii, 1933
(Political Science and History)

Fosberg, F. Raymond, Rt. 2, Box 36, Turlock, Calif.; 2365 Oahu Ave.
B.A., Pomona College, 1930
(Botany)

Fujinaga, Allen M., Box 95, Hakalau, Hawaii; 1018 McCully St.
B.A., University of Hawaii, 1933
(Agricultural and Vocational Education)

Fullington, Marion W., 701 S. Fremont Ave.; Springfield, Mo.; Atherton House
B.J., University of Missouri, 1933
(English and History)
Gantt, Beth King, Waimanalo, Oahu
A.B., Doane College, 1919
(Education)

Geiger, William J., Lahaina, Maui
B.A., Bluffton College, 1925
(Education)

Geiser, Ralph G., 2761 Oahu Ave.
B.A., Western State College, 1927
(Education)

Gordon, S. Stewart, U. S. Veteran's Administration, Dayton, Ohio; 2321 Oahu Ave.
B.A., Westminster College, 1933
(English)

Gordon, Walton M., 3405 Kahawalu Dr.
B.A., Park College, 1925
(Education and Political Science)

Halls, Jalmer, 2824 W. 59th St., Seattle, Wash.; 2327 Liloa Rise
B.A., University of Washington, 1932
(Political Science)

Hara, Koichi G., 1252 Palolo Ave.
B.A., University of Hawaii, 1928
(Education and Psychology)

Harrington, J. Vernon, 4042 Mauna Loa Ave.
B.S., University of Hawaii, 1933
(Chemistry and Physics)

Heen, Elizabeth L., Waipahu, Oahu
B.A., University of Hawaii, 1931
(Education and Pacific and Hawaiian Culture)

Hidaka, Noboru, Hiroshima, Japan; 1707 Kalakaua Ave.
B.A., University of Hawaii, 1933
(English)

Ho, Flora P., 2113 Puna St.
B.A., University of Hawaii, 1933
(Bacteriology)

Ho, Margaret Y. K., 1809 Dole St.
B.A., University of Hawaii, 1933
(English)

Hodges, Julia, 805 S. Glendale Ave., Glendale, Calif.; Moana Hotel
B.A., University of California at Los Angeles, 1926
(Sociology)

Holmer, Earl, 1312 Keeauumoku St.
B.Ed., River Falls State Teachers College, 1930
(Education)

Hormann, Helmut W., 1036 Green St.
B.A., University of Hawaii, 1929
(English and Art)

Hosaka, Edward Y., Kipapa Gulch, Oahu; c/o B. P. Bishop Museum
B.S., University of Hawaii, 1931
(Botany)

Hu, Henry S., 1757 Fort St.
B.A., University of Hawaii, 1933
(Political Science)

Huckestein, (Mrs.) Inez L., Box 2684, Honolulu
B.A., University of Hawaii, 1933
(Education)
Humphries, Grace, 1805 Makiki St.
B.S., Oregon State College, 1924
(Business)

Ito, Kiyoshi, 3220 Kaimuki Ave.
B.S., University of Hawaii, 1929
(Entomology)

Iwai, Charles K., Upper Manoa Rd.
B.A., University of Hawaii, 1927
(Economics)

Kahanamoku, (Mrs.) Dorothy M., 1939 Ahuula St.
B.S., in Mus.Ed., New York University, 1931
(Education)

Keys, Elizabeth, Young Hotel
B.A., University of Hawaii, 1930
(English)

Kim, Bernice Bong Hee, 1814 Puowaina Dr.
B.A., University of Hawaii, 1933
(Education and Geography)

King, Myrtle M., Waialua, Oahu; 816 Kinau St.
B.A., Goucher College, 1920
(Education)

Kono, Ayako, P. O. Box 144, Hilo, Hawaii; 131 Boyd Lane
B.A., University of Hawaii, 1925
(Education)

Krauss, Noel H., 2457 Parker Pl.
B.S., University of Hawaii, 1933
(Zoology and Botany)

Kubo, (Mrs.) Florence Standring, Hilo, Hawaii
B.A., University of Hawaii, 1934
(Sociology)

Lackrie-Lund, (Mrs.) Ethel E., Farmer's Rd., Kahala
B.S., University of Minnesota, 1930
(Education and Home Economics)

Lai, Kum Pui, 32-B Leilehua Lane
B.A., University of Hawaii, 1933
(Sociology)

Lecker, George T., 2241 Liliha St.
B.A., Arizona State Teachers College, 1933
(Education)

Lee, Bernard C., 1098 S. Beretania St.
B.S., University of Hawaii, 1933
(Bacteriology)

Ligda, Victor, 1919 Young St.
B.S., University of California, 1904
(History, Political Science and Education)

Lucas, Meda F., 1805 Makiki St.
B.A., University of Kansas, 1914
(English)

Lucz, John C., 833 17th Ave.
B.A., Colorado State Teachers College, 1930
(Education)

Lund, August S., Farmer's Rd., Kahala
B.S., University of Minnesota, 1928
(Economics and Agricultural Education)
Madison, Ray, Roosevelt High School, Honolulu
B.S., Whitman College, 1926
(Education)

Manley, (Mrs.) Lucile H., 1055 Ilima Dr.
B.A., Colorado College, 1911
(Education)

Marlowe, Ralph Henry, Box 340, Honolulu
B.S., Rollins College, 1928
(Entomology)

McPherson, Berenice M., University of Hawaii
B.B.A., University of Washington, 1929
(Psychology)

McQuerrey, Norton B., Pearl City, Oahu
B.S., University of Illinois, 1929
(Education)

Mitchell, Donald D., Kamehameha Schools
B.A., Phillips University, 1928
(Education and Botany)

Moe, (Mrs.) Mable L., 1420 Kalihi St.
B.A., University of Hawaii, 1930
(Political Science and History)

Moo, Eleanor Y., 1040 6th Ave.
B.A., University of Hawaii, 1933
(Sociology)

Moo, Rose, Paia, Maui; 1819 Makiki St.
B.A., University of Hawaii, 1932
(Education and English)

Moore, Golda, 1805 Makiki St.
B.A., Park College, 1922
(History and Education)

Morse, Marion, Donna Hotel
B.A., University of California, 1916
(Oriental Studies)

Nation, (Mrs.) Cecile Vigne, 1104 Browning Blvd., Los Angeles; 4829 Kahala Ave.
B.S., University of Southern California, 1929
(History)

Nikaido, Raymond Y., Pukoo, Molokai; Mid-Pacific Institute Farm
B.S., University of Hawaii, 1933
(Chemistry)

Nyuha, Bert K., Camp 4, Makaweli, Kauai; 2880 Dow St.
B.S., Washington State College, 1932
(Animal Husbandry)

Odom, Julius P., Box 473, Black Mountain, N. C.; Luke Field
B.S., King College, 1929
(Chemistry)

Ogura, Shiku I., Box 328, Kealakekua, Hawaii; 3450 Paalea St.
B.A., University of Hawaii, 1929
(Political Science and Sociology)

Oliveira, Violet M., Kailua, Oahu
B.S., University of Hawaii, 1933
(Home Economics)
Ployhart, Frederick Paul, Olivia, Minn.; Pan-Pacific Club
B.S., St. Thomas College, 1924
(Chemistry)

Remick, Grace I., 2448 Kuhio Ave.
B.A., University of Hawaii, 1929
(Education)

Restarick, J. Purdy, 55 Dowsett Ave.
B.A., University of Oregon, 1916
(Psychology and English)

Robbins, Ruth C., 2326 Metcalf St.
B.S., University of Hawaii, 1931
(Nutrition)

Robbins, Willa, 4161 Black Point Rd.
B.A., University of Hawaii, 1933
(Chemistry)

Robinson, Orrin W., 450 S. Hotel St.
B.A., Pomona College, 1917
(Education)

Root, (Mrs.) Louise H., 2216-D Kalia Rd.
B.A., Mt. Union College, 1921
(Sociology)

Ross, (Mrs.) Margaret D., 1020 Kapiolani St.
B.A., University of Hawaii, 1927
(Education)

Ross, (Mrs.) Ruth D., 2445 Ferdinand Ave.
Ed.B., University of Hawaii, 1932
(Political Science)

Smith, Alice W., 70 Judd St.
B.S., Teachers College, Columbia University, 1916
(Education)

Suehiro, Amy, 3746 Pukalani Pl.
B.S., University of Hawaii, 1927
(Entomology)

Tait, Walter J., 103 S. Harbor Blvd., San Pedro, Calif.; 1907 Coyne St.
B.A., University of California at Los Angeles, 1931
(Economics)

Tajima, Paul J., 2631 Nuuanu Ave.
B.D., Seabury Divinity School, 1932
(Oriental Studies)

Takeda, Yetatsu S., 1727 Fort St.
Graduate of Ryokuku University, 1933
(Sociology)

Tallman, Verna M., Rt. 1, Box 725, Napa, Calif.; 2729 Nuuanu Ave.
B.A., University of California, 1925
(Psychology and Physics)

Tam, Richard K., Makawao, Maui; 1037 7th Ave.
B.A., University of Hawaii, 1933
(Bacteriology)

Tenney, Vernon E., Kuliouou, Honolulu
B.A., Harvard University, 1918
(English)

Thompson, Robert R., 3828 Pahoa Ave.
B.S., University of Hawaii, 1933
(Chemistry)
Tinker, Spencer, 4710 9th Ave. N. E., Seattle, Wash.; 2327 Liloa Rise
B.S., University of Washington, 1931
(Zoology)
Tsugawa, (Mrs.) Violet U., 6 Mauna Kea St., Hilo, Hawaii
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(Sociology)
Tsunoda, Kensaku, 1710 Fort St.
B.A., Columbia University, 1931
(Sociology)
Vaughn, (Mrs.) Inger S., 1625 Dole St.
B.S., William and Mary College, 1921
(Education)
Wade, Herbert A., Haiku, Maui
B.A., University of Hawaii, 1930
(Education and Psychology)
Walworth, (Mrs.) Vivian H., 2737 Ferdinand Ave.
B.A., University of Kansas, 1914
(Education)
Warfield, Charles L., Qtrs. 10, Fort Shafter
B.A., University of Hawaii, 1933
(History)
Whang, Won Yill, 1652 Liliha St.
B.S., University of Hawaii, 1932
(Entomology)
Withington, Frederic B., Kamehameha Schools
B.A., Harvard University, 1915
(Education)
Wong, Ambrose M., 3033 Manoa Rd.
B.A., University of Hawaii, 1932
(Political Science)
Yamaguchi, Michio, 918 9th Ave.
B.S., University of Hawaii, 1930
(Education)
Yap, Francis T., 3465 Waialae Ave.
B.S., University of Hawaii, 1931
(Zoology)
Yee, Alyce A., 148 So. School St.
B.A., University of Hawaii, 1933
(Education)
Yee, Violet Mee, 1401 Kewalo St.
B.A., University of Hawaii, 1933
(International Relations)
Yoshioka, Clarence K., 3143 Paliuli St.
B.S., University of Hawaii, 1933
(Entomology)
Yoshizawa, Toku, 1952 Young St.
B.A., University of Hawaii, 1931
(Sociology)

Graduate Students Not Candidates For Degrees

Anderson, Aphra P., Wahiawa, Oahu
B.A., Centenary College
Ballengee, (Mrs.) Marcella, Kamehameha Schools
B.A., University of Hawaii
<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>University/College</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barrett, Charles B.</td>
<td>Mid-Pacific Institute</td>
<td>B.A., Hastings College</td>
</tr>
<tr>
<td>Breitung, Howard E.</td>
<td>Fort Ruger</td>
<td>Graduate of U.S.M.A. at West Point</td>
</tr>
<tr>
<td>Breitung, (Mrs.) Lethe K.</td>
<td>Fort Ruger</td>
<td>M.A., Occidental College</td>
</tr>
<tr>
<td>Bruhn, Kanoena, P. O. Box 31, Lanikai, Oahu</td>
<td>Mid-Pacific Institute</td>
<td>B.A., University of Hawaii</td>
</tr>
<tr>
<td>Cary, Miles E.</td>
<td>2656 Hillside Ave.</td>
<td>M.A., University of Hawaii</td>
</tr>
<tr>
<td>Catton, Alice M.</td>
<td>403 N. 2nd St., Brainard, Minn.; 980-A Spencer St.</td>
<td>B.S., University of Minnesota</td>
</tr>
<tr>
<td>Chester, George A.</td>
<td>213 Saratoga Rd.</td>
<td>B.A., Stanford University</td>
</tr>
<tr>
<td>Chong, Mabel T.</td>
<td>1815 Dole St.</td>
<td>B.A., University of Hawaii</td>
</tr>
<tr>
<td>Curtis, Walter L.</td>
<td>Punahou School</td>
<td>B.A., University of California</td>
</tr>
<tr>
<td>Dawe, John H.</td>
<td>2391 Koa Ave.</td>
<td>L.D.S., University of Saskatchewan</td>
</tr>
<tr>
<td>Deinert, Hilda K.</td>
<td>Wailuku, Maui; 1319 Emma St.</td>
<td>B.A., University of Hawaii</td>
</tr>
<tr>
<td>Donovan, Kathryn</td>
<td>1200 Kilbourn Ave., Tomah, Wis.; 2238 Kalia Rd.</td>
<td>Ed.B., University of Hawaii</td>
</tr>
<tr>
<td>Dow, Gertrude F.</td>
<td>Moana Hotel</td>
<td>B.A., University of Hawaii</td>
</tr>
<tr>
<td>Farden, Lucy S.</td>
<td>2306 Marques St.</td>
<td>B.A., University of Hawaii</td>
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<tr>
<td>Fitch, Edith K.</td>
<td>2997 Kalakaua Ave.</td>
<td>B.A., Martha Washington College</td>
</tr>
<tr>
<td>Gantt, (Mrs.) Beth</td>
<td>Waimanalo, Oahu</td>
<td>B.A., Doane College</td>
</tr>
<tr>
<td>Griggs, Helen C.</td>
<td>Villa Hotel</td>
<td>B.A., University of California</td>
</tr>
<tr>
<td>Hancey, Carlos</td>
<td>264B Kailulani Ave.</td>
<td>B.S., Utah State College</td>
</tr>
<tr>
<td>Hansen, George R.</td>
<td>1427 Whitney St.</td>
<td>B.S., University of Hawaii</td>
</tr>
<tr>
<td>Hardesty, Frances L.</td>
<td>7 Duncan Pl., Jacksonville, Ill.; 3080 Seaview Rise</td>
<td>B.A., MacMurray College</td>
</tr>
<tr>
<td>Hasty, Helen E.</td>
<td>1335 Highview Pl.</td>
<td>B.A., University of Hawaii</td>
</tr>
<tr>
<td>Hayashida, Akiyoshi</td>
<td>1732 Gulick Ave.</td>
<td>M.A., University of Hawaii</td>
</tr>
<tr>
<td>Hockley, Isabel I.</td>
<td>337-A Lewers St.</td>
<td>B.S., University of Hawaii; M.S., Columbia University</td>
</tr>
<tr>
<td>Houghtailing, George K.</td>
<td>1215-E Alexander St.</td>
<td>B.S., University of Dayton</td>
</tr>
<tr>
<td>Ikuta, Shunji</td>
<td>1522 Oliver St.</td>
<td>M.D., University of Pennsylvania</td>
</tr>
<tr>
<td>Karns, Roger T.</td>
<td>375 S. Mentor Ave., Pasadena, Calif.; Mid-Pacific Institute</td>
<td>B.A., Pomona College</td>
</tr>
</tbody>
</table>
Kubo, Earl T., Box 283, Hilo, Hawaii; 1839 Anapuni St.
   B.A., University of Hawaii
Lam, Elsie L., 3514 Kaimuki Ave.
   B.A., Willamette University
Loper, W. Harold, 3738-A Manini Way
   Ed.M., Harvard University
Loper, (Mrs.) Violet G., 3738-A Manini Way
   Ed.M., Harvard University
Luhr, Arthur F., Parker St.
   D.D.S., College of Physicians and Surgeons
Lum, Richard T., 1503-A8 Nuuanu St.
   B.S., University of Hawaii
Mitchell, Dorothy H., 57 Logan Ave., Medford, Mass.; Fort Shafter
   B.A., Tufts College
Moore, W. Harold, 3041 Kalakaua Ave.
   M.E., Stevens Inst. of Technology
Muenter, Hilbert F., Hoyleton, Ill.; Luke Field
   B.A., United States Military Academy
Olmsted, Lillian, 921 So. Madison St., Green Bay, Wis.; 2432 B Tusi­
   B.Ed., National College of Education
Phillipps, Katherine L., 2138 Haena Dr.
   B.A., University of Hawaii
Ramsbotham, Doris R., 25 Thames St., New London, Conn.; Makiki
   Hotel
   B.S., Connecticut College for Women
Richmond, Ethal B., 1852 Leighton Ave., Los Angeles, Calif.; McKin­
   M.A., University of Hawaii
Ross, (Mrs.) Caroline S., 2626 Terrace Drive
   B.A., Vassar College
Sadler, Ethel F., 2444-A Kuhio Ave.
   B.A., University of Hawaii
Schwichtenberg, Charlotte, 2133 N. E. 13th Ave., Portland, Ore.; Kamehameha Schools
   M.A., University of Oregon Medical School
Shoudy, Helen, Ellensburg, Wash.; 2212 McKinley St.
   B.S., University of Washington
Spicer, Mildred G., Hoquiam, Wash.; Kamehameha Schools
   B.S., University of Washington
Springer, Louis F., 2128 Armstrong St.
   B.A., Stanford University
St. Pierre, Ella K., Salem, Ore.; Waialua, Oahu
   B.A., Willamette University
Suzuki, Shinichi, Kahuku, Oahu; 1729 Keaauwoku St.
   B.A., University of Hawaii
Taylor, (Mrs.) Leta T., Courtland Hotel
   B.S., University of Hawaii
Thomas, Robert E., 1328 Wilder Ave.
   B.A., University of Hawaii
Traut, Gladys M., 2238 Helumoa Rd.
   M.A., University of Hawaii
Tyau, Luke M., 1436-1 Lunalilo St.
   B.S., University of Hawaii
Wakayama, Jack K., Kohala, Hawaii; 2003 Waterhouse St.
   B.A., University of Hawaii
Wakukawa, Ernest K., 5 Cunha Lane, No. Vineyard St.
   B.A., Oberlin; M.A., Columbia
Walker, R. T., Magee, Miss.; 1666 Liholiho St.
B.S., University of Mississippi

Warner, Bernice, 28 Ocean View Court, Kaila Rd.
B.S., University of Chicago

Wilkie, Harry, Rosebud, Montana; Dept. Signal Office, Fort Shafter
B.Sc., Montana State College

Wu, Zain Han, Chinese Consulate
B.S.C., China National College

Yates, (Mrs.) Genevieve A., 2745 Manoa Rd.
B.A., University of Illinois

Zane, Dora C., 1736 Wilhelmina Rise
B.S., Simmons College

GRADUATE SCHOOL OF TROPICAL AGRICULTURE

Das, Upendra K., H.S.P.A. Experiment Station
B.S., University of Hawaii, 1927; M.S., University of Hawaii, 1930
(Agriculture)

McBride, Orville C., 2108 Haena Dr.
B.S. in Agric., Missouri University, 1921; M.A., Missouri University, 1922
(Entomology)

Schmidt, Carl T., 2300 Logan Ave. N., Minneapolis, Minn.; Colonial Hotel
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 parenthesis indicate advanced standing credits allowed from other institutions. Roman numerals indicate class—I Freshman, II Sophomore, etc.

Abe, Kazuhisa, 128, 50 (II Pre-Legal) Pepeekeo, Hawaii; 1710 Fort St.
Adams, Richard E., 136, 77 (III Pre-Legal) 1940 Bingham St.
Adolphson, Alice M., 11, 10 (I Lang. & Art) 712 17th Ave.
Ahuna, William, 180, 72 (III Soc. Sci.) P. O. Box 225, Kealakekua, Kona, Hawaii; 3755 Waialae Ave.
Akana, Florence, 239, 116 (IV Soc. Sci.) Hana, Maui; Women’s Dormitory
Alexander, Woodrow W., 37, 19 (24) (II Nat. & Phys. Sci.) Paoli, Oklahoma; 2036 Lanihuli Dr.
Among, William, 272 1/2, 132 (IV Econ. & Bus.) Kaimalino, S. Kona, Hawaii; 3755 Waialae Ave.
Arakawa, Leatrice F., 29, 16 (I Soc. Sci.) Box 487, Waipahu, Oahu
Arita, Mitsu, 176, 86 (III Econ. & Bus.) Box 156, Hakalau, Hawaii; 1018 McCully St.
Arnold, Kathleen, 244 1/2, 111 1/2 (IV Econ. & Bus.) 1006 11th Ave.
Awai, Lillian, 258, 92 (III Econ. & Bus.) Mahukona, Hawaii; 1316 Piikoi St.
Awaya, Susumu, 44, 17 (I Soc. Sci.) P. O. Box 59, Kohala, Hawaii; 3244 Hoolulu St.
Bairos, Margaret C., 181, 57 (II Lang., Lit. & Art) 1829 Makiki St.
Beardmore, Olive F., 93, 46 (II Econ. & Bus.) Waialua, Oahu
Bechert, Mary-Amy, 23, 12 (1 Econ. & Bus.) 2872 Manoa Rd.
Beckley, Metcalf, 87, 44 (II Pre-Legal) 914 16th Ave.
Bento, Stanley F., 45 1/2, 18 1/2 (I Soc. Sci.) Wailuku, Maui; 1406 Alexander St.
Bernheim, Rex, 140, 50 (36) (III Pre-Medical) 2501 Malama Way
Bevins, Barbara, 27, 15 (I Soc. Sci.) Wailuku, Maui; Fernhurst
Blaisdell, Lois, 22, 18 (I Soc. Sci.) 2389 E. Manoa Rd.
Borden, Barbara E., 27, 15 (I Lang., Lit. & Art) 1354 Wilder Ave.
Bowen, Keith, 36, 18 (I Pre-Legal) 1908 Ualakaa St.
Bratcher, Buck, 78, 43 (II Soc. Sci.) Walnut Ridge, Ark.; 1901 Coyne St.
Briggs, Sidney L., 49, 19 (50 1/2) (III Soc. Sci.) 280 Vallejo Dr., Glendale, Calif.; Atherton House
Brillande, Robert, 157, 69 (II Nat. & Phys. Sci.) Brooklyn, N. Y.; Fort Shafter
Brush, Hayden A., 18, 11 (I Econ. & Bus.) Qtrs. 16, Fort Shafter
Buchanan, Elizabeth, 254, 120 (IV Soc. Sci.) Lahaina, Maui; 1219-A Alexander St.
Bull, Kenneth J., 44, 16 (I Econ. & Bus.) Waialua, Oahu; Atherton House
Burkland, Richard L., 210, 86 1/2 (III Econ. & Bus.) 1520 Liholiho St.
Cabral, Ethel, 29, 14 (I Soc. Sci.) 3211 Lincoln Ave.
Calvan, Leonides, 12, 11 (I Soc. Sci.) Bangui, Ilocos Norte, P. I.; 562 S. Queen St.
Cannon, Martha L., 109, 48 (35) (III Lang., Lit. & Art) 985 Alewa Dr.
Cariaga, Roman, 108, 43 (61) (IV Econ. & Bus.) St. Tomas, Batangas, P. I.; 1150 Lanililo St.
Cattion, Alice B., 328, 103 (III Lang., Lit. & Art) 2370 Nuuanu Ave.
Cattion, Jean M., 36, 16 (I Lang., Lit. & Art) 2370 Nuuanu Ave.
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Chang, Clarence, 168, 57 (II Nat. & Phys. Sci.) 164 N. King St.
Chang, Hing Lin, 80, 34 (II Econ. & Bus.) c/o 10 Babington Path, Hong Kong, China; 370 N. King St.
Cheo, Wan Sen, 253, 129 (IV Lang., Lit. & Art) Women's Dormitory
Ching, Chan, 305 1/2, 125 (IV Nat. & Phys. Sci.) P. O. Box 86, Wailuku, Maui; 1941 Dole St.
Ching, Francis M. F., 117, 52 (II Pre-Legal) 1535 Young St.
Ching, George C., 183, 87 (III Soc. Sci.) 1651 Olona Lane
Ching, Hung Leon, 108, 45 (II Econ. & Bus.) 2131 Dole St.
Ching, Lorraine K., 35, 16 (I Soc. Sci.) P. O. Box 236, Port Allen, Kauai; 1416-E Lunaililo St.
<table>
<thead>
<tr>
<th>Name</th>
<th>Age</th>
<th>Year</th>
<th>Major</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ching, Nyuk Shin</td>
<td>39</td>
<td>17</td>
<td>(I Econ. &amp; Bus.) Lawai, Koloa, Kauai</td>
<td>2137 Algeroba St.</td>
</tr>
<tr>
<td>Chollar, G. Ben</td>
<td>35</td>
<td>15</td>
<td>(I Soc. Sci.) 1531 Kewalo St.</td>
<td></td>
</tr>
<tr>
<td>Chong, Ngit Young</td>
<td>229</td>
<td>117</td>
<td>(IV Econ. &amp; Bus.) Box 242, Hilo, Hawaii</td>
<td>3709 Pahoa Ave.</td>
</tr>
<tr>
<td>Chong, Wilfred W. C.</td>
<td>307</td>
<td>119</td>
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<td>Chuck, Harry Y. C.</td>
<td>39</td>
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<td>121</td>
<td>50</td>
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<td>Clark, John K. Jr.</td>
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<td>Davidson, Alexa</td>
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<td>Desha, Adolph H.</td>
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<td>(I Econ. &amp; Bus.) P. O. Box 613, Hilo, Hawaii</td>
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<td>Dodo, Richard M.</td>
<td>289</td>
<td>123</td>
<td>(IV Econ. &amp; Bus.) 115 Ponahawai St., Hilo, Hawaii</td>
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<td>Dolen, Gerald A.</td>
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<td>Donald, Ruth W.</td>
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<td>112</td>
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<td>Du Bois, Charles F.</td>
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<tr>
<td>Duncan, Catherine</td>
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<td>Dunn, Rhoda</td>
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<td>Felix, John M.</td>
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<td>16</td>
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<td>Fernandes, Harry J.</td>
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</table>
Foran, Howard B., 62, 33 (I Soc. Sci.) Holston, Vir.; 9th Sig. Serv.
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8th Ave.
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drew)
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Ave.
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Sgdn., Luke Field
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Hartung, Marguerite E., 151, 50 (II Nat. & Phys. Sci.) 3039 Holei
St.

* To receive degree upon satisfactory completion of 1st year at law school
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<td>Hee, Wah Kin</td>
<td>25, 15</td>
<td>(I Econ. &amp; Bus.) Hanapepe, Kauai; 2336 Coyne Ave.</td>
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<td>Heeb, Ida M.</td>
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<td>161 1/2, 77 1/2</td>
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<td>254, 116</td>
<td>(IV Soc. Sci.)</td>
<td>Box 900, Paia, Maui; 597 S. King St.</td>
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<td>Higa, Benjamin M.</td>
<td>131, 53</td>
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<td>23, 13</td>
<td>(I Soc. Sci.) 903 Makahiki Way; Mid-Pacific Dormitory</td>
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</table>

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Iwasa, Yukio, 87, 42 (II Soc. Sci.) Chibaken, Japan; c/o Gulick Service Station
Johnson, Angelina A., 65, 23 (I Lang., Lit. & Art) Waiauako, Maui; 2024 Date St.
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<th>Major</th>
<th>Address</th>
</tr>
</thead>
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<td>Box 86, Puunene, Maui</td>
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<td>Swanson, Marie A. C.</td>
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<td>109, 51</td>
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<td>1847 Fort St.</td>
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<tr>
<td>Tahara, Yoshiko</td>
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<tr>
<td>Taira, Robert</td>
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<td>(I Soc. Sci.)</td>
<td>2065 Kamehameha IVth Rd.</td>
</tr>
<tr>
<td>Takahashi, Shuichi</td>
<td>264, 125</td>
<td>(IV Lang., Lit. &amp; Art)</td>
<td>Toyama, Japan; 39 N. Vineyard St.</td>
</tr>
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<td>84, 54</td>
<td>(II Pre-Legal)</td>
<td>1636 Clark St.</td>
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<tr>
<td>Tam, Reuben</td>
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<tr>
<td>Tamai, Edward</td>
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<td>(I Econ. &amp; Bus.)</td>
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<tr>
<td>Tamanaka, Nobuichi</td>
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<td>(I Soc. Sci.)</td>
<td>Paia, Maui; 2757 Puuohouna</td>
</tr>
<tr>
<td>Tamura, (Mrs. Mathilda H.)</td>
<td>194, 63</td>
<td>(II Lang., Lit. &amp; Art)</td>
<td>Peninsular, Pearl City, Oahu</td>
</tr>
<tr>
<td>Tan, Peace Y. P.</td>
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<tr>
<td>Tan, Raymond B. M.</td>
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<tr>
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<td>Thaanum, William</td>
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<tr>
<td>Thone, Margaret E.</td>
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<tr>
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<tr>
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* To receive degree upon satisfactory completion of 1st year at Medical School.
<table>
<thead>
<tr>
<th>Name</th>
<th>Class</th>
<th>Major</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Martinez, Angel</td>
<td>88, 49</td>
<td>(II Civ. Eng.) Salvation Army Boy's Home</td>
<td>Salvation Army Boy's Home</td>
</tr>
<tr>
<td>Maruyama, Charles I.</td>
<td>207, 92</td>
<td>(III Agric.) 57 S. Kuakini St.</td>
<td>57 S. Kuakini St.</td>
</tr>
<tr>
<td>Masuda, Miyuki K.</td>
<td>34, 14</td>
<td>(I Agric.) 1217 Nuuanu St.; 1840 Anapuni St.</td>
<td>1217 Nuuanu St.; 1840 Anapuni St.</td>
</tr>
<tr>
<td>Masumoto, Stanley K.</td>
<td>107, 62</td>
<td>(II Pre-Medical) Box 584, Wailuku, Maui; 1840 Nuuanu Ave.</td>
<td>Box 584, Wailuku, Maui; 1840 Nuuanu Ave.</td>
</tr>
<tr>
<td>Matoi, Isao</td>
<td>23, 12</td>
<td>(I Gen. Sci.) Haiku, Maui; 703 S. King St.</td>
<td>Haiku, Maui; 703 S. King St.</td>
</tr>
<tr>
<td>Matsuda, Shoichi</td>
<td>77, 44</td>
<td>(II Civ. Eng.) R.F.D. Route 1-105, Hilo, Hawaii; 741 16th Ave.</td>
<td>1017 R.F.D. Route 1-105, Hilo, Hawaii; 741 16th Ave.</td>
</tr>
<tr>
<td>Matsuo, Kōichiro Roy</td>
<td>31, 18</td>
<td>(I Agric.) 1027 8th Ave.</td>
<td>1027 8th Ave.</td>
</tr>
<tr>
<td>Matsuoka, Edward T.</td>
<td>32, 16</td>
<td>(I Gen. Sci.) 9 Miles, Olaa, Hawaii; 221 N. Queen St.</td>
<td>9 Miles, Olaa, Hawaii; 221 N. Queen St.</td>
</tr>
<tr>
<td>McClellan, Fred L.</td>
<td>25, 14</td>
<td>(I Sug. Tech.) 1087 Kaili St.</td>
<td>1087 Kaili St.</td>
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<tr>
<td>McKaig, Warren L.</td>
<td>113, 39</td>
<td>(III Civ. Eng.) Qtrs. 6, Fort De Russy</td>
<td>Qtrs. 6, Fort De Russy</td>
</tr>
<tr>
<td>McKinney, Lee E.,</td>
<td>17, 5</td>
<td>(I Gen. Sci.) Kahului, Maui; Atherton House</td>
<td>Kahului, Maui; Atherton House</td>
</tr>
<tr>
<td>Mendonca, Adolph J.</td>
<td>176, 81</td>
<td>(III Civ. Eng.) 2411 Rose St.</td>
<td>2411 Rose St.</td>
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<tr>
<td>Miller, Jane H.,</td>
<td>24, 8</td>
<td>(I Pre-Dental) 4044 Black Point Rd.</td>
<td>4044 Black Point Rd.</td>
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<tr>
<td>Milne, John</td>
<td>44, 18</td>
<td>(I Civ. Eng.) Drytach., Portsoy, Banffshire, Scotland; Atherton House</td>
<td>Drytach., Portsoy, Banffshire, Scotland; Atherton House</td>
</tr>
<tr>
<td>Miyake, Shinji</td>
<td>364, 129</td>
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<td>Paauilo, Hawaii; 1749-F Self Lane</td>
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<tr>
<td>Murakami, Kenneth I.</td>
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<tr>
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<tr>
<td>Nakahara, James M.</td>
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<tr>
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White, Richard, 114, 59 (II Gen. Sci.) Naval Hospital, Pearl Harbor
Whitmarsh, John, 100, 49 (II Civ. Eng.) Kealakekua, Hawaii; 1705 Gulick Ave.
Whittington, Elizabeth, 183, 88 (III Home Economics) Waiohinu, Kau, Hawaii; 2050 Mohala Way
Williams, James K., 29, 19 (I Home Econ.) 3201 Oahu Ave.
Wong, Raymond Y. C., 206, 93 (III Voc. Educ., Agric.) 1742 Fort St.
Wong, Andrew S., 186, 61 (II Pre-Medical) 1226 9th Ave.
Wong, Benjamin, 79, 50 (II Civ. Eng.) 2457-W Auld Lane
Wong, Chew Young, 47, 19 (I Home Econ.) H Pawale Lane
Wong, Frank S. H., 220½, 113 (III Civ. Eng.) 1709-G Iliahi St.
Wong, Hong Lin, 411, 131 (IV Voc. Educ., H. E.) Box 166, Paia, Maui; Women's Dormitory
Wong, Kamehameha, 54, 24 (I Pre-Medical) 2012 Pacific Heights
Wong, Nora K. H., 323, 134 (IV Home Econ.) Hau, Hawaii; 1908 Coyne St.
Wong, Walter C., 609, 157 (IV Civ. Eng.) 1845-F Elena St.
Wong, Yau Wai, 66 (III Agric.) Chungshan, Ha Chak, Tung On Hsien, Canton, China
Wright, Marion, 230, 101 (III Home Econ.) 2162 Atherton Rd.
Yamagata, Mildred A., 47, 19 (I Home Econ.) Box 24, Ninole, Hawaii; 1261 Center St.
Yamamoto, Etsuko, 90, 46 (II Home Econ.) Box 16, Hilo, Hawaii; 79 N. School St.
Yamamoto, Misako, 30, 15 (I Pre-Nursing) 912-C Ahana Lane
Yamamoto, Tadao, 45, 19 (I Pre-Medical) 402 Keawe St.
Register of Students

Yamasaki, Yachiyo, 46, 19 (I Home Econ.) Haiku, Maui; 635 11th Ave.
Yankoff, Victor I., 120, 63 (II Civ. Eng.) 41, Kitaiskaya St., Harbin, Manchukou; Central Y.M.C.A.
Yee, Albert L. Y., 42, 19 (I Civ. Eng.) 1844 Meli Lane, off Funchal St.
*Yee, Lester F., 451½, 121 (IV Pre-Medical) Harvard Medical School, Boston, Mass.
Yee, Ping Kam, 43, 16 (I Gen. Sci.) 1641 Nuuanu St.
Yim, Stanley H., 17, 13 (I Gen. Sci.) 1625-D Liliha St.
Yonge, Helen, 245, 82 (III Home Econ.) Waipahu, Oahu; 2410-B E. Manoa Rd.
Yoshioka, Tadao, 294, 127 (IV Agric.) 1750 Kamehameha IVth Rd.
Young, Ah Fai, 89, 42 (II Civ. Eng.) 1648 Palama St.
Young, Koon Butt, 25, 12 (I Gen. Sci.) Box 1438, Honolulu.
Yuen, Bessie M. H., 175, 56 (II Voc. Educ., H. E.) 1155-A Young St.
Yuen, Elsie, 41, 17 (I Pre-Nursing) Box 281, Kapaa, Kauai; 140 S. Beretania St.

* To receive degree upon satisfactory completion of 1st year at Medical School.

TEACHERS COLLEGE
Candidates for Fifth-Year Certificates

Ayau, Lei O., Hoolehua, Molokai; 923 Lokahi St.
Capellas, Eugene S., Jr., Box C, Hakalau, Hawaii; 1925 Dole St.
Chang, Edna L. U., 35-B Kuakini St.
Ching, Myra L., 3473 Hardesty St.
Chock, Edith S., 1485 Liliha St.
Chong, Mabel K., 1726 Clark St.
*Chun, Sun Oi, 2054 S. Beretania St.
Chung, Juliette, 225 Huali St.
*Dang, Violet N., 3378 Kilauea Ave.
Espinda, Nani K., 2115 Coyne Ave.
Fraser, Arthur, 1039-D Pua Lane
*Goo, Vivian, 2106 N. School St.
Jewett, Evelyn M., 165 Hinano St., Hilo Hawaii; 3230 Hayden St.
Kashiwa, Edith S., Box 165, Waialua, Oahu; 925 Kapaaakea Lane
Kim, Bernice B., 1814 Puowaina Dr.
*Kubota, Masako, Box 306, Waimea, Kauai; 2412 Oahu Ave.
Leong, Ah Jook, 934 8th Ave.
Liu, Eleanor Y., 1301 Lusitana St.
Luke, Kwai Nyan, 1308 Date Way
Lum, Mary, 3502 Campbell Ave.
Mackenzie, Muriel H., 1843-F Naopala Lane
McGregor, Marion F., 1165 McGregor Lane
McMahon, Patricia, 1118 19th Ave.

* Entered 5th year work in February
University of Hawaii

Nakamura, Shigeo, Kealia, Kauai; 2856 Winam Ave.
Nakano, Shizuko, Hamakua-poko, Maui; Women's Dormitory
Nakata, Henry S., 967 Akepo Lane
*Nip, Dorothy M., 1623 Fort St.
Nomura, Eleanor S., Box 174, Hilo, Hawaii; 1578 Nuuanu St.
Oka, Richard T., Box 38, Mountain View, Hawaii; 421 N. Vineyard St.
Okubo, Sakiko, 3514 Maluhia St.
Piltz, Winifred, 839 7th Ave.
Ralston, Evangeline L., 702 10th Ave.
Sugiyama, Kiyoko, Box 8, Hilo, N. Kona, Hawaii; 2107 Atherton Rd.
Takumi, Mae M., Hamakua-poko, Maui; 2143 Mohala Way (Withdrawn)
Tamano, Helen H., 1466 S. King St.
*Yamaguchi, Daisy, Box 298, Pahoa, Hawaii; 1429 Makiki St.
*Yoneda, Edith, 1143 Kaili St.
Yoshida, Hazel, 1902 Bingham St.
Young, Lily B., Box 342, Hilo, Hawaii; Mid-Pacific Dormitory
*Young, Margaret, 1654-B Liliha St.

Undergraduates

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 parenthesis indicate advanced standing credits allowed from other institutions. Roman numerals indicate class—I Freshman, II Sophomore, etc.

Abshire, Marie Eileen, 107, 49 (II) 943 12th Ave.
Ai, Olive H., 305, 126 (IV) 1266 Ekahana Ave.
Aiwohi, Francis K., 410½, 133 (IV) 69 Wyllie St.
Akamu, Florence S., 179, 81 (III) Naalehu, Kau, Hawaii; 2610 Ma-noa Rd.
Aki, Ruth A., 42, 17 (I) P. O. Box 2, Kapaa, Kauai; Women's Dormitory
Ako, Esther Y., 96, 50 (II) 148 S. School St.
Alves, Josephine, 215, 83 (III) Ewa, Oahu; 3152 Mokihana St.
Amoy, Lynette H., 232, 89 (III) 3755 Waialae Rd.
Arakawa, Gladys K., 259, 85 (III) 227 N. Vineyard St.
Ash, (Mrs.) Trude M., 178, 53 (61) (IV) 200 Dewey Ave.
Astonford, Ilda, 147, 51 (68½) (IV) 1235 10th Ave.
Au, Anna K., 243, 85 (III) 989 Akepo Lane
Au, Margaret H., 83, 48 (II) 60 Kukui Lane
Baptiste, Helen R., 227, 114 (IV) Box 65, Koloa, Kauai; 247 Merchant St.
Bento, Charles, 44, 22 (I) Wailuku, Maui; 1406 Alexander St.
Berger, (Mrs.) Grace L., 20, 6 (102) (IV) Punahou School.
Boyrce, Jessie N., 178, 55 (70) (IV) 1525 Liholiho St.
Burmeister, (Mrs.) Tamara R., 199, 77 (46) (IV) Kamehameha School
Capellas, Laurence J., 234, 93 (III) Hakalau, Hawaii; 1925 Dole St.
Cha, Ellen S., 37, 16 (I) 1258 Hall St., Apt. 4

* Entered 5th year work in February.
Register of Students

Chang, Annie A., 355, 117 (IV) 1836-C Boyd Lane
Chang, Frances H., 32, 16 (I) Waimea, Kauai; 935 7th Ave.
Chang, Jasmine Y., 18, 11 (I) 1934 S. King St.
Char, Esther T., 380, 128 (IV) 854 8th Ave.
Char, Lillie K., 316, 117 (IV) 1548 Young St.
Char, Rosalie S., 296, 115 (IV) 602 Holokahana Lane
Ching, Bertha A. Y., 22, 16 (I) 1344 Moi Way
Ching, Ellen 191, 66 (III) Hanalei, Kauai; 3401 Maunaloa Ave.
(withdrew)
Ching, Marietta M., 100, 47 (II) 1904 6th Ave.
Ching, Priscilla, 252, 119 (IV) Box 66, Wailuku, Maui; 2027-D S. Beretania St.
Chock, Daisy, 308, 116 (IV) 3413 Pahoa Ave.
Chock, Nellie M., 309, 123 (IV) 927 10th Ave.
Chow, Bertha A. Y., 22, 16 (I) 1344 Moi Way
Chow, Doris K., 32, 16 (I) 1018 Nuuanu St.
Chun, Eleanor S., 270, 99 (III) 1540 Leilani St.
Chun, Lydia C., 42, 17 (I) Box 24, Kukuihaele, Hawaii; 1424 10th Ave.
Chun, Sun Oi, 434, 130 (IV) 2054 S. Beretania St.
Chun, Wai June, 357, 113 (IV) 1050 S. Beretania St.
Chung, Morni P., 231, 91 (III) 2129 Eluwene St.
Coke, Lucille K., 236, 115 (IV) Waiehu, Maui; 507 S. King St.
Cooper, Georgina, 232, 85 (I) Hana, Maui; 2370 Mauna Loa Ave.
Cobly, (Mrs.) LuLu, 132, 45 (III) 2910 Cocoanut Ave.
Coxhead, (Mrs.) Anna L., 181, 65 (IV) 1932 Awapuhi St.
*Dang, Violet N., 320, 134 (IV) 3378 Kilauea Ave.
Davis, Hattie, 265, 119 (IV) Pauwela, Maui; Women's Dormitory
DeMello, Florence E., 24, 13 (I) 3462 Hardesty St.
Deponte, Lionel V., 32, 17 (I) Spreckelsville, Maui; 3619 Oahu Ave.
Doi, Lillian H., 216, 86 (I) (III) Kapaa, Kauai; c/o Mrs. Tachikawa, 1245 Elm St.
vander Duker, Berta, 109, 42 (II) 2115 Damon St.
Ego, Haruko, 17, 10 (I) Lihue, Kauai; 3144 Aika Dr.
Emoto, Kuulei H., 37, 17 (I) 2280 Pacific Heights
Eto, Yoshiai, 173, 54 (II) 626 Iwilei Rd.
Everly, Hubert V., 69, 22 (I) Box 25-A, Pacific Beach, Calif.; Ather­ton House
Fernandes, Edna L., 188½, 77 (III) Box 32, Makaweli, Kauai; 3738-B Manini Way
Fernandez, Helen A., 0, 0 (I) Kekaha, Kauai; Sacred Hearts Academy
Ferreira, Elsie, 263, 115 (IV) Aiea, Oahu; 3217 Francis St.
Fleming, Marion D., 164, 50 (II) Lahaina, Maui; 2065 Lanihuli Dr.
Fong, Violet M., 281, 113 (IV) 2011 Dole St.
Forsythe, Louise L., 238, 113 (IV) Laie, Oahu; 2120 Wilder Ave.
Fozzard, (Mrs.) Sarah E., 152, 58 (IV) 1651 Kalakaua Ave.
Frack, Melvin H., 63, 25 (96 2/3) (IV) Ferndale, Wash.; 2627 Wao­lani Ave.
Freitas, Henrietta, 364, 116 (2 2/3) (IV) 1415 Lauhala St.
Frow, Margaret M., 167, 52 (75) (IV) 1019 18th Ave.
Pujii, Yaeko, 289, 119 (IV) 544 Kalihi St.
Fukabori, Lionel T., 238, 110 (IV) Box 470, Waipahu, Oahu
Fukuhara, Tomi, 196, 81 (III) 1256-E Palm Dr.

* Entered 5th year work in February.
Furtado, Libana N., 271, 121 (IV) Lahaina, Maui; 1220 Farrington St.
Garcia, Carmen, 58½, 16½ (I) Wailuku, Maui; 1406 Alexander St.
*Goo, Vivian, 300, 130 (3) (IV) 2106 N. School St.
Goto, Lily Y., 231, 91 (III) Box 20, Honoumu, Hawaii; 2289 Kamehame Ave.
Goto, Mildred M., 263, 117 (IV) Ewa, Oahu; 770 Wiliwili St.
Hamada, Florence, 237, 82 (III) Box 87, Kapaa, Kauai; Mid-Pacific Dormitory
Hamada, Yukio, 369, 132 (IV) 907 Kamehame Ave., Hilo, Hawaii; 2113 S. Beretania St.
Hamamoto, Edna S., 105, 50 (II) 1902 Young St.
Hamamoto, Kuniko, 144, 76 (III) Box 70, Hilo, Hawaii; 1148 Fort St.
Hee, Irene K., 188, 82 (III) 2113 Bingham St.
Higaki, Hisako V., 123, 49 (II) Box 34, Honoumu, Hawaii; 2180 Atherton Rd.
Ho, Florence Y., 223, 115 (IV) 1809 Dole St.
Ho, Kim Lan K., 218, 121 (IV) 1918 Huina St.
Ho, Verena C., 250, 120 (IV) 1063-A Lunailo St.
Hokada, Elsie F., 354, 123 (IV) Box 185, Waimea, Kauai; 946 Thompson St.
Hong, Naomi, 170, 81 (III) Box 118, Wahiawa, Oahu; 2424 Coyne St.
Hoshino, Helen M., 225, 82 (III) Box 176, Wahiawa, Oahu; 1037 Kinai St.
Hoshino, Mae, 40, 17 (I) Box 176, Wahiawa, Oahu; 1037 Kinai St.
Hulihiei, Elizabeth M., 29, 17 (I) Eleelwe, aKuai; 597 S. King St.
Hussey, Beatrice M., 258, 118 (IV) P. O. Box 455, Wailuku, Maui; 597 S. King St.
Huntace, Edward C., 35, 14 (I) 1638 Young St.
Indie, Adeline, 30, 16 (I) 1716 Palolo Ave.
Ing, Mabel L., 297, 120 (IV) 3014 Gulston St.
Ing, Rebecca Y., 259, 131 (IV) 1136 8th Ave.
Itamura, Noboru, 170, 74 (III) Paia, Maui; 1710 Fort St.
Iwashita, Namiko, 37, 17 (I) Kealakekua, Kona, Hawaii; 947 4th Ave.
Jay, Kwi Lan, 265, 130 (IV) 1158 Lunailo St.
Jay, Mew Yung, 211½, 86½ (III) 802 Kalahi St.
Joao, Florence K., 14, 8 (I) Kaunakakai, Molokai; 2055 Colburn St.
Kapheaku, Sadie B., 191½, 86½ (III) 3490 Hayden St.
Kan, Dorothy A., 20, 13 (I) 1141 1st Ave.
Kamada, Mitsao, 301, 116 (IV) Box 863, Lihue, Kauai; Mid-Pacific Dormitory
Kameda, Gladys H., 40, 17 (I) 1460-B Gandall Lane
Kanda, Hideko, 175, 74 (III) Box 61, Wailuku, Maui; 1422 Dominis St.
Kaneshiro, Mitsue I., 18½, 13½ (I) Box 535, Lahaina, Maui; 2015 Lanaihili Dr.
Kashihara, Yoshiko I., 49, 17 (I) Waialua, Oahu; 925 Kapaakea Lane
Kau, Lucy S., 366, 125 (IV) 1858 Liliha St.
Kawamura, Maizie T., 261, 116 (IV) Box 303, Hilo, Hawaii; 597 S. King St.
Kawasaki, Haruko, 139, 50 (II) Box 61, Wailuku, Maui; 2703 Lowrey Ave.
Kaya, Yoriko, 383, 116 (IV) 1834 Lusitana St.
Kim, Gladys S., 40, 17 (I) 1727 Makiki St.
Kim, Yealeme, 260, 85 (III) 347-5 Buckle Lane

* Entered 5th year work in February.
## Register of Students

<table>
<thead>
<tr>
<th>Name</th>
<th>Age</th>
<th>Class</th>
<th>Address</th>
<th>Room</th>
<th>Phone</th>
</tr>
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<tbody>
<tr>
<td>Kinney, Hazel L.</td>
<td>268</td>
<td>119</td>
<td>Box 26, Hanapepe, Kauai; Women's Dormitory</td>
<td></td>
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<tr>
<td>Kobayashi, Rosaline K.</td>
<td>84</td>
<td>47</td>
<td>Box 44, Hanalei, Kauai; 2231 Hyde St.</td>
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<tr>
<td>Kong, Anita C.</td>
<td>20</td>
<td>1½</td>
<td>2459 Liliha St.</td>
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<td>Kong, Irma T.</td>
<td>295</td>
<td>131</td>
<td>2459 Liliha St.</td>
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<td>Kotake, Doris M.</td>
<td>438</td>
<td>125</td>
<td>Box 118, Honokaa, Hawaii; 2337 E. Manoa Rd.</td>
<td></td>
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<tr>
<td>Krantz, (Mrs.) Henryetta C.</td>
<td>101</td>
<td>27</td>
<td>(89 1/3) (IV) 757 12th Ave.</td>
<td></td>
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<tr>
<td>Kubota, Masako</td>
<td>424</td>
<td>129</td>
<td>Box 306, Waimea, Kauai; 2412 Oahu Ave.</td>
<td></td>
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<td>Kunioki, Satoe</td>
<td>342</td>
<td>134</td>
<td>Waiakea, Maui; 2132 Atherton Rd.</td>
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<td>Kuraoka, Clara S.</td>
<td>2313</td>
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<td>Nuuanu Ave.</td>
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<tr>
<td>Kuwamoto, Florence M.</td>
<td>210</td>
<td>85</td>
<td>(III) 3148 Charles St.</td>
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<td>Kwon, Manuel</td>
<td>270</td>
<td>83</td>
<td>(34) (IV) Lahaina, Maui; Atherton House</td>
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<tr>
<td>Lau, Violet Y.</td>
<td>57</td>
<td>34</td>
<td>(II) 1216 Kinau St.</td>
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<tr>
<td>Lee, Abbie K.</td>
<td>212</td>
<td>86</td>
<td>(III) 1199 Kilauea Ave., Hilo, Hawaii;</td>
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<tr>
<td>Lee, Aheong P.</td>
<td>52</td>
<td>16</td>
<td>(I) Lahaina, Maui; 2416-B Notley St.</td>
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<td>Lee, Genevieve K.</td>
<td>220</td>
<td>113</td>
<td>(6) (IV) 2136 S. King St.</td>
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<tr>
<td>Lee, Irene K.</td>
<td>52</td>
<td>17</td>
<td>Box 271, Paia, Maui; 2120 Bingham St.</td>
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<tr>
<td>Lee, Leatrice M.</td>
<td>37</td>
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<td>(I) 18-346 N. Vineyard St.</td>
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<tr>
<td>Lee, Lucy W.</td>
<td>321</td>
<td>130</td>
<td>(IV) 3811 Mauna Loa Ave.</td>
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<tr>
<td>Leong, Choy Wun</td>
<td>289</td>
<td>114</td>
<td>(IV) 330 McNell St.</td>
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<tr>
<td>Li, Florence S.</td>
<td>254</td>
<td>118</td>
<td>(IV) 1523 Alexander St.</td>
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<tr>
<td>Li, Elin</td>
<td>188</td>
<td>87</td>
<td>(III) Ewa, Oahu</td>
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<td>Lovell, James W.</td>
<td>53</td>
<td>20</td>
<td>(98 2/3) (IV) 1219 Alexander St.</td>
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<tr>
<td>Low, Eleanor G.</td>
<td>429</td>
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<td>(IV) 2236 Young St.</td>
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<tr>
<td>Lum, Beatrice S.</td>
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<td>17</td>
<td>(I) 2032 S. Beretania St.</td>
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<td>Lum, Gladys A.</td>
<td>196</td>
<td>84</td>
<td>(III) 3171 Kaimuki Ave.</td>
<td></td>
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<tr>
<td>Mackenzie, Lawrence H.</td>
<td>194</td>
<td>54</td>
<td>(79) (IV) 1412 St. Louis Dr.</td>
<td></td>
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<tr>
<td>Martin, Richard P.</td>
<td>263</td>
<td>½</td>
<td>100 ½ (IV) Pleasanton Hotel</td>
<td></td>
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<tr>
<td>Masuda, Horace M.</td>
<td>198</td>
<td>89</td>
<td>(III) Box 1316, Honolulu</td>
<td></td>
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<tr>
<td>Masuda, Matsuko</td>
<td>428</td>
<td>123</td>
<td>(IV) Box 7, Kapaa, Kauai; c/o Hideichi</td>
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<td>Kawasuki, 1471 S. King St.</td>
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<td>Masumoto, Norio C.</td>
<td>207</td>
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<td>(III) 618 Winant St.</td>
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<tr>
<td>Matsumoto, Susumu</td>
<td>390</td>
<td>117</td>
<td>(IV) Haiku, Maui; 703 S. King St.</td>
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<tr>
<td>Matsushita, Shizuko</td>
<td>27</td>
<td>14</td>
<td>(I) Box 418, Haiku, Maui; 706 Prospect St.</td>
<td></td>
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<tr>
<td>Matsuysama, Helen F.</td>
<td>35</td>
<td>16</td>
<td>(I) Box 183, Waipahu, Oahu</td>
<td></td>
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<tr>
<td>Mau, Lucie A.</td>
<td>335</td>
<td>130</td>
<td>(IV) 1310 McCully St.</td>
<td></td>
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<tr>
<td>Mau, (Mrs.) Marion L.</td>
<td>372</td>
<td>126</td>
<td>(IV) 952 10th Ave.</td>
<td></td>
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<tr>
<td>McAlister, William V.</td>
<td>32</td>
<td>12</td>
<td>(71) (III) 331 Alta Ave., Whittier, Calif.;</td>
<td></td>
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</tr>
<tr>
<td>Medeiros, Evelyn A.</td>
<td>45</td>
<td>17</td>
<td>(32 ½) (II) Box 77, Paia, Maui; 597 S. King St.</td>
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<tr>
<td>Merrill, Dorothy C.</td>
<td>326</td>
<td>120</td>
<td>(IV) Box 3289, Honolulu</td>
<td></td>
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<tr>
<td>Miles, Erwin L.</td>
<td>148</td>
<td>52</td>
<td>(74) (IV) 821 Ocean View Dr.</td>
<td></td>
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</tr>
<tr>
<td>Mikiyama, Hazel A.</td>
<td>168</td>
<td>86</td>
<td>(III) 1788 Ala Moana Rd.</td>
<td></td>
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<tr>
<td>Mikiyama, Richard S.</td>
<td>178</td>
<td>53</td>
<td>(II) 1788 Ala Moana Rd.</td>
<td></td>
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<tr>
<td>Miu, Hannah</td>
<td>277</td>
<td>116</td>
<td>(2) (IV) Lihue, Kauai; c/o Mrs. A. G. D. Rust, Punahou Campus</td>
<td></td>
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</tr>
</tbody>
</table>

* Entered 5th year work in February.
Miyahara, Ou, 367, 126 (IV) 1445-E Kewalo St.
Mizuha, Jack H., 418½, 122 (IV) Waihee, Maui; 1239 S. King St.
Monden, Harriet, 176, 82 (III) 1571 Kauluwela Lane
Monden, Margaret H., 45, 17 (I) 1571 Kauluwela Lane
Mueller, William M., 169, 89 (III) Box 87, Lihue, Kauai; 1028 Pii-koi St.
Murasawa, Violet M., 282, 117 (IV) Naalehu, Hawaii; 1804 Hune-
well St.
Nagai, Margaret F., 45, 23 (I) 1661-B Waikahalulu Lane
Nagakura, Suzuko E., 41, 16 (I) 17 Kilohana St., Hilo, Hawaii; 527
Kaiwila St.
Nakamura, Katsuko, 183, 80 (III) 222 Paoakalani St.
Nakamura, Yutaka, 27, 14 (I) 902 Pumehana St.
Nakasone, Toki, 267, 81 (III) Box 345, Lahaina, Maui; 2206 Wilder
Ave.
Nakatsuji, (Mrs.) Stella Y., 259, 131 (IV) 2118 Algeroba St.
Narimatsu, Harold M., 304, 126 (IV) Box 145, Peahi, Haiku, Maui;
Atherton House
*Nip, Dorothy M., 397, 130 (IV) 1623 Fort St.
Nishiyama, Eleanor S., 307, 116 (IV) Box 414, Hakalau, Hawaii;
1578 Nuuanu St.
Nunes, Stephen L., 211, 92 (III) Wailea, Hakalau, Hawaii; 1925
Dole St.
O'Brien, Edwina L., 213, 86 (III) 1324 9th Ave.
Okabe, Charles J., 283, 122 (IV) 2012 Young St.
Okabe, Daisy S., 405, 119 (IV) 2012 Young St.
Okamuro, Hayako, 107, 48 (II) 910 14th Ave.
Okubito, Setsu, 193, 104 (IV) 3337 Catharine St.
Punohu, Marita K., 232, 116 (IV) 1812 Ashford St.
Rothrock, Sam F., 33, 15 (53) (III) 2446 Park Ave., La Verne,
Calif.; Atherton House
Sagawa, Constance F., 244, 117 (IV) 212 Huali St.
Sakamoto, Dorothy T., 384, 115 (IV) 853 Kawaihaao St.
Sasaku, Hideko B., 314, 114 (IV) Box 327, Lahaina, Maui; 1927 S.
Beretania St.
Schwallie, Wilhelmina, 296, 124 (IV) 935 10th Ave.
Segawa, Fumiko, 358, 119 (IV) 1441 Johnson Lane
Seong, Momi S., 132, 49 (II) Lahaina, Maui; 1319 Emma St.
Sev, Helen G., 200, 82 (III) Aiea, Oahu; 2108 S. King St.
Shinoda, Dorothy H., 240, 116 (IV) 1908 Waiola St.
Shintani, Patsy S., 312, 115 (IV) Koloa, Kauai; 912 Pumehana St.
Shiroyama, Chiyoko, 195, 82 (III) 110 Mamane St., Hilo, Hawaii;
597 S. King St.
Siebert, Henrietta, 261, 123 (IV) 2705 Rooke Ave.
Silva, John F., 125, 78 (III) Honomu, Hawaii; 843 9th Ave.
Silva, Manuel P., 272, 114 (IV) Box 883, Hilo, Hawaii; 2020 9th Ave.

* Entered 5th year work in February.
Silva, Therese, 31, 17 (I) Kalaheo, Kauai; 597 S. King St.
Smith, Margaret H., 112, 48 (II) 1660 Pensacola St.
Soo, Harriet F., 270, 114 (IV) 1712 Olona Lane
Souza, Belma, 198, 86 (III) Kekaha, Kauai; 597 S. King St.
Sproat, Thelma K., 323, 115 (IV) 920 11th Ave.
Suwama, Emiko, 271, 114 (IV) Box 387, Hilo, Hawaii; 597 S. King St.
Suzuki, Alice W., 39, 16 (I) 1289 S. King St.
Takano, Sakae, 183, 58 (II) Box 141, Wahiawa, Oahu
Taketa, Helene U., 362, 122 (IV) Hanalei, Kauai; 1148 Lunalilo St.
Tanioka, Toshie, 344, 111 (2) (IV) Kurtistown, Hawaii; 2728 Hillside Ave.
Tenn, Ellen Y., 113, 48 (II) Kohala, Hawaii; 1927 Coyne St.
Teshima, Dorothy H., 207, 86 (III) 6 Davies Lane
Teshima, Lily S., 133, 49 (II) Box 106, Wailuku, Maui; 597 S. King St.
Teshima, May, 276, 112 (IV) Wailuku, Maui; 597 S. King St.
Thompson, Dorothy M., 51, 23 (6) (I) 2133 McKinley St.
Ting, Margaret, 260, 102 (III) Box 162, Wailuku, Maui; Women's Dormitory
Tokunaga, Ethel C., 309, 132 (IV) 817 Paani St.
Tom, Ellen, 281, 116 (IV) 1095 Beretania St.
Tong, Mew Lee, 152, 66 (64) (IV) Waipahu School, Waipahu, Oahu; 32 Dimond Lane
Toomey, Rose K., 269, 123 (IV) 3678 Leahi Ave.
Tsugawa, Doris C., 355, 114 (2) (IV) Box 54, Kurtistown, Hawaii; Mid-Pacific Dormitory
Tyau, Dorothy, 359, 124 (IV) 1772 Lusitana St.
Tyau, Gertrude S., 171, 91 (III) 320 Iolani Ave.
Tyau, Henry T., 352, 136 (IV) 942 N. King St.
Ukauka, Aileen K., 90, 48 (II) Box 167, Honokaa, Hawaii; 2650 Lowrey Ave.
Vierra, Beatrice C., 97, 47 (II) Box 53, Wailuku, Maui; 2703 Lowrey Ave.
Watanabe, Kimiyo, 340½, 114½ (IV) Lihue, Kauai; Punahou Campus
Watanabe, Sumi, 135, 44 (II) Box 53, Wailuku, Maui; 2703 Lowrey Ave.
Wela, Sarah K., 92, 48 (II) Box 133, Laupahoehoe, Hawaii; 597 S. King St.
Whang, Elizabeth, 33, 14 (I) 1709 S. Beretania St.
Wist, Zoe A., 260, 94 (III) 2128 Oahu Ave.
Wong, David K., 337, 124 (IV) 1512 1o Lane
Wong, Florian H., 120, 55 (II) 1709-G Iliahi St.
Wong, Hong K., 57½, 18½ (I) Box 166, Paia, Maui; Women's Dormitory
Wong, Marion Y., 149, 49 (II) 3255 Nuuanu Ave.
*Yamaguchi, Daisy, 434, 139 (IV) Box 298, Pahoa, Hawaii; 1429 Makiki St.
Yamamoto, Tsuruo, 285, 115 (IV) 793-B Archer Lane
Yamamoto, Yuri K., 55, 17 (I) Hawi, Kohala, Hawaii; 1429 Makiki St.
Yamanaga, Mitsuyo, 195, 18 (III) 1951 Fort St.
Yamane, Yukino, 366, 123 (IV) 2295 N. King St.

* Entered 5th year work in February.
Yanagi, Tamayo T., 211, 93 (III) Holualoa, N. Kona, Hawaii; 913 Kahuna Lane.

Yanagihara, June U., 83, 32 (I) Box 5, Hilo, Hawaii; 935 8th Ave.

Yang, Ellen, 180, 81 (III) Box 178, Wahiawa, Oahu; 2891 Oahu Ave.

Yap, Beatrice M. Y., 107, 51 (II) 1600 Kamamalu Ave.

Yasutake, Thelma C., 195, 85 (III) Box 3845, Honolulu.

Yee, Hazel S., 108, 56 (II) 1641 Nuuanu St.

Yim, Dorothy E., 51½, 16½ (I) 804 16th Ave.

*Yoneda, Edith, 310, 131 (IV) 1143 Kaili St.

Yoshinaga, Toshimi, 45, 16 (I) 854 Pumehana St.

Young, Eleanor T., 276, 121 (IV) Box 1103, Hilo, Hawaii; 2757 Puuho­

Young, K. Anthony, 208%, 93% (III) Box 758, Wailuku, Maui; 1012 Belser St.

*Young, Margaret, 376, 128 (IV) 1654-B Lilifa St.

Zane, Frances J., 34, 16 (I) 935 Koko Head Ave.

Zane, Margaret P., 34, 17 (I) 935 Koko Head Ave.

UNCLASSIFIED†

Abrehamsen, Elizabeth K., 1124-B Davenport St.

Adelneyer, (Mrs.) Iwakani, 804 Green St.

Afong, Mildred C., 1344 Moi Rd.

Ahuna, Augustine, 755 Kinai St.

Aiwohi, Henry L., 69 Wyllie St.

Akana, F. Lang, 932 Loeina St.

Akana, Gretchen, 74 Robinson Lane.

Akina, Cecilia Steward, 1122 Gulick Ave.

Akina, (Mrs.) Priscilla C., 1405 Griffiths St.

Akiona, (Mrs.) Alice M., 1145 Gulick Ave.

Alba, Enrique C., Piddig, Ilocos Norte, P. I.; 829 Laniwai St.

Allegree, (Mrs.) Reed, 2605 Fama Rd.

Althaus, Virginia H., 4759 Kahala Ave.

Amoy, (Mrs.) Phoebe H., 3755 Waialae Rd.

Anderson, Donald W., Atherton House.

Anderson, Mary M., Country Club Rd.

Andrade, James J., 3735 Harding Ave.

Ako, (Mrs.) Lucy K., 745 Makaleka Ave.

Ash, Clarence D., 200 Dewey Ave.

Belch, M. Jean, Waipahu Oahu.

Belknap, Stella W., 1026 9th Ave.

Berman, Edward, 1128 Union St.

Bets, Charlotte, 1545 Kewalo St.

Bice, (Mrs.) Adeline V., 1616 Kewalo St.

Billman-Walker, Donald, Bishop’s House, Queen Emma Square.

Bockius, Beatrice S., Territorial School for Deaf and Blind.

Bond, Jean M., 2748 Laniloa Dr.

Bott, (Mrs.) Grace L., 2225 Kamehameha Ave.

Braue, (Mrs.) Olive L., 3106 Manoa Rd.

† 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.
Bryson, (Mrs.) Violet M., 1257 15th Ave.
Buel, Rae, 2629 Kalakaua Ave.
Burum, Garnett M., Conroe, Texas; Army & Navy Y.M.C.A.
Caballero, Peter S., Naruacan, Ilocos Sur, P. I.; Alakea & Beretania Sts.
Camara, Louis, Paauilo, Hawaii; Fern School
Chai, (Mrs.) Gertrude L. T. L., 1150 N. King St.
Chang, Carolyn, 1916 Metcalf St.
Chang, James T. M., 2156 Bingham St.
Chang, Kenneth C., 636 Panui St.
Chee, Violet, P. O. Box 154, Ewa, Oahu
Ching, Daisy N. Y., 1535 Young St.
Ching, Harry K. C., Mun Lun School, Kapena St.
Ching, Harry Y., 1237-B Pua Lane
Ching, Lani Y., Kaneohe, Oahu; 1139 Lunalilo St.
Ching, (Mrs.) Lillian M., 1040-D 6th Ave. (Withdraw)
Ching, Louise L., 1320 Piikoi St.
Chock, (Mrs.) Annie W. C., 1419 16th Ave.
Chock, Herbert Y. C., 927 10th Ave.
Chollar, Sam L., Fort Worth, Texas; Army & Navy Y.M.C.A.
Chong, Kenneth M., 968-F Hikina St.
Chong, Mabel L. F., 1420 Lunalilo St.
Christian, (Mrs.) Laura K., 3211 Loulu St.
Chu, (Mrs.) Amy L., Waianae, Oahu
Chu Hing, Charles, P. O. Box 209, Honokaa, Hawaii; Pan-Pacific Bldg., Manoa
Chun, (Mrs.) Muriel A. H., 32 S. School St.
Chung, Elsie N., 3910 Kaimuki Ave.
Chung, Helen A. K., Cluett House, Emma Square
Chung, Yin Kyau, 2108 S. King St.
Cleary, Josephine E., 86 W. 183 St., New York City; 426-D Royal Hawaiian Ave.
Collins, (Mrs.) Norma R., 1920 Hunnewell St.
Coon, Willis A., 87 E. Mohawk St., Oswego, N. Y.; A. G. Office, Fort Shafter
Correa, (Mrs.) Alice B., 1413 Dominis St.
Cowan, Charlotte M., 1522-D Hastings St.
Cristy, (Mrs.) Jessamine B., 2120 Kamehameha Ave.
Culman, Harry, 232 Dewey Ave.
Cunningham, Etta, Qtrs. 46 C. G., Schofield Barracks
Davis, June G., 5322 La Mirada, Los Angeles, Calif.; 320 Lewers Rd.
Dawson, Mildred, 1641 Alewa Hghts.
Decker, Julia M., 19th Inf., Schofield Barracks
Dickson, Robert J., 3043 Kalakaua Ave.
Doherty, Grace F., Nichols Field, Manila, P. I.; Luke Field
Donald, (Mrs.) Violet C., 2801 Kahawai St.
Duncan, Abigail, 801 17th Ave.
Dyson, Clarence B., Aiea, Oahu
Edwards, Edna U., 1741 Liliha St.
Enos, (Mrs.) Josephine A., 2549 Waolani Ave.
Evans, Monroe V., U.S.S. Widgeon, Pearl Harbor; 2634 Lowrey Ave.
Fernandes, Joseph A., 1731 Mikahala Way
Fisher, Jessie S., 2121 McKinley St.
Flynn, Gladys G., Harlan, Iowa; 2601 Hillside Ave.
Forbes, Frances, 1520 Wilder Ave.
Forrest, (Mrs.) Martha Jean, 957 Kealaolu Ave.
Fowlks, Lorraine, 2057 Lanihuli Dr.
Frisbee, Naoma, Garner, Iowa; 2909 Park Rd.
Fuller, Viola L., 740 17th Ave.
Fung-Hook, Anna, 2131 S. King St.
Furuhashi, Hatsuko, 1650 Olama Lane
Gault, A. Janet, 1522-F Hastings St.
Gerlinger, Edward B., 1836 Poki St.
Gilleland, Clark A., Kearney, Neb.; 4709 Kahala Ave.
Glashan, Margaret R. P., 3738 Pukalani Pl.
Glavan, Frances L., 3734 Kaimuki Ave.
Goldman, Robert E., Fouke, Ark.; Pearl Harbor, T. H.
Gomes, Carrie P., 3060 Lakimau St.
Gomes, Katie C., 1463 Luso St.
Gonsalves, Adelaide, Ewa, Oahu; 1215-F Alexander St.
Goo, Mabel Liu, 1313 Farrington St.
Gouveia, Mary O., 3127 Olu St.
Grant, Janet, Presidio of San Francisco, Cal.; Women’s Dormitory
Greenwell, Arthur G., Kealakekua, Hawaii; 1925 Ualakaa St.
Guerreiro, Violet M., 1249 10th Ave.
Hagood, Ruth, 2250 Oahu Ave.
Hamada, Mutsuo, 2133 Citron St.
Hamamoto, Marguerite, Kalaheo, Kauai; 914 21st Ave.
Hamilton, Ruth H., 428 Wyllie St.
Harkins, Melvin A., 949 8th Ave.
Harrington, Ann G., Denver, Colo.; 2006-A Hunnewell St.
Harwell, Malcolm H., Fort Kamehameha, T. H.
Hastie, Janet, 2703 Hillside Ave.
Hattie, Eleanor K., Ewa, Oahu; Courtyard Hotel
Hew, (Mrs.) Eunice L., 1116 Kopke St.
Henke, (Mrs.) Rachel D., 2657 Terrace Dr.
Higashithara, Kenneth K., Holualoa, Kona, Hawaii; c/o Moana Hotel
Hill, Anna H., P. O. Box 2603, Honolulu
Hillmer, Grace, 1817 Pensacola St.
Hinds, Sidney R., Kamehameha Schools
Ho, Gun Lum, 90 New Era Lane
Horne, (Mrs.) Margarite W., 2431 Burbank Rd.
Hornung, Mary E., 626 Maui St.
Hoyer, Esther O., 1069 Kains Ave., Berkeley, Calif.; 1653 Piikoi St.
Huckestein, Charles J., Pleasanton Hotel
Hudgins, (Mrs.) Ah Lung, 2023 Metcalf St.
Inaia, Charlotte Cox, 3154 George St.
Ing, Beatrice K. T., 1704 Poki St.
Ing, Grace F. L., 1002 8th Ave.
Ing, Henry K. H., 909 14th Ave.
Ing, Lucille Loy, 1749 Self Lane
Ing, Mary, 1136 8th Ave.
Iwamoto, Yoshio, 1220 College Walk
Iwanaka, James S., 3752 Kawashimo-Mura, Yamaguchi-Ken, Japan;
2728 Huapala St.
Jessop, Helen E., 1026 12th Ave.
Jinbo, Tamayo K., 1202-A Beretania St.
Jones, Phyllis, Fort De Russy
Kaaha, John K., 1106 Punchbowl St.
Kawa, Jack V., Kamuela, Hawaii; Hind Clarke Dairy
Kaeck, (Mrs.) Irma C., 944 9th Ave.
Kawahito, Norman, 1434 Kalihi St.
Kaulakukui, Thomas, 752 Kinoole St., Hilo, Hawaii; 731 Bannister St.
Register of Students

Kellen, Edwin W., 9th Signal Service Co., Fort Shafter
Kelsey, Arthur C., 2386 Oahu Ave.
Kent, Marjorie E., U. S. Naval Hospital, Pearl Harbor
Kimball, (Mrs.) Marguerite B., Windsor, Colo.; Women's Dormitory
Knight, (Mrs.) Louise N., Halekulani Hotel
Kong, En Kyau Yap, 2048 Bingham St.
Kukea, Eleanor L., 4263 Sierra Dr.
Kurisaki, Mazie, 1005 Hala Dr.
LaRue, Jessie C., 2163 Atherton Rd.
Lau, Elsie C., 1344 Moi Rd.
Lau, Elsie Y., 404 Kalahi St.
Laughlin, Roberta, 335-E San Antonio St., San Jose, Calif.; Niumalu Hotel
Lee, Mee Sin, 35-D Meli Lane
Lee, Violet W., 1863-H Makaeo Lane
Lee, Yee Tin, 1055 Kinau St.
Lindsey, (Mrs.) Lelia E., 1820 Anapuni St.
Lint, (Mrs.) Lalita, 1057 16th Ave.
Liu, Bertha K., 1319 Emma St.
Liu, Walter F. Y., 1301 Lusitanian St.
Liwai, Moses, 1429 Dillingham Blvd.
Luiz, (Mrs.) Minnie C., Box 784, Waipahu, Oahu
Marques, Juliet, Hilo, Hawaii; 1914 Lilipali St.
Lucas, Elizabeth J., 1311 Center St.
Ludwig, Charles S., 55th C.A., Fort Ruger, T. H.
Luis, (Mrs.) Minnie C., 883 17th Ave.
Lyn, (Mrs.) Daisy A., 21 McGrew Lane
Lum, Alice K., 1020 Pulaa Lane
Lum, Esther M., 1447 Kewalo St.
Lung, Rose C., 2322 Marques St.
Luter, George W., 2631 Oahu Ave.
Maeda, Irving F., 129 Boyd Lane
Maley, Elwyn G., 207 Church St., Redlands, Calif.; 3612 Harding Ave.
Marques, (Mrs.) Laura L., 2312 Liloa Rise
Marsland, (Mrs.) Sadie E., 2147 Wilder Ave.
Martin, (Mrs.) Lucille I., 1576 Pensacola St.
McBride, Sara V., 2441 Tuisitala St.
McCaw, Eunice, Waialua, Oahu
McCleary, Violet, 2409 Kuhio Ave.
McIntosh, (Mrs.) Helen F., 1344 Center St.
McMurry, (Mrs.) Alice, 825 Spencer St.
Merrick (Mrs.) Helen E., 3853 Maunaloa Ave.
Merrick, William F., 3853 Maunaloa Ave.
Miles, Frances G., 943 16th Ave.
Mitchell, Sarah E., 2427 Tuisitala St.
Miwa, Edith, Ewa, Oahu
Monden, Toshito R., Laupahoehoe, Hawaii; 614 McNeil St.
Montiz, Anthony S., 644 Magellan Ave.
Moriyama, Fannie K., 2618 Rooke Ave.
Mossman, Rebecca K., 840 15th Ave.
Motoyama, Elsie Y. K., 2632 Rooke Ave.
Mounts, Hester G., 2924 Park St.
Mulcair, Kazuo P., O. Box 177, Waialua, Oahu
Mumford, Edwina E., Chicago, Illinois; Black Point Rd.
Murata, Kenichi, 1826-B Sereno St.
Nakamura, Edwin E., 1026 Kopke St.
Nakamura, James S., c/o Iolani School, Nuuanu & Judd Sts.
Oda, Emily S. J., 1007 Elsie Ave.
Ogata, Tomi, 2346 S. Beretania St.
Ogibwie, June B., Royal Hawaiian Hotel
Olson, Edna C., 236 S. 5th, Pocatello, Idaho; Wahiawa, Oahu
Omoto, Itono J., 2433 Waolani Ave.
Ordenstein, Joseph, 1332 Alewa Dr.
Otto, Lucile, Independence, Kansas; Palama Settlement
Pa, (Mrs.) Kuulei, 1416-D Lunaililo St.
Palmer, Charles W., 1450 Kewalo St.
Palmer, (Mrs.) Dorothy M., 1450 Kewalo St.
Payne, Eelene R., 2407-A Sonoma Dr.
Pemberton, Virginia, 4 Kawananaako Dr.
Pick, Robert B., 13 Dewey Court
Pines, Gilbert A., Bn., Hdq. C. T., Fort Kamehameha
Poka, Elizabeth, 287 Kaliihi St.
Postl, Mabel, 3841 Pahoa Ave.
Rawlins, Portia, 2613 Halelena St.
Reis, Rose, 3060 Lakimau St.
Rhoads, Elvis B., P. O. Box 231, Wahiawa, Oahu
Roy, David K., Kealakekua, Hawaii; 1333 Kamehameha St.
Rudin, (Mrs.) Dorothy McKee, 1732 Mikahala Way
Ryan, James A., Fort Ruger
Schaffner, John F., Arcadia, Wisconsin; 162 Uluniu St.
Schenck, John, 2611 Manoa Rd.
Schmidt, Emma, 3750 Wakealae Ave.
Schwichtenberg, Charlotte, 2133 N. E. 13th Ave., Portland, Ore.; Kamehameha Girls' School
Seawell, Helen, 1805 Makiki St.
See, (Mrs.) Esther K. R., 914 21st Ave.
Sekiya, Robert H., 801 Laniwai St.
Shindo, Caroline, 4262 Wakealae Rd.
Shook, William B., 12404 Dickinson Ave., Detroit, Mich.; Atherton House
Silva, William C., 1954 Metcalf St.
Smith, (Mrs.) Florence M., 3360 Alohea Ave.
Sniffen, Mary B., 2257 Kanealii Ave.
Soures, Richard A., 421 Wylie St.
Sosnowski, (Mrs.) Josephine, 3508 Maunaloa Ave.
Sosnowski, Michael L., 3508 Maunaloa Ave.
Suggs, Marvin H., 106 W. 83rd St., Seattle, Wash.; Luke Field Sulllvan, Nora M., Stonington, Ill.; Waipahu, Oahu
Summers, Paul E., Omaha, Nebr.; Fort Shafter
Sunn, Mabel Lee, 1301 Alewa Dr.
Supple, Edward L., Qtrs. 12, Fort Kamehameha
Tachera, Rita C., 1736 Kalani St.
Tanaka, (Mrs.) Miyo Y., 1215 Wilder Ave.
Tateishi, Harold L., 1491 Nuuanu Ave.
Teves, Joseph Jr., c/o T. H. Davies
Thoene, Alma E., 2548 Rookie Ave.
Thomas, Willis L., 3144 Huelani Dr.
Thomas, Adrienne N., Qtrs. 15, Fort Shafter
Tomonari, Frank H., 1433 Liona Lane
Toyoshiba, Richard H., Kalei Rd.
Tseu, Elizabeth S. L., 917 8th Ave.
<table>
<thead>
<tr>
<th>Name</th>
<th>Address/Location</th>
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</thead>
<tbody>
<tr>
<td>Tsui, Sik Kun</td>
<td>Waimea, Kauai; Nuuanu Y.M.C.A.</td>
</tr>
<tr>
<td>Turner, Philip C.</td>
<td>2734 Kahawal St.</td>
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<tr>
<td>Tyan, Belle</td>
<td>1436 Lunalilo St.</td>
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<tr>
<td>Tyan, Doris D. C.</td>
<td>942 N. King St.</td>
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<tr>
<td>Tyler, (Mrs.) Bertha L.</td>
<td>2126 Hunnewell St.</td>
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<tr>
<td>Valentine, Alexander</td>
<td>1651 Pensacola St.</td>
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<tr>
<td>Vincent, Frank DeC.</td>
<td>1038 Spencer St.</td>
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<tr>
<td>Von, Frances M. K.</td>
<td>1742 Fort St.</td>
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<tr>
<td>Voorhees, Dorothy A.</td>
<td>2517 Manoa Rd.</td>
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<tr>
<td>Wade, Anne E.</td>
<td>2138 Haena Dr.</td>
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<tr>
<td>Walsh, Mary</td>
<td>1343 Center St.</td>
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<tr>
<td>Warriner, (Mrs.) Rose</td>
<td>2161 Mahalo St.</td>
</tr>
<tr>
<td>Watson, Louise W.</td>
<td>2237-E Aloha Dr.</td>
</tr>
<tr>
<td>Weatherbee, (Mrs.) Gladys B.</td>
<td>439 Kuamoo St.</td>
</tr>
<tr>
<td>Weidman, (Mrs.) Myrtle I.</td>
<td>1835 Makiki St.</td>
</tr>
<tr>
<td>Westley, (Mrs.) Ella T.</td>
<td>2710 Manoa Rd.</td>
</tr>
<tr>
<td>White, Helen P.</td>
<td>768 Kanoa St.</td>
</tr>
<tr>
<td>Whittaker, Romaine</td>
<td>3702 Harding Ave.</td>
</tr>
<tr>
<td>Wilcox, Lois M.</td>
<td>72 Wyllie St.</td>
</tr>
<tr>
<td>Wilkinson, Mervyn</td>
<td>Wahiawa, Oahu; Moana Hotel</td>
</tr>
<tr>
<td>Wills, Louis A.</td>
<td>2620 McAllister St., San Francisco, Calif.; c/o Territorial Treasury</td>
</tr>
<tr>
<td>Wing, Winifred E.</td>
<td>Kamehameha School for Girls</td>
</tr>
<tr>
<td>Witte, Catharine H.</td>
<td>2396 Liloa Rise</td>
</tr>
<tr>
<td>Wong, Arthur Y.</td>
<td>1233-F Iao Lane</td>
</tr>
<tr>
<td>Wong, (Mrs.) Ella S.</td>
<td>1226 9th Ave.</td>
</tr>
<tr>
<td>Wong, (Mrs.) Eva F.</td>
<td>1037 Kinau St.</td>
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<tr>
<td>Wong, Robert B.</td>
<td>321-J Pahala Lane</td>
</tr>
<tr>
<td>Wong, Rose G. A.</td>
<td>1920 Lanakila Ave.</td>
</tr>
<tr>
<td>Wong, Susan C.</td>
<td>1032 Koko Head Ave.</td>
</tr>
<tr>
<td>Wongwai, Katherine Y. H.</td>
<td>2048 S. Beretania St.</td>
</tr>
<tr>
<td>Yamada, Glenn T.</td>
<td>312-B Hobron Lane</td>
</tr>
<tr>
<td>Yamamoto, Ruth S.</td>
<td>2565-A Hamohamo Rd.</td>
</tr>
<tr>
<td>Yamamura, Sumiye</td>
<td>Hilo, Hawaii; 2011 Bingham St.</td>
</tr>
<tr>
<td>Yap, Rachel L. K.</td>
<td>3465 Waialae Ave.</td>
</tr>
<tr>
<td>Yee, Ken</td>
<td>810 Birch St.</td>
</tr>
<tr>
<td>Yee, Mary K. Q.</td>
<td>2735 S. King St.</td>
</tr>
<tr>
<td>Yim, Sarah N.</td>
<td>1925 Fort St.</td>
</tr>
<tr>
<td>Yim, (Mrs.) Tillie K.</td>
<td>2111 Momi Way</td>
</tr>
<tr>
<td>Young, (Mrs.) Ethel C.</td>
<td>1344 Moi Rd.</td>
</tr>
<tr>
<td>Zetterberg, Ebba</td>
<td>2333 Liloa Rise</td>
</tr>
<tr>
<td>Zinke Bernard A.</td>
<td>R.F.D. No. 2, Amherst, Ohio; U.S.S. S-25, Pearl Harbor</td>
</tr>
<tr>
<td>Zulawinski, Evangeline W.</td>
<td>N. Baker St., McMinnville, Ore.; 2457 Prince Edward St.</td>
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### 1933-1934

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Students not Working for Credit ................................... 149

Total Registration .................................................. 1750

Summer Session 1933 ................................................ 842

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* See pages 34, 190.

** Eight seniors, graduating in February, entered 5th-year work in Teachers College; 2 seniors and one 5th-year student entered Graduate Division.
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