THE BOARD OF REGENTS

CHARLES R. HEMENWAY, Chairman

DAVID L. CRAWFORD, Secretary

REV. AKAIKO AKANA

GEORGE II BROWN

DR. CHARLES B. COOPER

MARY DILLINGHAM FREAR

ARTHUR G. SMITH
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 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 8 to January 24, the second semester from January 27 to June 1, and the 1930 summer session is from June 30 to August 8.

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 2-6. 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, therefore, receives annually $50,000 from the federal government. This money is disbursed by the Bank of Bishop & Co., Ltd., upon vouchers approved by the board of regents.

CHARTER.—The University of Hawaii was established by enactment of the Territorial Legislature. The charter is published in Revised Laws of Hawaii, 1925, Chapter 33, Sections 409-411.

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 28.
OFFICERS OF ADMINISTRATION

David L. Crawford, M.A., President of the University
2355 Oahu Ave.

Gerald R. Kinnear, M.B.A., Treasurer and Business Manager
3041 Oahu Ave.

Helen B. MacNeil, A.B., Registrar
2010 Hunnewell St.

Arthur L. Andrews, Ph.D., Dean of the Faculties
2346 Liloa Rise

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

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

Harold S. Palmer, Ph.D., Director of Graduate Study
1450 Kewalo St.

Leonora Neuffer Bilger, Ph.D., Dean of Women
2328 Seaview Ave.

Thayne M. Livesay, M.A., Director of the School of Education and of the Summer Session
Mohala Way

Mary P. Pringle, University Librarian
Pleasanton Hotel

Allan B. Bush, Superintendent of Buildings and Grounds
University Campus

Frederick A. Potter, Superintendent of Aquarium
2727 Kalakaua Ave.

ASSISTANTS

Lenore T. Hoffman, Secretary to the President, 2327 Liloa Rise

Myrtle B. Swanson, Secretary to the Treasurer, 3037 Oahu Ave.

Bertha E. Huey, Secretary to the Deans, 252 Ohua Ave.

Berenice M. McPherren, B.B.A., Assistant to the Registrar, Fernhurst

Lucile Hodgins, Assistant to the Dean of Women, Women's Dormitory

Theodore Searle, B.S., Proctor of Men's Dormitory, Men's Dormitory

Florence Iseman, Cashier, Business Office, 3567 Kaimuki Ave.

Rose Beller, Voucher Clerk, Business Office, 726 17th Ave.

Maria Palmer, Voucher Clerk, Business Office, 1617 Young St.

Chester Chang, Clerk, University Bookstore, 27 Kaulua St.

Mabel May, Operator, Telephone Exchange, Cluett House.

Clarence E. Owen, Mechanic, University Shops, 1342 Palolo Ave.

Roy Calvert, Assistant Mechanic, University Shops, 3473 Alohea Ave.
COMMITTEES OF THE FACULTY
1929-1930

FACULTY COUNCIL

Ex-Officio
David L. Crawford, Chairman
Arthur R. Keller
Arthur L. Andrews
Harold S. Palmer
F. G. Krauss
Leonora N. Bilger

Elected
Romanzo Adams
Frank T. Dillingham
Charles H. Edmondson
Paul Kirkpatrick

Helen B. MacNeil, Secretary

STANDING COMMITTEES OF THE FACULTY

Admission—T. M. Livesay (Chairman), A. R. Keller, A. L. Andrews,
T. A. Bailey, Helen B. MacNeil.

Curriculum—A. L. Andrews (Chairman), A. R. Keller, H. A. Wadsworth,
T. M. Livesay, Helen B. MacNeil.

Discipline—E. C. Webster (Chairman), A. G. Clarke, M. K. Cameron,
F. E. Armstrong, Floralyn C. Conway.

Graduate Study—Harold S. Palmer (Chairman), F. T. Dillingham, P. S.
Bachman.

Physical Education and Military Science—A. G. Clarke (Chairman),
A. R. Keller, Otto Klum.

Research—Dr. A. L. Dean (Chairman), C. H. Edmondson, Harold S.
Palmer.
OFFICERS OF INSTRUCTION
1929-1930

AGRICULTURE—

LOUIS A. HENKE, M.S., Professor of Agriculture, (1916)*
B.S., Univ. Wisconsin, 1912; M.S., Univ. Wisconsin, 1923.
Absent on Leave

OTIS WARREN BARRETT, B.Sc., Professor of Horticulture, (1929)

2378 Vancouver Highway

HAROLD A. WADSWORTH, B.S., Associate Professor of Agriculture, (1928)
2326 Liloa Rise

ISAAC WALKER RUPEL, M.S., Exchange Professor of Agriculture.
B.S., Univ. Illinois, 1923; M.S., Univ. Wisconsin, 1924; Assistant Professor of Animal Husbandry, Univ. Wisconsin.

2163B Atherton Road

JOSEPH ARTHUR VERRET, B.S., Lecturer on Sugar Cane Production, (1929)
B.S., Louisiana State Univ., 1904; Graduate Study, Audubon Sugar School; Agriculturist in charge of agricultural department, H.S.P.A. Experiment Station, Honolulu.
903 10th Avenue

BRISTOW ADAMS, B.A., Lecturer in Agricultural Conservation.
B.A., Stanford, 1900; Professor and Editor in Charge of Publication, New York State College of Agriculture and Home Economics, Cornell Univ.

2455G Kuhio Avenue

CHARLES M. BICE, B.S., Instructor in Poultry Husbandry, (1927)
B.S., Univ. Wisconsin, 1927.
2159 Atherton Rd.

MITSUGI MANEKI, B.S., Assistant in Agriculture, (1929)
B.S., Univ. Hawaii, 1929.

2455G Kuhio Avenue

ANTHROPOLOGY:—

**FREDERIC WOOD-JONES, D.Sc., Research Professor of Physical Anthropology, (1927)
2231 Hyde St.

* Indicates date of appointment on the Faculty of the University of Hawaii.
** Resigned February 1, 1930.
ART:

ADELAIDE MORRIS, M.A., Assistant Professor of Art and Design, (1929)
A.B., Univ. Colorado, 1903; M.A., Univ. Colorado, 1917; Graduate Study, Art Institute, Chicago; Univ. of California at Los Angeles.
3710 Harding Ave.

HUC-MAZELET LUQUIENS, B.F.A., Instructor in Art, (1924)
B.A., Yale, 1902; B.F.A., Yale, 1908.
1646 Bingham St.

HENRY H. REMPEL, B.E., Instructor in Art, (1929)
B.E., Univ. California at Los Angeles, 1928.
2171 Atherton St.

CATHARINE E. B. COX, B.A., Lecturer in Art, (1929)
B.A., Bryn Mawr College, 1889; Associated with Honolulu Academy of Arts.
2110 Kamehameha Ave.

BOTANY:

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

ROSS S. BEAN, B.S., Assistant Professor of Botany, (1927)
B.S., Brigham Young Univ., 1921; Graduate Study, Univ. California, 1925-1927.
2220 Vancouver Highway

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

CONSTANCE PRIEST, B.A., Assistant in Botany, (1929)
B.A., Univ. California, 1929.
2327 Liloa Rise

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, 1916; Fellow in Plant Nutrition, Univ. California, 1922-1923.
2562 Jones St.

RICHARD WRENSHALL, Ph.D., Associate Professor of Chemistry, (1919)
Ph.B., Yale, 1911; Ph.D., Yale, 1915.
3545 Woodlawn Drive

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

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

GIICHI FUJIMOTO, M.S., Instructor in Chemistry, (1921)
B.S., Univ. Hawaii, 1921; M.S., Univ. Hawaii, 1923.
1524 Farrington St.

GEORGE M. EGUCHI, B.S., Assistant in Chemistry, (1929)
B.S., Univ. Hawaii, 1929.
460 Kuakini St.

ECONOMICS AND BUSINESS:—

MERTON K. CAMERON, Ph.D., Professor of Economics, (1928)
A.B., Princeton, 1908; M.A., Harvard, 1914; Ph.D., Harvard, 1921.
1725 Dole St.

MATTHEW M. GRAHAM, C.P.A., Professor of Accounting, (1927)
C.A., Institute of Accountants and Actuaries, Glasgow, Scotland, 1906;
C.P.A., Territorial Board of Accountancy.
2646 Oahu Ave.

VICTOR W. BENNETT, M.A., Assistant Professor of Commerce,
(1928)
B.A., Gettysburg College, 1917; M.A., Gettysburg College, 1918; M.A.,
Univ. Pittsburgh, 1924; Graduate Study, Univ. Wisconsin and Stanford
Univ.
Niumalu Hotel

ALVA E. STEADMAN, LL.B., Lecturer in Business Law, (1929)
A.B., Stanford Univ., 1916; LL.B., Harvard Law School, 1922; First
Judge of the First Judicial Circuit, Honolulu.
Luakaha, Nuuanu Valley

EDUCATION AND PSYCHOLOGY:—

THAYNE M. LIVESAY, M.A., Professor of Education and Psychology,
(1924)
A.B., Pacific Univ., 1917; M.A., Univ. Washington, 1921; Graduate
Study, Stanford Univ.
Mohala Way

STANLEY D. PORTEUS, Director of Psychological Clinic and Professor of Clinical Psychology, (1922)
Lecturer Experimental Education, Univ. Melbourne, 1916; Research Scholar
Anatomy Department, Univ. Melbourne, 1918; Director Research Labor-
2620 Anuenue St.

FRED E. ARMSTRONG, M.S., Associate Professor of Agricultural Education, (1926)
B.S., Clemson College, 1916; M.S., Univ. Minnesota, 1921.
2108 Haena Drive

*CHAUNCEY LOUITTIT, Ph.D., Research Associate, (1928)
B.S., Hobart College, 1924; Ph.D., Yale, 1928.
2518 East Manoa Rd.

GEORGE J. PEAVEY, A.B., Supervisor of Practice Teaching,
(1928)
A.B., Univ. Denver, 1924; Instructor Washington Junior High School, Honolulu.
2253 Kalia Rd.

* Resigned April 30, 1930.
University of Hawaii

**MARTHA JANE SMITH, B.S., Lecturer in Girl Scouting**
B.S., Univ. Georgia, 1926; Local Director, Girl Scouts of Oahu.
56 Wyllie St.

ENGINEERING:

ARTHUR R. KELLER, M.S., Professor of Engineering and Dean of College of Applied Science, (1909)
C.E., Cornell, 1903; L.L.B., National University, 1906; S.M.C.E., Harvard, 1910; M.S., Massachusetts Institute of Technology, 1916.
2456 Oahu Ave.

JOHN MASON YOUNG, M.M.E., Professor of Engineering, (1908)
B.S., Univ. Florida, 1898; M.E., Cornell, 1902; M.M.E., Cornell, 1904; President, Pacific Engineering Company, Honolulu.
945 Alewa Drive

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.
743 Wyllie St.

ERNEST C. WEBSTER, C.E., Professor of Engineering and Mathematics, (1925)
Ph.B., Yale, 1904; C.E., Yale, 1906.
1836 Punahou St.

ENGLISH:

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

A. HOWRY ESPENSHADE, M.A., Acting Professor of English, (1929)
2333 Liloa Rise

CHARLES H. NEIL, B.A., Assistant Professor of English, (1921)
B.A., Univ. South Carolina, 1903; Graduate Study, Yale.
University Club

LAURA V. SCHWARTZ, Ph.D., Assistant Professor of English, (1924)
2726 Hillside Ave.

GREGG M. SINCLAIR, M.A., Assistant Professor of English, (1928)
2129 Kamehameha Ave.

N. B. BECK, M.A., Instructor in English, (1928)
Makiki Hotel

**Services loaned by Girl Scouts of America.**
Officers of Instruction

CARL G. STROVEN, M.A., Instructor in English, (1927)
2111 Lanihuli Drive

FLORALYN CADWELL CONWAY, M.A., Instructor in English, (1927)
1536 Dominis St.

HORTENSE HALLOCK, M.A., Instructor in English, (1927)
B.A., Elmira College, 1921; M.A., Cornell, 1922; Graduate Study, Cornell, 1923; Univ. Missouri, 1923-1924.
1617 Young St.

GEOLOGY AND GEOGRAPHY:

HAROLD S. PALMER, Ph.D., Professor of Geology, (1920)
B.A., Yale 1912; Ph.D., Yale, 1923; Graduate Study, Univ. Vienna, 1926-1927.
1450 Kewalo St.

JOHN WESLEY COULTER, Ph.D., Instructor in Geography, (1928)
B.A., Univ. California, 1919; M.A., Univ. California, 1921; Ph.D., Univ. Chicago, 1926.
1944 Keeauomoku St.

GERMAN:

MARIA HORMANN, B.A., Instructor in German Language, (1927)
Staatsexamen für Höhere Töchterschulen, Berlin, Germany, 1905; B.A., Univ. Hawaii, 1923.
1036 Green St.

HAWAIIAN:

JOHN H. WISE, Professor of Hawaiian Language, (1926)
Oberlin College, 1890-1893.
1910 Fort St.

HISTORY AND POLITICAL SCIENCE:

WILLIAM H. GEORGE, Ph.D., Professor of History and Political Science and Dean of the College of Arts and Sciences, (1930)
A.B., Harvard, 1902; M.A., Princeton, 1906; Ph.D., Harvard, 1921; Graduate study under Dr. Duquit, Univ. Bourdeaux.

PAUL S. BACHMAN, Ph.D., Assistant Professor of Political Science, (1927)
2532 Jones St.

THOMAS A. BAILEY, Ph.D., Assistant Professor of History, (1927)
2002 Hunnewell St.

KALFRED DIP LUM, Ph.D., Assistant Professor of Political Science, (1926)
1020 Pualaa Lane, No. King St.
MARY KATHERINE CHASE, Ph.D., Assistant Professor of History, (1929)
2029 Kamehameha Ave.

RALPH S. KUYKENDALL, M.A., Instructor in History, (1923)
A.B., College of Pacific, 1910; M.A., Univ. California, 1918; Executive Secretary, Hawaiian Historical Commission, Honolulu.
2002-E Hunnewell St.

GEORGE M. DUTCHER, Visiting Carnegie Lecturer on International Relations
A.B., Cornell Univ., 1897; Ph.D., Cornell Univ., 1903; Professor of Political Science, Wesleyan Univ.

HOME ECONOMICS:

CAREY D. MILLER, M.S., Associate Professor of Food and Nutrition, (1922)
A.B., Univ. California, 1917; M.S., Columbia, 1922; Graduate Study, Yale, 1928-1929.
2627 Kaaipu St.

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, 1925.
2105 Hunnewell St.

KATHERINE BAZORE, M.A., Instructor in Home Economics, (1929)
B.S., Ohio State Univ., 1917; M.A., Teachers College, Columbia, 1925.
Gray's Hotel

FRANCES LAWRENCE, Lecturer in Home Economics, (1928)
Graduate Cook County Normal School; Teachers College, Columbia, 1915-1916; Superintendent of Free Kindergarten and Children's Aid Association, Honolulu.
541 Kawaiahao St.

VIVIA B. APPLETON, C.P.H., Lecturer on Child Health and Care.
A.B., Cornell Univ.; M.D., Johns Hopkins Univ.; C.P.H., Johns Hopkins Univ.
2006 Keeauumoku St.

LILLIAN E. SMITH, Assistant in Textiles, (1927)
Vienna School of Costume Design, San Francisco, 1912-1916; Fashion Academy, San Francisco, 1924.
2105 Hunnewell St.

WAI SUE CHUN, M.A., Research Assistant in Home Economics, (1929)
1050 So. Beretania St.
MATHEMATICS (See also Engineering):—

JOHN S. DONAGHHO, M.A., Professor of Mathematics and Astronomy, (1908)
B.A., Marietta College, 1889; M.A., Marietta College, 1897.
961 Alewa Drive

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

MILITARY SCIENCE:—

ADNA G. CLARKE, LIEUT.-COLONEL, LL.B., (Retired), Professor of Military Science and Tactics, (1921)
LL.B., Kansas Univ., 1891; B.A., Kansas Univ., 1900; Graduate Artillery School, 1906; Distinguished Graduate, School of the Line, 1913; Graduate Army Staff College, 1914.
2125 Armstrong St.

CECIL J. GRIDLEY, CAPTAIN (D.O.L.), Assistant Professor of Military Science and Tactics, (1927)
Graduate of Infantry School, 1922.
2036 Lanihuli Drive

ERNEST A. RUDELIUS, CAPTAIN (D.O.L.), Assistant Professor of Military Science and Tactics, (1929)
Graduate of Infantry School, 1926.
118 Uluniu Ave.

ORIENTAL STUDIES:—

TASUKU HARADA, D.D., LL.D., Professor of Japanese Language and History, (1920)
B.D., Yale, 1891; D.D., Amherst, 1910; LL.D., Edinburgh, Scotland, 1910; President Doshisha Univ., Kyoto, Japan, 1907-1919.
1728 Rocky Hill St.

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, 1917; M.A., Columbia, 1918.
816 10th Ave.

TA CHEN, Ph.D., Visiting Professor of Chinese Affairs
Graduate Tsing Hua College, Peking, China, 1916; B.A., Reed College, 1919; M.A., Columbia Univ., 1920; Ph.D., Columbia Univ., 1923; Professor of Sociology, Tsing Hua College, China; Research Director, Ministry of Education, China.
816 10th Ave.

GEORGE TADAO KUNITOMO, M.A., Instructor in Japanese Language, (1929)
Graduate Aoyama Gakuin College, Japan, 1918; M.A., Oberlin, 1923.
727 Spencer St.

PHYSICAL EDUCATION:—

OTTO KLUM, Professor of Physical Education and Director of Athletics, (1921)
2119 Rainbow Drive
MAY K. GAY, M.A., Instructor in Physical Education, (1925)
1611 Keeaumoku St.

THEODORE SEARLE, B.S., Assistant in Physical Education,
(1929)
B.S., Univ. Hawaii, 1926.
Men's Dormitory

SAMUEL W. ROBLEY, Assistant in Physical Education, (1927)
Executive, Honolulu Boy Scouts.
944 Alewa Drive

GAY HARRIS, Assistant in Physical Education, (1929)
2117 Kalakaua Ave.

PHYSICS:

PAUL KIRKPATRICK, Ph.D., Professor of Physics, (1923)
B.S., Occidental College, 1916; Ph.D., Univ. California, 1923.
Absent on Leave

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.
2839 Oahu Ave.

JOHN H. RANSOM, B.S., Acting Assistant Professor of Physics,
(1929)
B.S., Univ. Chicago, 1923; Research Fellow, California Institute of Tech­
nology, 1927-1929.
1512 Lewis St.

IWAO MIYAKE, M.S., Instructor in Physics, (1927)
B.S., Univ. Hawaii, 1926; M.S., Univ. Hawaii, 1929; Graduate Study,
Univ. California at Los Angeles, 1929.
Nuuanu Japanese Church

POLITICAL SCIENCE (See History):

PSYCHOLOGY (See Education):

ROMANCE LANGUAGES (French, Spanish):

IRVING O. PECKER, A.B., Professor of Romance Languages,
(1919)
A.B., Boston Univ., 1912; Alliance Francaise, Sorbonne, Paris.
Moana Hotel

MARGUERITE McGEE, B.A., Instructor in Romance Languages,
(1927)
B.A., Stanford Univ., 1916; Graduate Study, Stanford Univ., 1919-1929;
Centro de Estudios Historicos, Madrid, Spain; Sorbonne, Paris.
Colonial Hotel

HELENE BOUCHER BIGGS, A.B., Instructor in French, (1928)
A.B., Oberlin College, 1917; Graduate Study, Univ. Chicago; Study in
2373 Alawai Blvd.
Officers of Instruction

SOCIOLOGY:—

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

ANDREW W. LIND, M.A., Research Associate in Sociology, (1927)
2136 Kamehameha Ave.

CLARENCE E. GLICK, M.A., Research Associate in Sociology, (1929)
2136 Kamehameha Ave.

MARGARET BERGEN, Lecturer in Sociology, (1929)
Formerly Director of Social Service Bureau, Honolulu.
2105 Hunnewell St.

LLOYD R. KILLAM, M.A., Instructor in Sociology, (1927)
A.B., Jewell, 1908; M.A., Brown, 1911; M.A., Columbia, 1927; Instructor, Honolulu School of Religion.
2628 East Manoa Rd.

SUGAR TECHNOLOGY (See Chemistry):—

ZOOLOGY AND ENTOMOLOGY:—

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

PAUL LEININGER RADIR, Ph.D., Instructor in Zoology, (1928)
B.A., Univ. California, 1924; M.A., Univ. California, 1925; Ph.D., Stanford Univ., 1927.
2629 Kalakaua Ave.

MERRILL K. RILEY, M.S., Instructor in Entomology and Zoology, (1929)
B.S., Colorado State College, 1927; M.S., South Dakota State College, 1929.
2535-B East Manoa Rd.

JENS M. OSTERGAARD, Instructor in Zoology, (1920)
2418 Kuhio Ave.

UNIVERSITY LIBRARY

MARY P. PRINGLE, Librarian
Pleasanton Hotel

MARIE LAMONT BURROWS, S.B., Associate Librarian and Cataloguer
S.B., Simmons College, 1915.

ALICE K. ALEXANDER, A.B., Assistant Cataloguer
A.B., Syracuse, 1913; Certificate New York State Library School, 1916.
3744 Mauna Loa Ave.
SYNTHIA BUCK GEISER, M.A., Assistant Cataloguer
A.B., Western State College, Colorado, 1926; M.A., Univ. Hawaii, 1929.
2418 Ferdinand Ave.

EUPHIE G. M. SHIELDS, B.S., Library Assistant
B.A., Univ. Hawaii, 1924; B.S., Simmons College, 1929.
2544 Jones St.

KATHERYN MACFARLANE THOMPSON, Library Assistant
Certificate, Los Angeles Public Library School, 1923; Univ. California.
1926-1926.
2727 Pamaoa Rd.

ESTHER HOE STEWART, Library Assistant
3142 Olu St.

GEORGIA M. JOHNSON, Library Assistant
2868 Kahawai St.

PSYCHOLOGICAL CLINIC

STANLEY D. PORTEUS, Director
Lecturer, Experimental Education, Univ. Melbourne, 1916; Research
Scholar Anatomy Department, Univ. Melbourne; Director Research Lab­
2620 Anuenue St.

MARJORIE ELIZABETH BABCOCK, M.A., Assistant Director
2741 Upper Manoa Rd.

*CHAUNCEY LOUTTIT, Ph.D., Research Assistant
B.S., Hobart College, 1924; Ph.D., Yale, 1928.
2517 East Manoa Rd.

ALICE LEMAN WEBB, B.S., Psychological Examiner and Research
Assistant
2457 Puunui Ave.

THADDEUS R. B. COYKENDALL, B.A., Assistant
B.A., Univ. Hawaii, 1929.
1524 Thurston Ave.

SUMMER SESSION FACULTY, 1929

(In addition to members of the University faculty, the following
instructors conducted courses in the 1929 summer session of the Uni­
versity.)

WILLIAM F. BOOK, Ph.D., Head of the Department and Professor of
Psychology, Indiana University.
B.A., Indiana Univ., 1900; Ph.D., Clark Univ., 1906.

PERCIVAL R. COLE, Ph.D., Vice-Principal of the Teachers' College
and Lecturer in Education, University of Sydney, Australia.
B.A., Univ. Sydney, 1903; M.A., Univ. Sydney, 1905; Ph.D., Colum­
bia Univ., 1907.

* Resigned April 30, 1930.
MILDRED F. CROCKETT, A.M., English Instructor, Kamehameha Boys' School, Honolulu.

THOMAS A. JAGGAR, Ph.D., Chief of Section of Volcanology for U. S. Geological Survey.

W. HAROLD LOPER, Ed.M., Supervising Principal, West Hawaii Schools.

CHARLES E. MARTIN, Ph.D., Head of the Department and Professor of Political Science, University of Washington.
B.L., Univ. California, 1914; M.A., Univ. California, 1915; Ph.D., Columbia Univ., 1917.

RICHARD E. MEYER, A.M., Supervising Principal, East Maui.

WILLIAM A. STECHER, M.S., Former Director of Physical and Health Education for the Public Schools of Philadelphia (1906-1927).
B.S., Indiana Univ.; M.S., Indiana Univ.

FRANK W. THOMAS, Ph.D., President Fresno State Teachers College, Fresno, California.

GOODWIN B. WATSON, Ph.D., Assistant Professor of Educational Psychology, Teachers' College, Columbia University.

UNIVERSITY EXTENSION

ETTA RADKE WASHBURN, A.B., Assistant Director in Charge.
A.B., Univ. Wisconsin, 1910. 208 Kapuni Rd.

DORIS E. SKEDD, A.B., Stenographer
A.B., Mt. Holyoke College, 1927. 1617 Young St.

INSTRUCTIONAL STAFF

In addition to members of the University faculty, the following instructors conducted extension courses in 1929-1930:

GEORGE AXTELLE, M.A., Instructor in Education

S. F. BROWNE, Ed.M., Instructor in English.

CLYDE E. CRAWFORD, B.E., Instructor in Education
B.E., Univ. California; Graduate Work, Univ. Hawaii. Principal, Central Junior High School. 919 12th Ave.
A. L. HARRIS, A.B., Instructor in Education
A.B., Park College, 1925; Graduate Work, Univ. Hawaii. Principal, Lihue Grammar School.
Lihue, Kauai

F. E. HOWARD, B.L., Instructor in Education.
B.L., Univ. California, 1901; Graduate Work, Univ. California, 1917, and summer sessions, Univ. California, and elsewhere. Principal, Hilo High School.
Hilo, Hawaii

W. HAROLD LOPER, Ed.M., Instructor in Psychology.
B.S., Univ. Redlands, 1921; Ed.M., Harvard, 1925; Graduate Work, Univ. Hawaii, summer 1928. Supervising Principal, West Hawaii.
Kealakekua, Hawaii

RICHARD E. MEYER, M.A., Instructor in Education and Psychology
Kahului, Maui

C. DUDLEY PRATT, LL.B., Instructor in Business Law.
A.B., Yale, 1922; LL.B., Yale, 1924; Partner in law firm of Smith, Warren, Stanley and Vitousek.
2040 Nuuanu Ave.

MRS. PAUL L. RADIR, M.A., Instructor in Dancing.
B.A., Reed College, 1919; M.A., Wellesley, 1925; summer work in dancing, Univ. Wisconsin.
2629 Kalakaua Ave.

ROBERT R. SPENCER, B.A., Instructor in Education.
249 Saratoga Rd.

AGRICULTURAL EXTENSION SERVICE

ADMINISTRATION:

FREDERICK G. KRAUSS, D.Sc., Director
Prof., Agriculture, College Hawaii, 1910-1914; Agronomist, Hawaii Experiment Station, 1914-1921; D.Sc. (Hon.), Univ. Hawaii, 1923; Graduate Study, Univ. Berlin, Germany, 1927-1928; Prof. Agronomy, Univ. Hawaii, 1921-1929.
2447 Parker St.

GLADYS M. WOOD, Administrative Assistant
Makiki Court

ELLEN NEWTON, Stenographer
1954 Vancouver Highway

MIRIAM BRECKWEDEL, Stenographer
Fernhurst

AGRICULTURE:

HUNG LUM CHUNG, M.S., Extension Animal Husbandman
B.S., Univ. Missouri, 1917; M.S., Univ. Hawaii, 1919.
817 10th Ave.

ROBERT PAHAU, B.S., Extension Sugar Technologist
B.S., Univ. Hawaii, 1918; Supt. Waiakea Experiment Station.
Hilo, Hawaii
THEODORE C. ZSCHOKKE, M.F., Extension Forester
A.B., Stanford Univ., 1903; M.F., Yale Forest School, 1905.
End of Ferdinand St.

ROY A. GOFF, B.S., County Extension Agent, Hawaii County
B.S., Lombard College, 1913; B.S., Univ. Illinois, 1915.
Federal Bldg., Hilo, Hawaii

YASUO BARON GOTO, B.S., County Extension Agent, Hawaii County
B.S., Univ. Hawaii, 1924.
Captain Cook, Kona, Hawaii

HONG CHANG WONG, B.A., County Extension Agent, Honolulu County
B.A., Univ. Hawaii, 1927.
1918 Fort St., Honolulu

JOHN C. THOMPSON, B.S., County Extension Agent, Kauai County
B.S., Univ. Hawaii, 1922.
Lihue, Kauai

CLIFFORD C. DAVIS, B.S., County Extension Agent, Maui County
B.S., Iowa State College.
Wailuku, Maui

HOME ECONOMICS:

M. ELMINA WHITE, B.S., Assistant Director for Home Economics
2627 Kaaipu Ave., Honolulu

MABEL GREEN, County Extension Agent, Honolulu County
New York State Normal; Washington State College; Univ. Hawaii.
998 Spencer St., Honolulu

J. HAZEL ZIMMERMAN, B.S., County Extension Agent, Hawaii County
B.S., Oklahoma State College, 1917.
Federal Bldg., Hilo

MARTHA I. EDER, B.S., County Extension Agent, Kauai County
B.S., Iowa State College, 1919.
Lihue, Kauai

GERTRUDE M. GAGE, B.S., County Extension Agent, Maui County
B.S., Washington State College, 1921.
Wailuku, Maui

HAWAII AGRICULTURAL EXPERIMENT STATION
(Conducted jointly by the University of Hawaii and the U. S. Department of Agriculture)

ADMINISTRATION:

J. M. WESTGATE, M.S., Director
B.S., Kansas Agric. College, 1897; M.S., Kansas Agric. College, 1899;
Graduate Study, Univ. Chicago, 1901-1903.
Expt. Station Reservation, Tantalus Rd.
HUNG K. HEE, Principal Clerk
Expt. Station Reservation, Tantalus Rd.

GERTRUDE M. XAVIER, Stenographer
3951 Kaimuki Ave.

LILLIE BOWMER, Stenographer
67 Kapili St.

AGRICULTURE:

HARVEY F. WILLEY, Superintendent, Maui Substation
Makawao, Maui

NOAH PEKELO, Field Superintendent
University Farm

MAKOTO TAKAHASHI, B.S., Assistant in Agriculture
B.S., Univ. Hawaii, 1928.
Captain Cook, Kona, Hawaii

ANIMAL HUSBANDRY:

*LOUIS A. HENKE, M.S., Animal Husbandman
B.S., Univ. Wisconsin, 1913; M.S., Univ. Wisconsin, 1923.
Absent on Leave

*MITSUGI MANEKI, B.S., Assistant in Animal Husbandry
B.S., Univ. Hawaii, 1929.
1710 Fort St.

CHEMISTRY:

JOHN C. RIPPERTON, M.S., Chemist
B.A., Fairmount College, Kansas, 1913; M.S., Kansas Agric. College, 1916; Graduate Study, Univ. Nebraska, 1913-1914.
Expt. Station Reservation, Tantalus Rd.

CHARLES RICHTER, B.S., Assistant Chemist
B.S., Univ. California, 1926.
1312 Keeaumoku St.

ELIZABETH V. HARROLD, B.S., Assistant Chemist, Avocado Investigations
B.S., Univ. California, 1923.
Fernhurst

KAM HU LAU, B.S., Laboratory Assistant in Chemistry
B.S., California Institute Technology, 1929.
1340 So. Beretania St.

HORTICULTURE:

WILLIS T. POPE, D.Sc., Horticulturist
Expt. Station Reservation, Tantalus Rd.

JOHN CASTRO, Plant Propagator
Expt. Station Reservation, Tantalus Rd.

* Also members of the instructional staff.
Officers of Instruction

NUTRITION INVESTIGATIONS:—

*CAREY D. MILLER, M.S., Specialist in Food and Nutrition Investigations
  A.B., Univ. California, 1917; M.S., Columbia, 1922; Graduate Study, Yale, 1928-1929.
  2627 Kaaipu Ave.

*WAI SUE CHUN, M.A., Research Assistant in Food and Nutrition Investigations
  1050 So. Beretania St.

POULTRY HUSBANDRY:—

*CHARLES M. BICE, B.S., Poultry Husbandman
  B.S., Univ. Wisconsin, 1927.
  2159 Atherton Rd.

FRANK BOTHELO, Foreman, Poultry Plant
  University Farm

SOIL PHYSICS:—

*HAROLD A. WADSWORTH, B.S., Collaborator in Soil Physics Investigations
  B.S., Univ. California, 1916; Graduate Study, Stanford, 1927-1928.
  2326 Liloa Rise

EXPERIMENT STATION**

ASSOCIATION OF HAWAIIAN PINEAPPLE CANNERS

ADMINISTRATION:—

ARTHUR L. DEAN, Ph.D., Director
  A.B., Harvard, 1900; Ph.D., Yale, 1902.
  2225 Hyde St.

HARRY L. DENISON, B.S., Assistant to the Director
  Kahala, Oahu

ELSIE G. GREENLAND, Secretary to the Director
  3720 Manini Way

EMMA WILSON, Librarian
  3807 Maunaloa Ave.

MINERVA M. TOWNSEND, Stenographer
  244 No. 6 Ohualani Ave.

KAUI WILCOX, B.A., Stenographer
  B.A., Univ. Hawaii, 1926.
  2410-H Tusitala St.

AUDREY HOOPER, Stenographer
  1319 Emma St.

* Also members of instructional staff.
** The Experiment Station of the Association of Hawaiian Pineapple Canners is affiliated with the University of Hawaii, with its headquarters on the University Campus. Its financial support, however, is wholly by the Association.
University of Hawaii

CLAIRE B. REICHELT, Bookkeeper

AGRICULTURE:

WILL NORMAN KING, B.S., Agriculturist
B.S., Univ. Hawaii, 1921.

WILLIAM A. BALDWIN, Ph.B., Assistant Agriculturist and Agent
for Maui
Ph.B., Yale, 1892.

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

CHEMISTRY:

OSCAR C. MAGISTAD, Ph.D., Chemist
B.S., Univ. Wisconsin, 1922; M.S., Univ. Wisconsin, 1923; Ph.D., Univ. Wisconsin, 1924.

FRANCIS A. E. ABEL, M.S., Assistant Chemist
B.S., Univ. Hawaii, 1921; M.S., Univ. Hawaii, 1924.

CARL A. FARDEN, B.S., Assistant Chemist
B.S., Univ. Hawaii, 1924.

JOHN M. HORNER, A.B., Assistant Chemist
A.B., Stanford Univ., 1922.

LYMAN A. DEAN, Assistant in Chemistry
2225 Hyde St.

GEORGE LINDSEY, Assistant in Chemistry
3720 Manini Way

ENTOMOLOGY:

WALTER CARTER, Ph.D., Entomologist
B.S., Univ. Montana, 1923; M.S., Univ. Minnesota, 1924; Ph.D., Univ. Minnesota, 1927.

KIYOSHI ITO, B.A., Assistant Entomologist
B.A., Univ. Hawaii, 1929.

GENETICS:

JULIUS L. COLLINS, Ph.D., Geneticist
B.S., Univ. California, 1918; Ph.D., Univ. California, 1923.

KENNETH KERNS, B.S., Assistant Geneticist
B.S., Univ. Hawaii, 1926.
NEMATOLOGY:

GEORGE HAROLD GODFREY, Ph.D., Nematologist
B.S., Washington State College, 1913; M.S., Iowa State College, 1917; Ph.D., Univ. Wisconsin, 1923. 2561 Malama Way

HAROLD R. HAGAN, M.S., Associate Nematologist
B.S., Utah Agricultural College, 1914; M.S., Harvard, 1917. Wahiawa, Oahu

HELENE T. MORITA, M.S., Assistant Nematologist
B.S., Univ. Hawaii, 1924; M.S., Univ. Hawaii, 1928. 1021 Kama Lane

JULIETTE OLIVEIRA, B.A., Assistant Nematologist
B.A., Univ. Hawaii, 1928. 1541 Fort St.

BERNARD N. FARDEN, Assistant in Nematology
601 Kapahulu Ave.

ERNA B. H. GITTEL, Assistant in Nematology
711 Prospect St.

PATHOLOGY:

MAURICE B. LINFORD, Ph.D., Pathologist
B.S., Utah Agricultural College, 1922; M.A., Utah Agricultural College, 1924; Ph.D., Univ. Wisconsin, 1927. 1815 Poki St.

GLENN E. PAXTON, M.S., Assistant Pathologist
B.S., Colorado Agricultural College, 1918; M.S., Univ. Wisconsin, 1921. 2721 East Manoa Rd.

CARL H. SPIEGELBERY, M.S., Assistant Pathologist
B.S., Washington State College, 1924; M.S., Washington State College, 1925. MacDonald Hotel

MARJORIE WEST LORIMER, M.A., Assistant Pathologist
B.A., Univ. California, 1922; M.A., Univ. California, 1923. 270-R Beach Walk

PHYSIOLOGY:

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

FRANCIS A. I. BOWERS, B.S., Assistant Physiologist
B.S., Univ. Hawaii, 1924. Wahiawa, Oahu

BEATRICE H. KRAUSS, B.S., Assistant Physiologist
B.S., Univ. Hawaii, 1926. 2447 Parker St.
THE UNIVERSITY OF HAWAII

The University of Hawaii was established by act of the Territorial Legislature in 1907. It bears the same relation to the Territory as do the several state universities to their respective states, and draws most of its financial support from the Territory. It is also in part a land-grant college. Although it 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 does benefit by the Second Morrill Act of 1890. It is open to all who are qualified, regardless of sex, color, or nationality.

The growth of the University has been rapid, both in numbers of students and plant investment and in its sphere of service and public esteem. The Act of Establishment was passed by the Legislature in 1907, and the instructional work began in 1908, with five students and two instructors, in a temporary location on the grounds of the McKinley High School. After a few years the institution was moved to its present site in Manoa Valley. In 1920 a College of Arts was added and the name was changed from the College of Hawaii to the University of Hawaii.

The University of Hawaii is accredited by the Association of American Universities and is recognized as an institution of good standing, from which students may transfer without loss of credits to other American colleges and universities or to European universities.

Hawaii is noted for its friendly mingling of many races, and the University reflects this in its cosmopolitan student body. Its students represent many racial groups, chiefly Caucasian, Japanese and Chinese, most of whom are American citizens because they were born in Hawaii. This friendly cosmopolitanism is an important factor in the life of the community, and should be felt in the future relations of the countries bordering the Pacific Ocean.

In the field of tropical agriculture the University has an opportunity unique among American institutions and is developing both undergraduate and graduate programs of instruction and research which should be of interest not only to residents of Hawaii but to others as well.

RELATED SERVICE

In addition to its instructional program, the University is responsible for 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 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 a recent 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 Sugar Planters’ Station and the Pineapple Producers’ Station.

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

The Association of Hawaiian Pineapple Canners has affiliated its experiment station with the University, all the expense of this station being borne by the Association. The field work is carried on largely at Wahiawa, the heart of the pineapple country, while the laboratory and technical investigations are conducted on the University campus in buildings erected by the Association.

Seismological Observatory. The U. S. Coast and Geodetic Survey is operating the seismological observatory in Gartley Hall under a special agreement with the University whereby the results and observations are made of service to this Territory. This is a well-equipped observatory, with good earthquake recording instruments, and is the principal station of the Coast and Geodetic Survey in Hawaii.

COOPERATING INSTITUTIONS

To supplement its own facilities for instruction and research the University has made cooperative arrangements 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 is maintained on the University campus, occupying a portion of the University library and affording excellent facilities for research students in the field of international affairs.

Honolulu Academy of Arts. This excellent institution, built and endowed by Mrs. C. M. Cooke, offers to the University its unsurpassed collections of works of art from all parts of the world, for the educational advancement of the students and instructors.
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 regular part of their program of study, and several members of the station staff take part in the instructional work of the University.

Territorial Normal School. The University correlates the work of its Education Department with that of the Territorial Normal School sufficiently so that transfer of credits may be facilitated, and to some extent instructional service is exchanged.

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

CAMPUS AND BUILDINGS

The University is situated in Manoa Valley, one of the most attractive of Honolulu's residential districts, about three miles from the business center.

The campus occupies an area of nearly 300 acres. A portion of this is the farm, used for experimental crops, pasturage, and livestock. At the rear of the farm lands is the Manoa stream which not only furnishes irrigation water for the crops, but offers excellent facilities for student work in hydraulics and irrigation studies.

The principal buildings are grouped in a quadrangle which is not yet completed. These are of re-inforced concrete construction, three stories in height and of somewhat uniform architecture. Hawaii Hall, the present administration building, was the first one erected. Gartley Hall for chemistry and physics, named for Mr. Alonzo Gartley, and the University Library were added a few years later. The fourth building of the quadrangle provides laboratories for the biological sciences.

A second group of re-inforced concrete buildings, consisting of five one-story structures, houses the Engineering Department, and provides ample facilities for laboratories, class rooms, shops, and drafting rooms. One of these buildings is devoted to work in hydraulics, while another is equipped as a testing laboratory and serves a dual purpose, providing instructional facilities for students and offering to local engineering and industrial firms facilities for commercial testing.

A third group of buildings is for physical education, recreation, and athletics. A large gymnasium, a swimming tank with adjoining locker rooms, a locker building for men's athletic teams, asphalt tennis courts and a turf football and baseball field and quarter-mile cinder track comprise this group. Nearby is a building for the R. O. T. C. The Honolulu Stadium, about a mile from the campus, is owned in part by the Associated Students of the University and is used for all football and baseball games.
Two small residence halls and a dining room are available to those who wish to reside on the campus.

The farm is equipped with the necessary buildings for dairy, poultry and other livestock industries, a barn for tools and implements, and several cottages for the employees.

Not all the work of the University is on the Manoa Campus, for there is at Waikiki Beach a marine biological laboratory and aquarium, and at Kaimuki an astronomical observatory.

The Library now contains 49,462 volumes. Extensive collections of important Chinese and Japanese works catalogued in English, are available. In addition there are on the shelves 190,387 pamphlets, many of them bulletins of agricultural experiment stations and of the various departments of the federal government. The Library is a depository for all government publications. Reading rooms are maintained, wherein may be found local and mainland daily papers, the leading literary magazines and reviews, and a great number of technical and scientific periodicals. Throughout the day and evening, the Library and reading rooms are open to the public, and persons complying with the regulations may withdraw books for home use.

The Herbarium of the University of Hawaii, in the custody of the Bishop Museum, contains the most nearly complete collection of Hawaiian plants in existence, including specimens of species which have already become extinct. The portions of the types and the co-types of plants described by Dr. W. Hillebrand, together with the types of new species, form the most valuable part of the herbarium.

The Territory has invested about three-quarters of a million dollars in the buildings and grounds of the University and more has been added from private sources. The value of the lands occupied is over two million dollars.

GIFTS TO THE UNIVERSITY

The Board of Regents is authorized by the University charter to receive gifts on behalf of the University. While the larger part of the financial support of the University has been and will continue to be derived from funds appropriated by the territorial legislature and by the federal congress, it is expected that from private sources there will be occasional gifts to aid research or advance projects which are of special interest to the donors or which may have something more than local significance, for it is becoming increasingly evident that this University has unique opportunities for usefulness beyond the limits of the island group in which it is situated.

The Rockefeller Foundation is giving a continuing grant of $30,000 per year to aid research in the racial field, while the Carnegie Endowment for International Peace has made generous contributions to the work of the University.

Other gifts include the J. P. Cooke Athletic Field, the Marine Biological Laboratory and Aquarium at Waikiki by Charles M. Cooke, and the site of the astronomical observatory in Kaimuki by Mr. and Mrs. Harry F. Lewis. Students of the University have raised funds for several improvements, including a 25-yard swimming tank and ad-
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 partly by the scholastic record made in the school or college last attended, partly by a college aptitude examination and partly by testimonials as to character, ability, and fitness for university work.

Unclassified students, who are those taking less than a full program of work, must meet the same entrance and scholarship requirements as regular students except that those of mature age who have not the required preparatory school education may be accepted for limited work upon presenting satisfactory evidence of such previous training as manifestly fits them to pursue the desired courses.

Auditors are persons who are permitted to attend certain courses* as listeners, not partaking in the examinations and receiving no credits. Persons desiring the privilege of attending classes as auditors will make application to the Registrar and if the application is granted will pay the usual fee in the course and be issued an auditor's card.

ADMISSION TO FRESHMAN STANDING

Every applicant for admission to the University as a freshman must take a college aptitude examination and an English placement examination, and must submit evidence of proper preparatory training by offering in one of the ways mentioned below or by a combination of two or more of these ways, evidence of satisfactory preparation in at least 15 units of high school work (12 units from the 3-year senior high school), this work to be selected as described below. These subjects must include three units of English and one 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 40 and 49)

1—The applicant may take entrance examinations offered by the University and thus satisfy all or a part of the 15 (or 12) unit requirement.

2—The 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.

3a—The applicant may present a record from an approved secondary school showing 15 (or 12) units in approved subjects

* Courses which auditors may attend are designated in the catalog by an asterisk (*).
with an average grade of 80% or better. Candidates in this group who fail seriously in the college aptitude examination or in the English placement examination may not be admitted.

3b—The applicant may present a high school record showing 15 (or 12) units in approved subjects but in which the average grade is below 80%. If such a candidate makes a score above the average in the college aptitude examination and in the English placement examination, permission to matriculate may be granted.

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 two units nor less than one-half 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 in addition to the above, trigonometry, 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 presenting 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

* Credit in entrance for languages will not be offered unless at least two units in some one language are offered.
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 GRADUATE STUDENTS

Graduates of an accredited collegiate institution may be admitted as graduate students and candidates for an advanced degree. Requirements governing this are stated in more detail on page 34.

THE CURRICULUM

The curriculum of the University is divided between two colleges, the college of Applied Science and the College of Arts and Sciences, the former including courses in agriculture, engineering, sugar technology, home economics and general science; the latter in natural and social sciences, languages, art, education, commerce, etc. Graduate courses are offered in both colleges, and the general program of extension courses is participated in by both.

The year's work is divided into two semesters of eighteen weeks each, with an additional summer session of six weeks.

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 3 grade points are granted when the grade is 90 or above; 2 grade points when the grade is 80-89; 1 grade point when the grade is 70-79. Grades of 60-69 give credit for semester hours, but no grade points.

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.

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 is 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 136 grade points, of which at least 69 must be gained in the last half of the course. Minimum credit requirements vary in the two 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.

**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 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.

Candidates presenting advanced credits from other institutions will be required to do, as a minimum, the equivalent of a year's work in residence at the University of Hawaii (at least 30 semester hours) in order to receive a Bachelor's degree.

**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:
REQUIRED SUBJECTS | SEMESTER HOURS | UNIVERSITY OF HAWAII EQUIVALENT
--- | --- | ---
Chemistry | 20 | Chem. 101 or 102, 105 and 106, 124.
Physics | 8 | Physics 102.
Biology | 8 | Botany 101, Zool. 150 and 151.
English Composition | 6 | English 100, or 102.
Other Non-Science subjects:
History, Language, Economics 12

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.

MILITARY DRILL

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

PHYSICAL EDUCATION

All first and second year students under 25 years of age who are carrying ten or more credits are required to take physical education unless excused on account of physical disability or other valid reason.

A medical and physical examination must be taken at least once each year. This examination is made by an authorized physician under the direction of the University.

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) reading courses; (3) lecture service; (4) publications; (5) bi-monthly radio programs; (6) educational film service; (7) play loan service; (8) miscellaneous public service.
Extension courses are offered, both on Oahu and on three other islands, for the benefit of those adult persons who cannot attend the regular courses. Those courses in which university credits are given must be approved by the Faculty Committee on Curriculum.

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

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

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 direct from the University Extension Division.

SUMMER SESSION

For the benefit of teachers and others who desire to attend the University but cannot do so in the regular winter and spring semesters, a third session of six weeks' duration is conducted in the summer period, in July and August. Instruction is offered by members of the University faculty and by instructors and lecturers invited from other institutions.

The schedule of classes permits the average student in the summer session to gain six credits, taking three two-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 as 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 1930 Summer Session, June 30 to August 8, will be sent upon request.

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, 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 other related institutions.
ADVANCED DEGREES

Graduates with a Bachelor's degree from an accredited university or college may engage in graduate study as candidates for an advanced degree in certain fields.

The minimum requirement for the Master's degree is one year of advanced work in residence, or its equivalent, which is usually computed as thirty 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 of 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."

Application for admission as a candidate for an advanced degree must be made in writing to the Director of 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 under-graduate work is deemed insufficient, the applicant, if accepted, may be required to take further under-graduate courses.

The graduate student works under the direction of an advisor or a special committee appointed by the Director of Graduate Work to guide his work and review its progress from time to time.

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.

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 chair-
man 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 8\(\frac{1}{2}\) 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 Director of 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.

**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, registration, 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 Director of Graduate Work.

**TUITION AND FEES**

1. A registration fee of $10.00 per semester is charged all regular students (not including graduate students), all part-time students, and auditors regardless of the number of hours for which they are registered. Extension students do not pay this fee.
2. The tuition fee is $15.00 per semester, or $1.00 per semester hour for part-time students and auditors, not including graduate students.

For non-residents of Hawaii the tuition fee is $40.00 per semester or $3.00 per semester hour for part-time students and auditors. Extension students do not pay the tuition fee.

3. Graduate students pay a fee of $25.00 at the time of original registration and a second fee of equal amount at the time the advanced degree is awarded. In addition to this, a $5.00 fee to cover the cost of binding the two copies of the thesis, is payable before the awarding of the degree. If the candidate for an advanced degree wishes to purchase a hood, this may be ordered at the Business Office. A hood is loaned by the University for the graduation ceremony.

4. Laboratory and special course fees are indicated in the description of courses.

5. Extension students pay the fees designated for each course.

6. Summer Session students, including both graduate and undergraduate students, pay a registration fee of $10.00 and an additional fee of $2.50 per credit hour. No distinction is made between non-residents of Hawaii and residents.

7. Miscellaneous Fees. A late Registration Fee of $1.00 is required of all students who register later than the announced registration days, and a fee of one dollar is charged for each change of schedule made after the two-week interval following registration day.

A fee of one dollar is charged students for each copy of transcript of record after the first such copy has been issued.

Charges are made for special examinations given at times other than those regularly announced. The fee is paid at the business office and the receipt presented to the instructor giving the examination.

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 shall be permitted to register until all outstanding indebtedness to the University has been liquidated unless special permission has been obtained from the Treasurer.

Refunds of deposits are not made until the end of the university year, unless students are withdrawing from the course. Apparatus lost or destroyed is charged at market prices. Students whose breakage exceeds the deposit will pay the difference before receiving credit for the course taken.

RESIDENCE AND DINING HALLS

Two residence halls and a cafeteria are available to students on the university campus. Cafeteria service for noon luncheon is available to all students and faculty members who desire it, and in addition provision is made for the needs of occupants of the residence halls.

For the men there is a one-story building with accommodations for twenty-eight. Every room is well ventilated, some arranged for
Students Aid and Prizes

one man and others for two, while a few are in a suite arrangement with a study room between two bedrooms and designed for four men. The rooms are furnished except for linen and bedding.

For the women students who wish to live on the campus there is a one-story frame building with accommodations for sixteen, as well as for the Dean of Women who supervises the hall. The rooms are furnished except for bedding and linen. A kitchenette with buffet service is available.

A charge of $63.00 per person per semester and $25.00 for the summer session is made for these accommodations. This is payable in advance unless some other arrangement is made satisfactory to the Treasurer. No refund is made unless a satisfactory substitute occupant can be secured, in which case the rental is prorated.

Applications for rooms should be addressed to the Treasurer.

STUDENT AID AND PRIZES

To help worthy students in their efforts to obtain an education, the University offers financial aid in the form both of scholarships and loans. Some of the scholarships are available only to persons named by the donors, but most of them are awarded by the University. Several loan funds afford financial aid to students on generous terms.

Applications for scholarships and loans should be addressed to the University as far in advance as possible, so that they may receive careful consideration. Scholarships for the following college year are usually awarded about June 1.

Honolulu Chamber of Commerce Freshman Scholarship—A scholarship of $100, awarded to the needy graduate of a Honolulu preparatory school presenting the best entrance record.

Honolulu Chamber of Commerce Agricultural Scholarship—An annual scholarship of $100, awarded to an upperclassman taking the course in Agriculture or the agricultural division of the course in Sugar Technology.

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

Maui Woman's Club Scholarship—An annual scholarship of $100 is awarded by the Maui Woman's Club to a graduate of the Maui High school.

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

Daughters of American Revolution Scholarships—Aloha Chapter, D. A. R., offers two scholarships of $100 each to be used preferably for girls taking the Home Economics Course, one scholarship to be given, if possible, to a girl of Revolutionary or early American ancestry.
Chinese Community Scholarships—A fund of about $3,000 has been given to the University of Hawaii to endow scholarships for students of Chinese ancestry. The income is awarded to students of the Junior or Senior classes.

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

Ruth C. Scudder Memorial Scholarship Fund—This fund was established in memory of Mrs. Ruth C. Scudder by the Women's Society of Central Union Church for deserving women students.

LOAN FUNDS

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

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

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

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

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

College Club of Honolulu offers loan fund aid to needy women students.

PRIZES

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

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

STUDENT ORGANIZATIONS

A. S. U. H.—The students of the University are organized in The Associated Students of the University of Hawaii. This organization manages all athletic contests, publishes a weekly newspaper (“Ka Leo”) and an Annual (“Ka Palapala”) and supervises the activities and financial accounts of other student organizations. A general membership fee, together with a subscription fee for the newspaper “Ka Leo” and the Annual, is collected by the A. S. U. H. at the time of registration.
A. W. S.—The Associated Women Students is an organization of all the women to promote women's activities and interests on the campus.

Hui Pookela—The Women’s Honorary Society recognizes and encourages leadership and unselfish service in student activities, extends campus hospitality, promotes scholarship, and fosters fellowship among women students. Junior and Senior women are eligible if they have maintained high scholarship and have taken part in student activities.

A chapter of Theta Alpha Phi, a national honorary dramatic organization, is maintained for the encouragement of dramatics.

Epsilon Sigma Phi, national honorary society of extension workers, is represented here by the Alpha Omega chapter.

Pi Gamma Mu, national honor society in the field of Social Science, is represented by the Hawaii Alpha chapter.

The Hawaii Union, an honorary debating society, not only affords recognition to those who have been active in debate, but fosters an interest in public speaking both in the preparatory schools and the University.

Several social clubs and associations are in existence. There are no national Greek letter fraternities on the campus.

The International Relations Club is interested in better relations between races and nations and is developing a junior league of nations council.

The University Y. M. C. A. is an association of Christian students and faculty men who have organized in order to develop Christian character among the students and afford opportunity for expression of the spirit of brotherhood through the various student activities.
COLLEGE OF APPLIED SCIENCE

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

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

During the first two years of the course military science and physical education are required of all students. Exemption from these requirements must be secured from the proper faculty committee.

Admission. Candidates who wish to complete the Engineering course in four years must present algebra through quadratics, plane geometry and trigonometry, from secondary school. In addition, solid geometry is strongly advised but not required. In other courses in which college mathematics is a requirement at least algebra through quadratics and plane geometry should be presented for entrance.

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

Requirements for Graduation. The degree of Bachelor of Science is granted upon satisfactory completion of any of the four-year programs of study offered by this College, provided the student has been registered in that course for at least two semesters prior to the time of graduation. 136 credits and the same number of 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 31.)

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
College of Applied Science

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.

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

Following this fundamental work the special applications and modifications appertaining to particular crops and problems are studied.

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

REQUIRED COURSES

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<tr>
<th>FIRST YEAR</th>
<th>THIRD YEAR</th>
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<tbody>
<tr>
<td>Botany 101</td>
<td>Agriculture 250</td>
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<tr>
<td>Chemistry 101 or 102</td>
<td>Agriculture 251</td>
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<td>English 100 or 102</td>
<td>Agriculture 254</td>
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<tr>
<td>Mathematics 149 or 150, 151</td>
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<tr>
<td>Military Science and Physical Education</td>
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<tr>
<th>SECOND YEAR</th>
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<tr>
<td>Physics 102</td>
<td>No required courses, except that major requirements must be satisfied.</td>
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<tr>
<td>English 120 or 130</td>
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<tr>
<td>Military Science and Physical Education</td>
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Before the end of the Freshman year, the student must submit for approval, to the Advisor and Dean, a detailed program of courses for the remaining three years, indicating as his major one of the following:

1. Sugar Culture;
2. Pineapple Culture;
3. Livestock;
4. Vocational Education.

The general program of studies should be so arranged that the student's time will be divided as follows:

- General College Courses .......... 60 credits
- General Agricultural Courses ...... 20 "
- Major Agricultural Requirement (Not including general courses) .... 16 "
- Free electives—either agricultural courses in other than major branch or general electives...... 40* "

Total requirement ............ 136 credits (minimum)

* The number of free electives will decrease as the credits in the three groups above are increased.
The course in Farm Practice, Agriculture 150, must be completed before the beginning of the Junior year. It may be taken in the vacation following either the Freshman or the Sophomore year.

Students specializing in the study of pineapple production are advised to take Agriculture 258 in the summer following the Junior year. Pineapple Field Practice (Agr. 263) is the only course taken by these students in the second semester of the Senior year.

Students specializing in agricultural education to fit themselves for vocational service under the Smith-Hughes Act of Congress should take certain of the courses in Psychology and Education, as advised by the Dean.

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 also 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 devolving 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 and Physical Education

**SECOND YEAR**
- Civil Engineering 125
- Mechanical Engineering 129
- Mechanical Drawing 133
- Mathematics 106
- Physics 150, 151
- English 120 or 130
- Military Science and Physical Education
SUGAR TECHNOLOGY

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

The Hawaiian Sugar Planters’ Association offers many very 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 in itself two quite distinct branches: the growing of cane, and its manufacture into sugar. Inasmuch as it would be extremely difficult, if not impossible, to acquire thorough knowledge in both these branches in four years, the courses in Sugar Technology are offered in three divisions.

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

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

Sugar-House Engineering Division. The first year is identical with the course in Engineering, while the second year differs only in the
substitution of qualitative analysis 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 six weeks’ work on one of the plantations, or in connection with the work of the Experiment Station of the Hawaiian Sugar Planters’ Association, is required of students in all divisions. The student must submit a written report in duplicate of the work performed.

The second semester of the fourth year is devoted almost entirely to practical work. Arrangements are made whereby students in the Sugar Agriculture Division serve as student assistants in the Experiment Station of the Hawaiian Sugar Planters’ Association, and those in the Sugar-house Engineering Division serve as special apprentices in the factory of one of the plantations, where they actually perform the manual labor required at the various stations of the mill and boilinghouse. Careful notes must be kept of this work and a report in duplicate submitted at the end of the semester.

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

REQUIRED COURSES

AGRICULTURAL DIVISION

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<td>Mathematics 150, 151*</td>
<td>Mathematics 150, 151*</td>
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<td>English 100 or 102</td>
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<tr>
<td>Drawing, M. D. 101</td>
<td>Drawing, M. D. 101 or Art 100</td>
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SECOND YEAR

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<td>Chemistry 124</td>
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<tr>
<td>Physics 102</td>
<td>Physics 102</td>
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<tr>
<td>Civil Engineering 101</td>
<td>Military Science and Physical Education</td>
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THIRD YEAR

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<td>Sugar Technology 201, 253</td>
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FOURTH YEAR

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<tr>
<td>Sugar Technology 250, 252, 255</td>
<td>Sugar Technology 250, 252, 255</td>
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<tr>
<td>Economics 150</td>
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* Students who offer 3½ units of mathematics for entrance will not be required to take mathematics 150, 151, but will ordinarily be expected to elect mathematics 152, 153.
The course in Farm Practice, Agriculture 150, must be completed before the beginning of the Junior year.

A summer course (Sugar Technology 253) must be taken in the field during the summer period following the Junior year.

The second semester of the senior year is spent in the field or mill taking Sugar Technology 255 or 257, for which 16 credits are granted.

**SUGAR-HOUSE ENGINEERING DIVISION**

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

**SECOND YEAR**
- Mechanical Engineering 129
- Mathematics 106
- Physics 150, 151
- Chemistry 105, 124
- English 120 or 130
- Military Science and Physical Education

**THIRD YEAR**
- Civil Engineering 252, 253, 255
- Mechanical Engineering 282
- Engineering Laboratory (X.E.) 253
- Sugar Technology 201, 253
- Chemistry 230
- Physics 250, 251

**FOURTH YEAR**
- Mechanical Engineering 284
- Physics 200
- Sugar Technology 250, 252, 257
- Economics 150

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. A program combining the fundamental subjects of Household Art and Household Science as well as the required training in Psychology and Education is provided for students who wish to fit themselves as teachers of Home Economics. Students planning to teach Home Economics are expected to major in one branch of the subject and elect the other branch as a minor. In order to guide the student, certain elective subjects are suggested as particularly adapted for the work of that year. The student will be assisted by her faculty adviser in arranging a program of studies adapted to her needs and capabilities.
### UNIVERSITY OF HAWAII

#### REQUIRED COURSES

<table>
<thead>
<tr>
<th>HOUSEHOLD ART</th>
<th>HOUSEHOLD SCIENCE</th>
<th>VOCATIONAL EDUCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST YEAR</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English 100 or 102</td>
<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>
<td>Chemistry 101 or 102</td>
</tr>
<tr>
<td>Household Science 150</td>
<td>Household Science 150</td>
<td>Household Science 150</td>
</tr>
<tr>
<td>Household Art 110, 112, 150, 151</td>
<td>Household Art 110, 112</td>
<td>Household Art 110, 112, 150</td>
</tr>
<tr>
<td>Art 150, 151, 153, 154, 155</td>
<td>Physical Education</td>
<td>Art 150, 153</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
</tbody>
</table>

| **SECOND YEAR** |                   |                      |
| English 130 | English 120, 130 | English 120, 130 |
| Art 170, 171 | Household Art 114 | Household Art 114 |
| Household Art 114 | Household Science 102 | Household Science 102 |
| Household Science 102 | Economics 150, 151 | Psychology 150 |
| Economics 150, 151 | Zoology 291 | Education 151 |
| Physical Education | Chemistry 105, 106* | Physical Education |

| **THIRD YEAR** |                   |                      |
| Art 172, 173 | Household Science 200 | Home Economics 250 |
| Household Art 252, 253 | Home Economics 250 | Psychology 250 |
| Household Science 271 | Chemistry 260 | Education 251 |
| Home Economics 250 | Botany 151 | Household Science 271 |
| Physical Education | Physical Education | Home Economics 252 |

| **FOURTH YEAR** |                   |                      |
| Art 276, 277 | Household Science 249 | Education 252 |
| Physical Education | Physical Education | Education 252a |
|                    |                      | Education 253 |
|                    |                      | Education 260, 261 |
|                    |                      | Practice House |
|                    |                      | Physical Education |

#### 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 considerable latitude in the selection of studies, but is required to carry the major part of his elective work in some one group of sciences.

* First semester only.
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, (4) Physics and Mathematics. During the last four semesters the student must devote the major part of his time to the subject selected and to closely related courses in the other subjects. To graduate it will be necessary that at least 30 credit hours be gained in his major subject.

Students who plan to specialize in Chemistry, Zoology or Botany should have a working knowledge of German and French, since it 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 32). 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.

*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 six 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:
# University of Hawaii

## 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>Chem. 211, 212, 213, 214, 215, 216, 230, 260, 261</td>
</tr>
<tr>
<td>Language or Political Science 150 and 151</td>
<td>Geol. 252, 253, 256</td>
<td>C. E. 231, 252, 253, 255, 256</td>
</tr>
<tr>
<td>Language or History 140</td>
<td>C. E. 101</td>
<td>M. E. 252, 282</td>
</tr>
<tr>
<td></td>
<td>M. D. 133</td>
<td>Geol. 254, 255</td>
</tr>
</tbody>
</table>

### 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, 107</td>
<td>Bot. 151, 153, 203, 208, 209, 253, 254, 300</td>
</tr>
<tr>
<td>Zoology 150, 151</td>
<td>Chemistry 105, 106</td>
<td>Chem. 230, 260, 261</td>
</tr>
<tr>
<td>Geography 150, 151</td>
<td>Zoology 100</td>
<td>Zool. 102, 152, 153, 251, 253, 260, 261, 270, 271, 291, 300</td>
</tr>
<tr>
<td>Drawing</td>
<td>Geology 252, 253, 256</td>
<td>Agr. 250, 251, 254, 256, 259, 261, 262</td>
</tr>
<tr>
<td>Language or Political Science 150 and 151</td>
<td>H. S. 102</td>
<td>Geol. 254, 255, 261</td>
</tr>
<tr>
<td></td>
<td>Physics 102</td>
<td>H. S. 200, 249, 251, 271, 350, 351</td>
</tr>
<tr>
<td></td>
<td>Psychology 150</td>
<td>Econ. 150, 151</td>
</tr>
<tr>
<td></td>
<td>Language or History 140</td>
<td>Physics 255, 257</td>
</tr>
</tbody>
</table>

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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.
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 28 and 29 should be offered, three 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 50).
(b) have received credit for a minimum of 128 semester hours, and
(c) have gained a minimum of 136 grade points,* of which at least 69 must have been earned during the last half of the course.

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 Chinese 200, Japanese 200, Hawaiian 200, or an equivalent by the end of the Junior year. 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

* For an explanation of grade points see page 30.
to the prescribed courses in Military Drill and Physical Education. Students who have, however, during the preceding semester, gained a minimum of 30 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 five groups of allied subjects indicated below, and is given a faculty adviser who will assist him in his choice of studies. No credit will be given for any course not regularly entered, with the Dean's approval, upon the registration card.

Group I. Social Sciences.
Group II. Languages, Literature, and Art.
Group III. Natural and Physical Sciences.
Group IV. Education. (See School of Education, p. 54.)
Group V. Economics and Business.

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

Prescribed Courses

FIRST YEAR

<table>
<thead>
<tr>
<th>Semester</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. Sc. 150, 151</td>
<td>3</td>
</tr>
<tr>
<td>Modern Language</td>
<td>3</td>
</tr>
<tr>
<td>Mil. Sc.</td>
<td>1 ½</td>
</tr>
<tr>
<td>Phys. Ed.</td>
<td>½ or 1</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

16-18

SECOND YEAR

<table>
<thead>
<tr>
<th>Semester</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>1 ½</td>
</tr>
<tr>
<td>Phys. Ed.</td>
<td>½ or 1</td>
</tr>
<tr>
<td>Elective</td>
<td>6-12</td>
</tr>
</tbody>
</table>

16-18

THIRD AND FOURTH YEARS

All electives, except Physical Education for women, 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 prerequisites of the courses are satisfied. The student is expected, however, to map out a plan of study with the aid of a faculty adviser. The group electives are listed under the heads of the respective groups, together with the year in which they can ordinarily be most advantageously taken.

* 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.
‡ Men ½; women 1.
GROUP I—SOCIAL SCIENCE

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 courses in History, Political Science, Sociology, Economics, Business and Geography.

First and Second Years:
- History 100, 110, 124, 125, 140, 147, 172
- Geography 150, 151
- Political Science 160, 161
- Economics 123, 150, 151
- Sociology 150, 151

Third and Fourth Years:
- History 220, 241, 243, 244, 245, 252, 253, 254, 256, 257, 258, 259, 265, 273, 275, 281, 310, 320, 327
- Geography 252, 253, 300
- Political Science 200, 240, 254, 255, 260, 261, 262, 263, 271, 330
- Economics 260, 261, 270, 273, 276, 281, 300
- Business 274, 275, 291
- Sociology 260, 261, 264, 267, 291, 294, 295, 350, 351, 360, 361

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, Chinese, Japanese, and Art; Economics 123; History 110, 291; Political Science 256, 281; Psychology 252; Sociology 150, 151.

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 31.

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 32.

First and Second Years:
- Chemistry 101, 102, 105, 106, 124
- Botany 101, 102, 106, 107, 151, 153
- Zoology 100, 102, 150, 151, 152, 153
- Mathematics 104, 106, 149, 150, 151, 152, 153
- Physics 102, 150, 151

Third and Fourth Years:
- Chemistry 211, 212, 213, 214, 215, 216, 217, 230, 260, 261, 310, 318
- Botany 208, 209, 253, 254, 300
- Zoology 251, 253, 260, 261, 270, 271, 291, 300
- Mathematics 250, 252, 253, 254, 255, 270, 271, 272, 273, 274, 275
- Physics 200, 250, 251, 254, 255, 257, 351, 361
- Geology 252, 253, 254, 255, 256, 261, 300
GROUP IV—EDUCATION

Students who desire to enter the teaching profession will prepare for admission to the School of Education (see page 54), electing courses in the first and second years which will contribute to the objective in view. Psychology 150 and Education 151 will be taken in the second year.

GROUP V—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 adviser, one of the five fields or programs of study into which the work of the Group is divided. These fields are: (a) Business Management and Finance, (b) Merchandising, (c) Foreign Trade, (d) Accounting, and (e) 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.

OUTLINE OF COURSES 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

THIRD AND FOURTH YEARS

BUSINESS MANAGEMENT AND FINANCE

Business 250, 251, 260, 261, 264, 265, 266, 270, 271, 291
Economics, 260, 261, 270, 276
English 201
Political Science 254, 255

MERCHANDISING

Art 156
Economics 260, 270, 273
English 201
Political Science 254, 255
FOREIGN TRADE

Economics 260, 273
English 201
History 124, 125
Political Science 260

ACCOUNTING

Business 150, 151, 250, 251, 259, 260, 261, 264, 265, 270, 271, 291
Economics 260, 276
English 201
Political Science 254, 255

ECONOMICS

Business 150, 151, 264, 270, 271
Economics 260, 261, 270, 276, 281
History 243
Political Science 160, 161, 254
Sociology 151
SCHOOL OF EDUCATION

Faculty

While the entire faculty of the University is available for instructional service for students in the School of Education, those listed below conduct professional courses in the School.

Thayne M. Livesay, Education and Psychology
E. Lowell Kelly, Education and Psychology
Fred E. Armstrong, Agricultural Education
Robert R. Spencer, Supervisor of Practice Teaching
John S. Donaghho, Mathematics
Adelaide Morris, Art and Design
Katherine Bazare, Home Economics
Cecyl B. Lovejoy, English
Otto Klum, Physical Education

Purpose

The School of Education is a professional unit of the University admitting only students who have done two years of college work and who can satisfy certain entrance requirements. The School offers a course of study covering two years, leading to the Bachelor's degree, and graduate courses leading to an advanced degree. It is intended that the School will perform the following functions: Provide professional training for undergraduate students who expect to teach in secondary schools; provide further professional training for teachers in service; provide advanced work for graduate students leading to the M.A. degree; conduct research relating to local problems of educational and psychological import.

Admission

All prospective teachers are expected to enter the School of Education.

Students from either college of the University or from other collegiate institutions of recognized standing may be admitted provided they (1) have earned a minimum of 64 semester hours credit and an equal number of grade points, (2) have satisfactorily completed certain lower division courses, or their equivalent, required by the College of Arts and Sciences, and in addition Education 151 and Psychology 150, and (3) pass an entrance examination in oral and written English.
Degree Requirements

Candidates for the degree of Bachelor of Arts in Education must satisfactorily fulfill the requirements set by the College of Arts and Sciences and in addition must complete the courses prescribed by the School of Education.

Required Professional Courses

<table>
<thead>
<tr>
<th>JUNIOR YEAR</th>
<th>SENIOR YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology 250</td>
<td>Education 252</td>
</tr>
<tr>
<td>Education 251</td>
<td>*Education 252a-g</td>
</tr>
<tr>
<td></td>
<td>Education 253</td>
</tr>
<tr>
<td></td>
<td>Education 260</td>
</tr>
<tr>
<td></td>
<td>Education 261</td>
</tr>
<tr>
<td></td>
<td>Education 295</td>
</tr>
</tbody>
</table>

All candidates will be required to prepare for teaching in two fields, with a minimum of 20 semester hours in each field.

Graduates who intend to begin their teaching in Junior High Schools of Hawaii should choose their teaching subjects from the following list: Art, Agriculture, Economics and Business, English, Home Economics, Mathematics, Physical Education, Science, Social Science.

Students in vocational agriculture and home economics will register in the School of Education but continue to be subject to the graduation requirements prescribed by the College of Applied Science, receiving the degree of Bachelor of Science.

Candidates for the Master's degree are governed by the rules and regulations of the University pertaining to graduate study. (See page 34)

* Certain of these courses are given in alternate years only and should be taken in the Junior year.
COURSES OF INSTRUCTION

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.

Of these latter, first semester courses are designated by even numbers and second semester courses by odd numbers.

Courses marked by an asterisk are open to auditors (see page 28.)

AGRICULTURE

150 Farm Practice  Henke and Agricultural Staff

A period of at least eight weeks must be spent in practical farm work, either on the University farm or some other approved farm where diversified agriculture is practiced. The purpose in this course is to gain familiarity with the fundamental agricultural operations, the care of farm animals, and the care and use of implements. Required of all students in Agriculture and Agricultural Division of Sugar Technology before the beginning of the Junior year. Those who can present satisfactory evidence of sufficient practical experience may be excused from this requirement.

151 Animal Husbandry  Henke

A general study of the important breeds of horses, cattle, sheep, and swine, their feeding, care and management. Lectures, recitations and laboratory work. Fee $1.00. Second semester, 3 credits.

152 Poultry Husbandry  Bice

An elementary course dealing with the embryology of the baby chick, 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. Fee $1.00. First semester, 3 credits.

157 Conservation of Natural Resources.  Bristow Adams

A lecture course dealing with the history, development and problems of conservation of forests and other natural resources of the country, including animal life, water, minerals, etc. Two lectures per week. Given 1929-1930. Second semester, 2 credits.

160 Gardening Practice  Barrett

A popular course in the science underlying the practices of fruit, vegetable and flower gardening. Given 1929-1930. First semester, 1 credit.
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. Fee, $3.00; returnable deposit, $2.00. First semester, 5 credits.

251* Crops
Barrett
A study of the history, botany and culture of the leading tropical and temperate zone crops with special emphasis on the former. Re­quired of Juniors in Agriculture and Sugar Technology, Agriculture and Chemistry divisions. Prerequisite: Agriculture 250. Three lec­tures or recitations, two laboratory periods each week. Fee $2.00. Second semester, 5 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, recitations, and laboratory periods. 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, butter-making, etc. Two lectures or recitations, and one laboratory period a week. Fee $1.00. Second semester, 3 credits.

254* Genetics
Collins
A study of the underlying principles and their practical application in the improvement of plants and animals. Opportunity is offered to qualified students to undertake original investigations in the breed­ing of sugar cane, pineapples and other crops. The development of new varieties of legumes, tomatoes and other crop plants, as well as of a new variety of poultry is now under way. Required of Juniors in Agriculture and Sugar Technology, Agriculture division. Prerequisite: Botany 101. Lectures, recitations and laboratory work. Fee $1.00. 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. Two lec­tures, one quiz. Fee $1.00. Second semester, 3 credits.

257 Feeds and Feeding
Henke
A detailed study of the feeding of all kinds of farm and plantation animals. Lectures and recitations. Second semester, 3 credits.
Properly qualified students will be recommended for eight weeks of summer practice work as student assistants at the Experiment Station of the Hawaiian Pineapple Canners' Association at Wahiawa. The student assistants will be under the direction of the Director of the Station and will be detailed to various activities of the Station with a view to becoming acquainted with as many aspects as possible of pineapple culture. Only students who register in the course in Agriculture may use these credits towards graduation. Advised as prerequisite for Agriculture 260. 6 credits.

A study of pineapple production in all its phases, paralleling the course in Sugar Production. Advised prerequisites: Agriculture 250 and 258. Fee $2.00. First semester, 4 credits.

A general study of horticulture with special reference to the fruits and vegetables of the Hawaiian Islands. Prerequisite: Botany 101. Fee $1.00. Second semester, 3 credits.

Practical plant and animal improvement by breeding. Application of the laws and principles of genetics in their relation to crop plants and live stock, including poultry. Prerequisite: Agriculture 254. Fee $1.00. First semester, 3 credits.

During the second semester of the Senior year students majoring in Pineapple Production will be required to work in the capacity of student assistants at the Experiment Station of the Hawaiian Pineapple Canners' Association at Wahiawa, 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.

A course in the cultivation and production of coffee, with reference to Hawaiian conditions. Given in 1929-1930. First semester, 3 credits.

Advanced individual work in field and laboratory, with accompanying library work. Second semester, credit by arrangement.

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
Courses of Instruction

requirements of common plants. Open to Juniors and Seniors. No prerequisites. Three recitations, one laboratory. Second semester, 4 credits.

293 Irrigation Practice

Lectures, discussions, and outside readings covering the field of irrigation practice from the standpoint of the agriculturist. The course is devoted to water supply and measurement, conveyance of water in open and closed conduits and methods of irrigation. Open to Juniors and Seniors. Prerequisite: C. E. 101. Two recitations and one laboratory period. Second semester, 4 credits.

294 Irrigation Practice

Lectures and discussions covering the effect of irrigation upon soil moisture distribution and plant responses, including a critical study of the water requirements of crop plants. Open to Juniors and Seniors. Prerequisite: C. E. 101. Two recitations and one laboratory period. This course should be preceded by 293. First semester, 3 credits.

300 Research Work

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

ART

Courses 150 and 154-155 are basic art courses and should be taken concurrently. Until further notice Art 152 has been combined with Art 150.

Students who apply for advanced standing or for exemption from any art course must submit examples of previous work.

Art Appreciation

150 Art Appreciation and Design

The philosophy of esthetics and analysis of the elements and principles underlying all the space arts. Illustrated lectures, museum trips, class discussion, and simple exercises in line, dark-and-light, and color harmony to stimulate the appreciation and develop creative power. No prerequisite. First semester, two periods studio, 2 credits.

151 Art Appreciation and History

An appreciative study of Prehistoric, Primitive, Ancient, Early Mediaeval and Gothic art. Prerequisite: Art 150. Illustrated lecture course. Second semester, 2 credits.

250-251 Art Appreciation

An appreciative study of traditional art forms, their origin and development as shown in the finest art products of various peoples, ages, periods, schools, or artists. The influence of Occidental and Oriental art upon each other. A tentative evaluation of contemporary
art. Prerequisites: Art 150-151. Lecture course. First and second semesters, 2 credits each.

252-253 An Introduction to the Study of Chinese and Japanese Art Cox

The development of Chinese Art with its philosophic background is studied the first semester. Japanese Art, the second semester. The classes are conducted at the Honolulu Academy of Arts, using the Oriental collections as illustration. Two hours per week. First and second semesters, 2 credits each.

Crafts

175 Textile Decoration for Stage Costume Rempel

Practice in many decorative processes applied to costume. Making of costumes for plays. Prerequisites: Art 150, 153. Second semester, 2 credits.

276-277 Stage Craft and Stage Costume Rempel

Art structure as related to the stage and stage costume. Primary moods and emotions depicted through freely painted stage designs. Designing sets for plays. Construction, lighting and manipulation of miniature stage and stage sets. Brief history of costume and stage. Costume design for the stage. Use of line, dark-and-light and color to present mood and character. Prerequisites: Art 150, 153, 154-155, 170. First and second semesters, 2 credits each.

Design

153 Art Structure Morris


156 Elementary Lettering Rempel

Study and appreciation of fine lettering. Study of modern letter forms and attractive layouts in advertising. Exercises in the underlying principles of lettering for freedom and originality of expression. Quick and accurate writing for commercial purposes with emphasis upon design. No prerequisites. Note: This class is arranged primarily to meet the needs of the class in advertising. First semester, 2 credits.

170 Imaginative Design Rempel

Creative power and originality developed through use of imaginative motifs, fundamental design structure, interpenetration of planes, and abstract form and color movements. Prerequisites: Art 150, 153. First semester, 2 credits.

171 Industrial Design Rempel

Designs for specific crafts including pottery, leather, weaving, metal, etc. Designs rendered in commercial style. Prerequisites: Art 150, 153, 170. Second semester, 2 credits.
Courses of Instruction

270 Advanced Composition

Creative composing of all manner of naturalistic and imaginative forms, in two, and three dimensions. Emphasis upon well balanced and harmonious composition. Wall decoration. Prerequisites: Art 150, 153, 170. First semester, 2 credits.

Drawing and Painting

154-155 Freehand Drawing

Principles of perspective and development of feeling for fine quality in line and mass drawing of casts, still life, buildings, interiors and furniture. Value renditions in various mediums. Memory sketching. Some work in color. This course should be taken concurrently with Art 150. Two periods studio. First and second semesters, 2 credits each.

160-161 Painting

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 150, 154-155. Two periods studio. First and second semesters, 2 credits each. (Not offered in 1930-1931.)

266-267 Etching

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. Studio fee, $1.00 per semester. Prerequisite: Course 160-161. Two periods, studio and outdoor work. First and second semesters, 2 credits each. (Not offered in 1930-1931.)

Illustration and Commercial Art

272 Beginning Illustration

Imaginative figure drawing, including features and types, draped figure and action sketching. Also a study of notan compositions and rendering of various forms and structures in black and white. Prerequisites: Art 150, 153, 154-155. First semester, 2 credits.

273 Book Illustration

Illustration of fables, legends and imaginative tales. Beginning with spontaneous expression and leading to a more carefully planned composition. Prerequisites: Art 150, 153, 154-155, 272. Second semester, 2 credits.

275 Commercial Art

Fundamentally a course in composition plus the technical requirements of advertising and the psychology of selling. A study of post-impressionistic trend in various commercial mediums including newspapers, magazines, car-cards, billboards, posters, trademarks, folders,
etc. Prerequisites: Art 150, 153, 154-155, 156. Second semester, 2 credits.

Interior Decoration

172 House Design and Decoration Morris
Appreciative study of the house, its surroundings and furnishings. Lectures, excursions to shops and museums, discussions and demonstrations. Large compositions of simplified mass and arrangement of furnishings in the room. Color harmony. Historic styles and present day adaptations. Prerequisites: Art 150, 153, 154-155, and 170-171, which may be taken concurrently. First semester, 2 credits.

173 Furniture Design Morris
Original designs for furniture and art objects. Technical rendering of rooms in color. Excursions to homes for practical discussion and study. Prerequisite: Art 172. Second semester, 2 credits.

BOTANY

101 General Botany St. John and Bean
A study of the organization of seed plants. The structure of the members of the plant body, 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. Fee $3.00 per semester. Locker deposit $1.00. 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. 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 per week. Fee $3.00; breakage deposit $3.00, each semester. First and second semesters, 3 credits each.
107 Histological Technique

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

151 General Bacteriology

An introductory course on the morphology and physiology of bacteria and the relation of these organisms to household and industrial processes and to sanitation. The preparation of culture media, methods of isolation and the study of cultural characteristics. Text: Hilliard, "A Textbook of Bacteriology and Its Applications." Laboratory guide: Levine, "Laboratory Technique in Bacteriology." Prerequisite: Botany 101 or one year of Zoology. One hour recitation or lecture and six hours laboratory per week. Fee $2.50; breakage deposit of $5.00. Second semester, 3 credits.

153* Plant Pathology

A systematic study of plant diseases. The morphologic characters, life history and methods of control. Text: Duggar's "Diseases of Plants." Prerequisite: Botany 101. One hour lecture or recitation, two periods laboratory a week. Fee $3.50. Second semester, 3 credits.

208 Advanced Plant Physiology

A study of the process of nutrition and growth of plants based on modern interpretations of such subjects as permeability, ascent of sap, photosynthesis, respiration, enzyme action, the role of inorganic elements, nitrogen assimilation, and plant buffer systems. Discussions of the pro-seminar type devoted to recent literature of the subject and selected laboratory experiments. Prerequisites: Botany 106, Chemistry 105, and Chemistry 212. One discussion hour and one or two laboratory periods per week. Fee $5.00 per semester. First and, or, second semester, 2 or 3 credits each.

209 Plant Anatomy

A study of the structure of vascular plants. The origin and differentiation of tissues and the relation of structure to function are emphasized. Text: Eames and McDaniels, "Introduction to Plant Anatomy." Prerequisite: Botany 101; Botany 107 desirable but not required. One hour recitation, two laboratory periods per week. Fee $5.00, deposit $3.50. First and second semesters, 3 credits each.

253 Plant Ecology

A study of plants in relation to their environment, including the climatic and geographic factors. Plant sociology, comprising the origin, development, structure, and succession of plant societies. Prerequisite: Botany 102. Fee $3.00 per semester. Two lecture hours and two laboratory periods per week. Second semester, 4 credits.
254 Advanced Taxonomy  
St. John

A synoptical treatment of the higher Dicotyledons, with laboratory study of the important families, of plant distribution, and the independent identification of collections. Qualified students may do part of their work in the Herbarium of the Bishop Museum. Prerequisite: Botany 102. Fee $3.00. One lecture hour and one or more laboratory periods each week. First semester, 2 or more credits.

300 Botanical Research  
St. John and Bean

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

CHEMISTRY

101 General Chemistry  
Wrenshall and Fujimoto

An elementary course in general chemistry, for students without previous training in the subject, designed to serve either as a foundation for further work in chemistry or as a brief survey for those who do not intend to take further work in the science. Students who receive entrance credit in chemistry will not be given University credit in this course. Three hours classroom and one period laboratory a week. Text: "Introductory College Chemistry" and "Laboratory Manual in General Chemistry" by Holmes. Fee $5.00 per semester; breakage deposit, $3.00 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. The last month in the course is devoted to qualitative analysis and the principles of theoretical chemistry upon which it is based. Experimental lectures, recitations, and laboratory work. Texts: "General Chemistry," by Deming; "Exercises in General Chemistry," by Deming and Arenson. 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. Fee $5.00 per semester; breakage deposit $3.00 per semester. First and second semesters, 4 credits each.

105* Organic Chemistry  
Wrenshall

The Aliphatic and Aromatic Series. Lectures, collateral reading, discussions, and frequent quizzes. For those who specialize in chemistry and sugar technology, chemistry division, this must be accompanied by the laboratory course. Text: J. F. Norris' "Organic Chemistry." Prerequisite: Chemistry 101 or 102. Three hours classroom a week. First and second semesters, 3 credits each.

106 Organic Chemistry Laboratory  
Wrenshall

To be taken in conjunction with Chemistry 105. A study of the preparation, separation and analysis of a number of organic com-
Courses of Instruction

pounds. One period laboratory a week. Text: “Experimental Organic Chemistry,” by J. F. Norris. Fee $6.00 per semester; breakage deposit $5.00 per semester. First and second semesters, 1 credit each.

124 Qualitative Analysis

A course in systematic qualitative analysis covering the characteristic reactions, detection, and separation of the common basic and acidic ions. Methods for the solution and analysis of solid unknowns are included. In the lecture period the fundamental principles of theoretical chemistry and reactions involved in the analysis are studied. Text: “Qualitative Chemical Analysis,” by A. A. Noyes. Prerequisite: Chemistry 101 or 102. One lecture and two periods of laboratory a week or lectures at the discretion of the instructor. Fee $5.00 per semester; breakage deposit $5.00 per semester. First and second semesters, 3 credits each.

211 Physical Chemistry

An introductory course in theoretical chemistry, including the study of pressure-volume relations of gases, theories of solution, homogeneous chemical equilibrium, phase rule, colloids, thermochemistry, electrochemistry, and the modern theories of the constitution of matter. It is required that this course be taken concurrently with Chemistry 212 and 214. Text: “Physical Chemistry for Colleges,” by Millard. Prerequisites: Chemistry 124 and 230. Two hours classroom a week. First and second semesters, 2 credits each.

212 Physical Chemistry Laboratory

A series of laboratory exercises in the practice of physical chemical methods. Open to students who have completed or are taking Chemistry 211. Text: “Experimental Physical Chemistry,” by Daniels, Mathews and Williams. Prerequisites: Chemistry 124 and 230. This course must accompany Chemistry 211 and 214. One laboratory period a week. Fee $3.00 per semester; breakage deposit $5.00 per semester. First and second semesters, 1 credit each.

213 Advanced Physical Chemistry Laboratory

A continuation of Chemistry 212. Open only to students who have completed Chemistry 212. Permission to take Chemistry 213 must be obtained from the instructor before registration. Fee $3.00 per semester; breakage deposit $5.00 per semester. First and second semesters, 1 credit each.

214 Problems in Physical Chemistry

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

215 Chemical Literature

A library course in which articles appearing in current chemical periodicals are studied, and topics are assigned for reports. Prerequisites: Chemistry 101 or 102, 124 and 230. To be taken in con-
juncture with Chemistry 216. One hour classroom a week. First and second semesters, 1 credit each.

216 Advanced Quantitative Analysis  Dillingham, Wrenshall and Bilger
Analysis of special substances, such as foodstuffs, soils, fertilizers, ores, iron, steel, water, etc. Prerequisites: Chemistry 101 or 102, 124 and 230. Three periods laboratory a week. Fee $3.00 per semester; breakage deposit $5.00 per semester. First and second semesters, 3 credits each.

217 Advanced Organic Chemistry  Wrenshall
Chiefly laboratory work with collateral reading in various reference books and chemical journals. Occasional class discussions and frequent conferences largely replace the usual lectures and quizzes. A limited number of compounds of physiological or pharmacological interest are prepared by methods selected to illustrate general organic reactions, more difficult to perform than those given in Chemistry 106, such as the preparation of salicyl aldehyde by Reimer's reaction, and Skraup's synthesis of quinoline. Representative substances prepared will be completely analyzed. Prerequisite: Chemistry 105, 106 and 230 (the last may be taken parallel). Fee $5.00 per semester; breakage deposit $5.00 per semester. First and second semesters, hours and credits to be arranged.

230 Quantitative Analysis  Fujimoto and Wrenshall
The principles of gravimetric and volumetric analysis, including laboratory practice in calibration of glassware, determination of the constants of the balance, and the analysis of pure substances and commercial products. Text: "Quantitative Analysis," by Popoff. Prerequisites: Chemistry 102, or 101 and 124. One hour classroom and two periods laboratory a week. Fee $5.00 per semester; breakage deposit $5.00 per semester. First and second semesters, 3 credits each.

260* Biological Chemistry  Dillingham
A course consisting of lectures, recitations, supplementary reading, and laboratory periods dealing with the chemistry of food constituents, plant and animal life and nutrition. Prerequisites: Chemistry 102, or 101 and first semester of 105. Two hours classroom and one laboratory period a week. Fee $3.00; breakage deposit $3.00. First semester, 3 credits.

261* Agricultural Chemistry  Dillingham
A course consisting of recitations, supplementary reading and laboratory periods dealing with the chemistry of soils, fertilizers, foods and insecticides. Prerequisites: Chemistry 260 and its prerequisites and one semester of chemistry 230. Two hours classroom and two laboratory periods a week. Fee $3.00; breakage deposit $5.00. Second semester, 4 credits.

310 Colloidal Chemistry  Bilger
An introduction to the chemistry of colloids. Chiefly laboratory work with occasional lectures, class discussions, and conferences.
Assigned readings in various standard text books on colloids and also in the chemical journals; written reports are required. Open to students who have completed or are taking Chemistry 211. Text: "Laboratory Manual of Colloid Chemistry," by Holmes. Permission to take Chemistry 310 must be obtained from the instructor before registration. Fee $3.00; breakage deposit $5.00. Second semester, 1 credit.

318 Chemistry Research Dean, Dillingham, Wrenshall and Bilger

The preparation of a thesis on some subject in pure or applied chemistry. Elective course, particularly for graduate students. Hours, credits and fees to be arranged. Fee and breakage deposit not less than $5.00 each per semester.

**CIVIL ENGINEERING**

(See Engineering)

**ECONOMICS AND BUSINESS**

Economics

123 Economic History Cameron

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. Fee, $1.50. First and second semesters, 3 credits each.

150-151 The Principles of Economics Cameron

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

252 Introduction to Economics Cameron

A brief survey of economic principles and problems of special interest to students in Agriculture, Civil Engineering and Sugar Technology. Not open to majors in other departments except by consent of the instructor. Credit cannot be received for both this course and course 150-151. Second semester, 3 credits. (Not offered, 1930-1931.)

260 Money and Banking Cameron

Principles governing the functioning of money, laws controlling its value, monetary history and present monetary system of the United States followed by an analysis of the principles underlying sound banking and a detailed study of the banking system of the United States. Prerequisite: Economics 150-151 or Economics 252. First semester, 3 credits. (Not offered, 1930-1931.)

261 Public Finance Bennett

Principles of taxation and public expenditures. National, state and
local taxes. Public debts. Prerequisite: Economics 150-151 or Economics 252. Second semester, 3 credits.

262-263 Practical 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.

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 or Economics 252. Fee $1.50. Second semester, 3 credits. (Not offered, 1930-1931.)

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 or Economics 252. 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 or Economics 252. 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 or Economics 252. First semester, 3 credits. (Not offered, 1930-1931.)

300 Seminar in Economics

Directed reading or research work 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 three credits a semester.
Courses of Instruction

Business

149 Outline of Accounting Graham

A brief survey of accounting. Emphasis is placed on the reading and interpretation of financial statements. First semester, 3 credits. (Not offered, 1930-1931.)

150-151 Elementary Accounting Graham

A study of the fundamental principles of accounting supplemented by practice in the solution of problems. The proprietorship equation, principles of debit and credit and their application to the balance sheet and the profit and loss statement, controlling accounts and the use of the simple columnar journals. Prerequisite: Sophomore standing. First and second semesters, 3 credits each.

250-251 Intermediate Accounting Graham

The principles and practices of accounting in relation to the corporation. Accounting for capital stock, bonds, sinking funds, theory and practice of depreciation, capital and revenue expenditures and special reserves. Preparation of the balance sheet and profit and loss statement for managerial use. Prerequisite: A grade of at least 70 in Business 151, Economics 150-151. First and second semesters, 3 credits each.

252-253 Advanced Accounting Graham

A study of topics not covered in Business 150-151 and 250-251, such as the consolidated balance sheet and income statement, budgetary control. Particular emphasis will be placed on the relation of accounting to management. Prerequisite: A grade of at least 70 in Business 251. First and second semesters, 3 credits each. (Not offered 1930-1931.)

259 Office Management Graham

Office organization and management. Particular emphasis is placed on layout, equipment, record keeping, qualifications of manager and personnel, promotion of efficiency and the function of the office in a business unit. Prerequisite: Business 150-151. Second semester, 2 credits.

260-261 Business Law Steadman

This course deals in a general way with the following subjects: Contracts, agency and sales, negotiable instruments, the legal aspects of credits and collections and the law of competition. Prerequisite: Junior standing. First and second semesters, 2 credits each. (Not offered, 1930-1931.)

264 Business Organization and Management Cameron

General principles underlying the organization and management of businesses. Some of the topics discussed are, selection of goods, principles of location and size, problems of expansion, legal forms of organization, customer and public relations, capital and labor policies, etc. Prerequisite: Economics 150-151 or Economics 252. First semester, 3 credits.
265 Corporation Finance
Graham

Problem of the financial administration of corporations. The background of financial administration, determination of capital requirements, sources and devices for securing capital, marketing securities, control of capital disbursements, control of credit, control of income, organization for financial administration. Prerequisites: Economics 150-151 or Economics 252, and Business 150-151. Second semester, 3 credits. (Not offered, 1930-1931.)

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, general principles underlying investing, tools of investment, types of investment institution and their functioning in the process of investment. Prerequisites: Economics 150-151 or Economics 252 and Business 150-151. First semester, 3 credits.

270-271 Marketing
Bennett

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 research. Marketing policies. Prerequisites: Economics 150-151 or Economics 252 and Business 150-151. First and second semesters, 3 credits each.

272 Sales Management
Bennett

An analysis of the essentials of a good sales organization. The sales manager and his relation to factory, product and market, price making and price protection, selection of salesmen, training, equipment and compensation of salesmen, sales conventions and conferences, sales competition and sales budgeting are some of the topics emphasized. Prerequisites: Economics 150-151 or Economics 252 and Business 150-151. First semester, 2 credits. (Not offered, 1930-1931.)

273 Advertising
Bennett

An economic and psychological analysis of advertising followed by a study of the technique employed, such as copy, layout, slogans, trade-marks, campaigns, etc. Prerequisite: Economics 150-151 or Economics 252. Second semester, 3 credits.

274-275 Foreign Trade
Bennett

The theory and technique of foreign trade followed by a survey of the commercial policies of the leading commercial nations. Prerequisites: Economics 150-151 or Economics 252 and Business 270-271. First and second semesters, 3 credits each.

276 Retail Merchandising
Bennett

Retail store management and selling methods. Topics stressed are personnel problems, employee turn-over, wages and training of salespeople, store location, merchandise classification and control, layout and management of displays, stock turnover, determination of the most
Courses of Instruction

profitable lines of costs of distribution, price policies, credit and financial policies, returned goods, delivery and general administrative problems. Prerequisites: Economics 150-151 and Business 150-151 and Business 270-271. First semester, 3 credits.

280 Personal Salesmanship Bennett
A study of sales tactics and methods. Buying motives, prospecting, equipment, sales canvass, securing the interview, approach, demonstration, objections, closing and types of customers are some of the subjects emphasized. Consideration is also given to the more important problems of particular kinds of personal selling as insurance, real estate, etc. Prerequisite: Economics 150-151 or Economics 252. First semester, 2 credits.

291 Statistics Bennett
Statistical indices of business conditions, averages 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, 1930-1931).

300 Seminar in Business Cameron, Graham and Bennett
Directed reading or research work 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 three credits a semester.

EDUCATION

151* Introduction to Education Kelly
This course is intended for beginning students in Education and others who may be interested in the field even though they are not looking forward to the teaching profession. The aim is to give the student a survey of the broad field of Education. Treatment is given to such topics as teaching as a profession, public school organization, the curriculum, the historical background of American education, scientific principles of child training, etc. Not open to first year students. Second semester, 3 credits.

251 Principles of Secondary Education Kelly
This course deals with the 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; values of the various secondary school subjects; and adapting secondary instruction to individual differences are some of the major topics considered. Prerequisite: Psychology 250. Second semester, 3 credits.

252 Principles of Teaching in Secondary Schools Livesay
A treatment of the application of psychological principles to classroom procedure. The course covers such topics as diagnosis of pupils,
motivation, lesson planning, discipline, teaching pupils to think, testing, and supervised study. Systematic visits to secondary schools will be required as part of the course. Limited to seniors and graduate students in the School of Education. First semester, 3 credits.

252a Teachers' Course in Home Economics Bazore
A course for prospective teachers of Home Economics as well as for 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, and laboratory equipment and text-books. Second semester, 2 credits.

252b Teachers' Course in Mathematics Donaghho
An analysis of the mathematics of the secondary school courses with reference to the underlying principles and methods of teaching. Prerequisites: Elementary algebra and plane geometry. First and second semesters, 2 credits each.

252c Teachers' Course in Physical Education Klum
A course in theory and practice of physical education for men and women who expect to handle physical education activities in secondary schools. The course covers the coaching of secondary school sports. Restricted to Juniors and Seniors and others with proper background, with registration contingent upon the consent of the instructor. Second semester, 2 credits.

252d Teachers' Course in Oral Expression Lovejoy
A course designed to give prospective teachers of English an appreciation of the aims and functions of Oral Expression in the secondary school, and practice in the special techniques necessary to achieve these ends. Alternates with Education 252e. Open to juniors and seniors. First and second semesters, 2 credits each.

252e Teachers' Course in Written Expression
A course designed to give prospective teachers of English an appreciation of the aims and functions of Written Expression in the secondary school, and practice in the special techniques necessary to achieve these ends. Alternates with Education 252d. Open to juniors and seniors. First and second semesters, 2 credits each.

252g Teachers' Course in Art Morris
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.

253 Practice in Teaching in Secondary Schools Spencer
Practice in teaching in the secondary schools in Honolulu. An arrangement exists between the Department of Education and the Department of Public Instruction whereby qualified students may have opportunity to do practice teaching in Honolulu public secondary
Courses of Instruction

schools. Usually this involves the responsibility of a class or group for the remainder of the year. All students registered in this course will be required to attend a one-hour conference each week. Open only to Seniors or Graduate students. Either semester, 5 credits.

260 Statistical Methods Kelly

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. Open only to seniors and graduate students. First semester, 3 credits.

261 Educational Measurements Kelly

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. Open only to seniors and graduate students. 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 per week. Second semester, 3 credits.

272 Teaching Agricultural 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 per week. First semester, 3 credits.

273 Visual Education Armstrong

The use of visual aids in teaching. Practice in making charts and lantern slides and in mounting specimens. The use of charts, lantern slides, motion pictures and other visual aids in teaching. Study of stereopticons and motion picture projectors. Two lecture-recitation periods and one laboratory period per week. Second 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-recitation periods per week. First semester, 3 credits.

275 Practice in Teaching Vocational Agriculture Armstrong

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

277 Practice Teaching and Field Practice Armstrong

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

283 Girl Scout Training Course Smith

A course designed to interest and provide preliminary instruction to any student wishing information on leisure time program for girls. Parts of the tenderfoot, second-class, and first-class badge requirements will be presented as the Girl Scout troop leader presents them to a troop of girls in various stages of progress. Visits to Girl Scout troops and outdoor trips will be features of the course. Limited to junior and senior women. Second semester, 1 credit. (Given in 1929-1930.)

295 History of Education in the United States Livesay

A study of the evolution of American educational institutions from the colonial period to the present, with attention to the political, social, religious, and economic factors as they have influenced educational development. Limited to seniors and graduate students. Second semester, 3 credits.

Graduate Courses

300 Educational Research The Staff

An opportunity is offered for qualified graduate students to work on research problems 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 investigation.

350 History of Education Livesay

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 and influences responsible for the modern school systems. First semester, 3 credits.

360 Advanced Statistical Methods Kelly

This course is a continuation of 260, and deals with series of related measures. Special attention is given to the interpretation of educational data by means of partial and multiple correlation and regression equations. First semester, 2 credits.

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.
Courses of Instruction

385 Seminar in Philosophy of Education

Livesay

A critical examination of the outstanding educational theories in the light of their influence upon modern educational practices. Second semester, 2 credits.

ENGINEERING

Civil Engineering

C. E. 101 Surveying

C. Andrews

Plane surveying, supplemented by lectures and drafting-room exercises. The use of the chain, tape, transit and level, and practice in the manipulation of these instruments in the field. The drafting-room work includes practice in the computations that the surveyor is called upon to make, and plotting from original notes. Text: Breed and Hosmer's "Principles and Practice of Surveying," Vol. 1. Prerequisites: M. D. 101, Mathematics 104 or 150 and 151. Required of Freshmen in Civil Engineering and Sugar Technology, Sugar-house Engineering division; Sophomores in Sugar Technology, Agricultural division. Elective for Sophomores in Agriculture, General Science and Sugar Technology, Chemistry division. $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

Keller

Lectures, laboratory, practice in testing materials of road construction, and inspection of local types of pavements. The lecture work covers the construction and maintenance of various types of roads and city pavements, special reference being made to local types. Prior to inspection trips, the specifications under which the road to be visited was built are studied. In the laboratory the student becomes familiar with the type machines used in testing road materials and the methods of performing such tests. Text: Wiley's "Principles of Highway Engineering," and Besson's "City Pavements." Prerequisites: C. E. 101 and M. D. 101. Sophomores in Civil Engineering. $2.00 per semester. First and second semesters, 2 credits each.

C. E. 201 Surveying and Drawing

C. Andrews

Recitation and field and drafting work, covering 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. Text: Breed and Hosmer's "Principles and Practice of Surveying," Vol. II, and Leland's "Practical Least Squares." Prerequisites: Mathematics 106 and C. E. 101. Juniors in Civil Engineering. $2.00 per semester. First and second semesters, 3 credits. (Alternates with C. E. 227. Not offered in 1930-1931.)

C. E. 227 Surveying

C. Andrews

Railroad surveying, construction, and economics. Field work and recitations covering 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. Texts: Willard's "Maintenance of Ways and Structures"; Searles' & Ives' "Field Engineering."
Prerequisites: C. E. 101, Mathematics 106. Seniors in Civil Engineering. $2.00 per semester. First and second semesters, 3 credits each. (Alternates with C. E. 201. Given in 1930-1931.)

C. E. 229* Municipal Engineering Keller
Lectures and recitations, including the general principles and methods of construction and cost; city water supply; waterworks, and fire protection; the method of sewage and garbage disposal; the hydraulics of sewers; the relation of rainfall to storm flow. Part of the course is devoted to municipal transportation problems now handled by the various public service commissions. Texts: Turneau & Russell's "Public Water Supply"; Metcalf & Eddy, "Sewage and Sewage Disposal, a Textbook"; Engineering Periodicals and U. S. Government Reports. 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. Text: Poorman's "Mechanics." 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
Courses of Instruction


C. E. 255 Hydraulics

Lectures and recitations covering the more important principles of hydraulics which govern and treat of fluids at rest, hydrostatic pressure, manometers, and Pitot tube, Venturi meter, strength of pipes, pressure of water against walls and dams, earth pressure, barometric leveling, flow of liquids through pipes and over weirs, fluid friction, loss of head, flow of water in open channels, Kutter's formula, impulse and resistance of fluids, the Pelton water wheel, overshot, breast and undershot wheels; turbines and reaction wheels, and the general practice of turbine testing. The laboratory practice includes the gauging and measurement of flow in channels and over weirs, tests of water motors of various types, tests of hydraulic rams, and pumping machinery of various kinds. Text: Schoder & Dawson's "Hydraulics." 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. 276 Structural Design

Lectures and drafting exercises, in which the student computes the stresses and designs the members of a plate girder bridge and a steel building truss. 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. Text: Hool & Kinne "Stresses in Framed Structures" and "Structural Members and Connections." Seniors in Civil Engineering. First semester, 3 credits.

C. E. 277 Bridge Design

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 computation, the making of complete engineer's drawings, and the specifications. Text: Hool & Kinne "Steel and Timber Structures." Seniors in Civil Engineering. Second semester, 3 credits.

C. E. 279 Concrete and Masonry Structures

The properties of stone, brick, and concrete, and their uses in engineering structures, such as foundations, retaining walls, piers, abutments, and dams; including the design of arches and dams in stone, and 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. Text: Hool & Kinne, "Concrete and Masonry Structures." Prerequisites: C. E. 201, 252 and 253. Seniors in Civil Engineering. Second semester, 3 credits.
C. E. 280 or 281 (may be taken either semester) Water Analysis Keller
A laboratory course which covers the standard methods of making physical, chemical and bacteriological examinations of water and sewage. Text: American Public Health Standard Methods. Prerequisite or parallel: C. E. 229. Elective for Seniors in Civil Engineering. Either semester, credits to be arranged.

C. E. 282 Hydraulic Construction Keller
Lectures, recitations and reports covering the more important hydraulic constructions. The work is divided into three parts, as follows: water storage, including reservoir capacity, available sources of supply, the design of spillways and flood channels; irrigation engineering, including methods of distribution, construction of flumes, tunnels, and ditches, and also touching upon the agricultural problems involved; harbor engineering, including a study of various types of wharves, methods of dredging, and harbor improvement. Prerequisites: C. E. 252, 253, and 255. Seniors in Civil Engineering. First semester, 2 credits.

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. 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
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. Text: “Fundamentals of Mechanical Drawing,” Kirby. The cost of materials and instruments required is about $50.00. First and second semesters, 2 credits each.

M. D. 133 Descriptive Geometry Webster
Descriptive geometry, 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. Texts: "Descriptive
Geometry," Tracy & North. "Exercises in Descriptive Geometry,"
Kirby. Sophomores in Engineering and Sugar Technology, Sugar-
house Engineering division. First and second semesters, 2 credits
each.

Mechanical Engineering (M. E.)

M. E. 129 Office and Shop Methods
C. Andrews

Lectures, drafting and shop inspections. Lectures familiarizing
the students with the type and use of machines and tools used in
pattern, wood-working, forge and machine shops. The laboratory
work consists of inspections of typical local shops and practice in
estimating. The elements of Graphical Statics are taken up in the
second semester. Prerequisite: M. D. 101. Sophomores in Civil
Engineering and Sugar Technology, Sugar-house Engineering division.
First and second semesters, 2 credits each.

M. E. 252 Materials of Engineering
Keller

Lectures and recitations on the properties and requirements for
materials used in engineering construction, including wood, iron, steel
and concrete. Methods of manufacture as affecting quality of material,
standard tests employed to secure the proper grade of material, and
standard specifications. 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, M. D. 133. Senior Civil
Engineers and Juniors in Sugar Technology, Sugar-house Engineering
division. First semester, 3 credits.

M. E. 283 Contracts and Specifications
Keller

Lectures on contracts, touching upon points likely to be of value
to engineers, together with such principles of law as should be under-
stood by the engineer who is entrusted with the drawing of contracts,
followed by a detailed study of typical contracts and specifications
for engineering work of various kinds. Text: Simpson & Dillavon,
"Law for Engineers and Architects." 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

Lectures and drafting-room exercises involving 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. Prerequi-
Engineering Laboratory (X. E.)

X. E. 253 Materials Laboratory Keller

Laboratory practice in testing the materials of construction, involving complete tests of specimens of wood, iron, steel, and concrete in their various forms. Special attention is given to the preparation and testing of specimens of concrete, both plain and reinforced, in the form of cubes, columns, beams, and girders. 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. 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 candidates for admission to the University as regular students and all special students desiring to elect English 100 or 102 are given a placement test in English. All who fail to make a satisfactory grade must register in English 50.

50 Elementary Composition Conway and Hallock

An elementary course in composition to be taken by all Freshmen 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. Students taking this course will be charged a fee of $10.00 a semester.

100 Composition Neil, Schwartz, Sinclair, Stroven, Conway, Hallock

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. First and second semesters, 3 credits each.

100B Composition Hallock

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. Second semester, 3 credits.
Courses of Instruction

102 Composition

This course parallels English 100, but is open only 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 will differ from English 100 in that less stress will be laid upon the mechanics of composition and more upon reading and creative 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. First and second semesters, 3 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, Schwartz, Neil

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 all other Sophomores in place of English 120. First and second semesters, 3 credits each.

140 Journalism

Beck

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

Beck

Reading aloud in class of modern poetic and dramatic selections, with special attention to correct pronunciation, proper use of the voice, and appreciative expression of the author's meaning. First and second semesters, 2 credits each.

155 Agricultural Journalism

Bristow Adams

A practical course dealing with the basic practices of agricultural journalism, including the writing of news, editorials, heads, uses of type, circulation plans, advertising, preparation of scientific bulletins, common errors of authors and other topics. Prerequisite: English 100 or the equivalent. Second semester, 1 credit. (Given in 1929-1930.)

160-161 Play Production

Conway

The study, production, and direction of one-act plays. Drill in oral expression. Prerequisite: Consent of instructor. Two periods a week of 2 hours each. First and second semesters, 3 credits each. (Not offered 1930-1931.)
162-6 Modern Drama Conway

A survey of modern drama, European, British, and American, centering attention on the most significant plays of Ibsen, Shaw, Barrie, Galsworthy, and O'Neill, as a reflection and interpretation of life. Prerequisite or parallel: English 130 or equivalent. First and second semesters, 3 credits each. (Not offered 1930-1931.)

201 Business Correspondence and Commercial Journalism. Strover

Designed specially for students in Economics and Business. A study of principles and practices observed in business correspondence; continued practice in the writing of business letters dealing with sales, credit, complaints, adjustments, collections, etc., and of other business forms. A study of the literature of advertising. Practice in writing campaign letters, advertising folders, and promotion articles for newspapers and periodicals. Reading in current magazines, especially "Printers' Ink" and "The Magazine of Business." Open only to Juniors and Seniors. First and second semesters, 2 credits each.

205 Public Speaking Beck

Practice in the preparation and delivery of public speeches of the types most commonly used; group discussions, formal and informal addresses, sales talks, after dinner speeches and orations. Class sessions are conducted according to parliamentary law and extemporaneous speaking is stressed. Prerequisite: English 100. First and second semesters, 3 credits each.

206 Persuasion, Argumentation, and Debate Beck

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

207 The Novel Neil

The development of the novel in England. Particular attention will be given to social and literary tendencies as reflected in representative novels from Richardson to Meredith. Prerequisite: English 130 or equivalent. First and second semesters, 3 credits each. (Not offered 1930-1931.)

208 English Prose and Poetry, 1830-1890 Neil

The first semester will deal with certain representative prose writers with special emphasis upon Carlyle, Arnold, Ruskin, and Newman. During the second semester a study will be made of the more considerable poets of the period with special emphasis upon Tennyson and Browning. Prerequisite: English 130 or equivalent. First and second semesters, 3 credits each.

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; together with the development of the Bible in English translations and their influence on English literature. Prerequisite: English 130 or equivalent. First and second semesters, 3 credits each. (Not offered in 1930-1931.)

214 World Literature    Sinclair
An outline course in world masterpieces in English translation. First semester: the classics of China, Japan, India, Persia, Greece, and Italy; second semester: the major writings of modern European masters. Special attention to national psychology as revealed in national literature. Prerequisite: English 130 or equivalent. First and second semesters, 3 credits each.

220 Modern Poetry    Conway
A consideration of the most significant contemporary British and American writers of verse with special reference to recent trends of thought and belief. Prerequisite: English 130 or equivalent. First and second semesters, 3 credits each. (Not offered 1930-1931.)

250 American Literature Since 1870    Andrews
The study of representative poems, essays, and fiction. Prerequisite: English 130 or equivalent. Second semester, 3 credits.

251 The Short Story    Andrews
The principles of the short story, analysis of representative stories; collateral reading; practice in short story writing; conferences with instructor. Prerequisite: English 250. 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 1930-1931.)

255 The Modern Novel    Schwartz
The novel in England and America since Meredith and James. Prerequisite: English 130 or equivalent. Second semester, 3 credits.

261 History of the English Language    Schwartz
Deals with matters of origin and change in the language which help to explain the problems of present day English grammar and usage. A course especially planned for teachers. First semester, 3 credits.
262 Eighteenth Century Poetry

A study of the chief poetic tendencies of the period, with emphasis on the early Romantic movement. Prerequisite: English 130 or equivalent. First semester, 3 credits. (Not offered 1930-1931.)

263 English Poets of the Age of Romanticism

A study of the representative work of Wordsworth, Coleridge, Byron, Keats, and Shelley as typical of the romantic thought and social ideals of the early 19th century. Prerequisite: English 130 or equivalent. Second semester, 3 credits. (Not offered 1930-1931.)

265 Studies in Nineteenth Century Poetry

Tennyson, Browning, and Arnold will be the chief subjects of this course. Prerequisite, English 130, or an equivalent. 3 credits. (Not offered in 1930-1931.)

300 English Seminar

Designed primarily for graduates, though properly qualified Seniors may be admitted. The intensive study of movements, periods or authors, either British or American. Weekly meetings for reports and discussions. Second semester, 2 credits.

FRENCH

100* Elementary Course

Phonetics, dictation, conversation, reading and easy prose and poetry. Texts: Fraser and Squair's French Grammar; Talbot's "La France Nouvelle"; selected readings from Merimée, Halevy, Loti, and others; Fournon and Broussard's "Pour Parler Français." First and second semesters, 3 credits each.

101* Nineteenth Century French Novel

Reading of selected masterpieces of Hugo, Daudet, Balzac, Sand, and others. Conversation, essays, and lectures. Carnahan's "Short French Review Grammar." Prerequisite: One year of French in college or two years in preparatory school. First and second semesters, 3 credits each.

200* Contemporary French Literature

Critical study of the most modern movement in French prose, with especial attention to war literature. Texts for use in class are imported directly from Paris. Essays, lectures, and discussion on contemporary topics. Prerequisite: Two years of college French or equivalent. First and second semesters, 3 credits each.

201* Phonetics

Courses of Instruction

languages. Prerequisite: Two years of college French. First and second semesters, 2 credits each.

202* Advanced Conversation and Composition Pecker
A practical course in every-day current French. Reading of French newspapers and magazines with discussion of various aspects of contemporary French life. Compositions on assigned topics. Prerequisite: Three years of college French or equivalent. 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. Prerequisite: Three years of college French or equivalent. First semester, 2 credits. (Not offered 1930-1931.)

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. Prerequisite: French 250. Second semester, 2 credits. (Not offered 1930-1931.)

252* Modern French Drama Pecker
This course alternates with French 250. Selected plays of Brieux, Hervieu, Rostand, Maeterlinck, Bernard, Becque, Bernstein, and others. Rapid reading with essays, lectures, and discussions. Individual research and reports. Prerequisite: Same as for French 250. First semester, 2 credits.

253* Advanced French Seminar Pecker
This course alternates with French 251. 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. Prerequisite: French 252. Second semester, 2 credits.

260-261 Modern French Literature Pecker
Individual research in modern French literature. Weekly oral and written reports. First and second semesters, 2 credits each.

GEOGRAPHY

150 Elements of Geography Coulter

151 Economic Geography Coulter
A study of the relationship of the production of the more important raw materials of industry to natural environment and the distribution...
of the products in international trade. Factors which have led to the concentration of manufacturing in certain regions, and world trade in manufactured goods, are also discussed. Second semester, 3 credits.

252 Geography of North America  
Coulter  

253 Geography of the Pacific Basin  
Coulter  
This course is a survey of the major geographic regions of the Pacific Basin from the standpoint of the relationship between the principal economic activities and the natural environmental complex. Special attention is given to Japan and China. Prerequisite: Geography 151. Second semester, 3 credits.

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

GEOLOGY

252* Physical Geology  
Palmer  
The work of the atmosphere, streams, ground water, lakes and oceans, snow and ice, earthquakes and volcanoes. The nature of these agents and the results they accomplish. Text is Miller's Introduction to Physical Geology. Prerequisite: Either Chemistry 101, Chemistry 102, Botany 101, Zoology 150, or Physics 102. Two recitations and one laboratory period a week. 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. The text is Miller's Introduction to Historical Geology. Prerequisite: Geology 252 or 256. Two recitations and one laboratory period a week. Fee $1.00. Second semester, 3 credits.

254 Mineralogy  
Palmer  
A study of the crystal systems, of the physical, chemical and morphological criteria for the determination of minerals, leading up to the sight identification of the more common rock-forming and economic minerals. Text is Ford's "Dana's Manual of Mineralogy." Prerequisites: Chemistry 101 or 102, and 124. One lecture and two laboratory periods a week. Fee $3.00. First 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. Fee $1.00. Second semester, 2 credits.
Courses of Instruction

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. Three recitations a week. First semester, 3 credits. (Alternate years; offered 1930-1931.)

261 Crystallography Palmer

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

300 Geology Seminar Palmer

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

GERMAN

100 Elementary German Hörmann

A course for beginners in the German language. Grammar developed from easy reading material. Exercises in reading and translating German. Writing of original compositions. Singing of German folk songs. Text: Mueller and Wenckebach, "Glückauf" (a First German Reader). Storm, "Immensee." First and second semesters, 3 credits each.

101 Intermediate German Hörmann

Continuation of German grammar, according to method used in first year, with especial stress on sentence construction. Writing of original compositions. Conversation. A vocabulary is built up by discussing pictures. Reading: Examples of German short stories from classic period to modern times. First and second semesters, 3 credits each.

102 Intermediate Scientific German Hörmann

The work of the first semester is similar to German 101, with the exception of reading matter, which is taken from scientific material. In the second semester each student is trained in written translation of scientific material in his chosen field of interest. German scientific journals are used for the purpose. Text: W. Scholz, "German Science Reader." Prerequisite: German 100. First and second semesters, 3 credits each.

200 Advanced German Hörmann

Rapid reading for comprehension. German classics: Lessing, "Minna von Barnhelm" and "Nathan der Weise"; Schiller, "Wallenstein" and "Don Karlos"; Goethe, "Götz von Berlichingen" and "Egmont"; Bürger, "Balladen." Compositions. This course is conducted entirely in German. (Alternates with German 201; offered 1930-1931.) First and second semesters, 3 credits each.
201 Advanced German  
Hörmann

In this course contemporary German literature is read. Composition is similar to that in German 200. The course is conducted entirely in German. First and second semesters, 3 credits each. (Alternates with German 200; not offered 1930-1931.)

HAWAIIAN

100 A First Course in the Hawaiian Language  
Wise

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

101 Second Course in the Hawaiian Language  
Wise

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

200 Advanced Course  
Wise

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  
Wise

Study of Hawaiian meles; ancient traditions and 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

(Introductory courses. Open to all students.)

100* General European History  
Chase

Development of Europe, political and social, from the time of the Teutonic invasions to the present. Library fee, $1.00. First and second semesters, 3 credits each.

110* English History  
Chase

A survey of the political and social history of England from the earliest times to the present. Emphasis on events and institutions especially significant for the later history of English-speaking peoples. Library fee, $1.00. First and second semesters, 2 credits each. (Not offered 1930-1931.)

124 History of Japan  
Harada

A survey of Japanese history and civilization; political, social and intellectual development of the nation. Lectures and readings. First and second semesters, 2 credits each.

125 History of China  
Lee

A general survey of Chinese history. Study of the geographical background, origin of the Chinese people, Chinese feudalism, the development of political and social institutions, the growth and expansion of the Chinese empire, China's relation with her neighbors; factors,
Events, and forces that have hindered and hastened the development of Chinese civilization and the making of a new nation. First and second semesters, 2 credits each.

140* History of the Americas
Bailey

A general survey of the history of North and South America from the discovery to the present time. The planting of European civilization in the western hemisphere; the growth of the colonies of the different nations; colonial systems; the international contest for the continents; the wars of independence in English and Latin America; the growth of the independent American republics; their relations with each other and with the rest of the world. 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, 2 credits each.

147 The Pacific Region in Modern Times
Kuykendall

First contacts of East and West; explorers, traders, and missionaries; international rivalries; recent developments. First and second semesters, 2 credits each.

(Intermediate Courses. Open to all students of junior standing.
Specially qualified sophomores may be admitted by permission of instructor.)

220 Modern History of Japan
Harada

The modern evolution of Japan since 1868; social, economic and political changes and international relations during the contemporary period. Prerequisite: History 124 or permission of instructor. First and second semesters, 2 credits each.

241 History of Oriental Religions
Harada

Lectures on Confucianism, Buddhism, Shinto, Bushido and Christianity in the Far East, and modern religious and ethical movements in India, China and Japan. First and second semesters, 2 credits each.

243* Recent History of the United States
Bailey

A detailed consideration of the development of the United States from 1868 to the present. Emphasis on political readjustment, economic unrest, and problems attendant upon the emergence of the United States as a world power. Prerequisite: History 140 or permission of instructor. First and second semesters, 2 credits each. (Not offered 1930-1931.)

244* Diplomatic History of the United States
Bailey

A survey of the foreign relations of the United States from 1778 to the present. A preliminary consideration of the machinery and methods by which diplomatic procedure is carried on. Emphasis on the origin and development of policies of particular importance at present. Prerequisite: History 140 or permission of instructor. First and second semesters, 3 credits each. (Not offered 1930-1931.)
245* History of the West

Territorial growth of the United States through colonial to modern times; the diplomacy and politics of expansion; the settlement and development of the West; the influence of expansion upon American thought and institutions. Prerequisite: History 140 or permission of instructor. First and second semesters, 2 credits each.

252* Constitutional History of the United States

A study of the formation and evolution of the American constitution. An analysis of the factors that have influenced the character of its development. Required of all pre-legal students. First semester, 3 credits.

253* History of Latin America

The political, social, and economic development of the Latin republics of North and South America. Considerable attention is devoted to those countries in which the United States is most interested. A detailed consideration of such topics as the Monroe Doctrine, Pan-Americanism, etc. Prerequisite: History 140. Second semester, 3 credits.

254* Ancient History

Greek history to the Roman conquest; Roman history of the sixth century A.D. Emphasis on early Mediterranean background; Greek and Roman colonial systems; the effect of imperialism on the institutions of Rome; and the cultural and institutional contributions of Greece and Rome to our modern civilization. First semester, 3 credits.

256* Mediaeval Europe (400 to 1500)

A political and social history of Western Europe from the fifth to the sixteenth centuries. Prerequisite: History 100 or permission of instructor. First semester, 3 credits.

257* Modern Europe (1500 to 1815)

A political and social history of Western Europe from the sixteenth to the nineteenth centuries. Prerequisite: History 100 or permission of instructor. Second semester, 3 credits.

258* Europe, 1815-1878

The political and social development of Europe from the Congress of Vienna to the Congress of Berlin. The growth of democracy, nationalism and socialism. Prerequisite: History 100 or permission of instructor. First semester, 3 credits. (Not offered 1930-1931.)

259* Europe Since 1870

Imperialism and colonial rivalries; pre-war diplomacy; post-war settlements. Prerequisite: History 100 or permission of instructor. Second semester, 3 credits.

265 British Constitutional History

An explanation of the development, the underlying principles, and the operation of the British constitution. It is also the aim of the
Courses of Instruction

course to give a background for American constitutional history. Prerequisite: History 110 except for pre-legal students. Required of all pre-legal students. Second semester, 3 credits. (Not offered 1930-1931.)

273* The United States in the Pacific Kuykendall
A detailed consideration of the relations of the United States with native peoples and foreign powers in the course of expansion in the Pacific. Second semester, 2 credits. (Not offered 1930-1931.)

275* Great Britain, France, and Germany in the Pacific Kuykendall
Colonial expansion of the European powers in the Pacific area. Second semester, 2 credits. (Not offered 1930-1931.)

291 Chinese Civilization Lee
A general survey of the origin and development of the institutions of China. Illustrated lectures, assigned readings, and discussions. Fee, $1.25. Second semester, 2 credits. (Not offered 1930-1931. See Chinese 251.)

(Seminar Courses)

310 Introductory Seminar in American History Bailey
Introduction to historical method, including evaluation of sources, bibliography, note taking, etc. Training in the organization and presentation of historical dissertations. Open only by permission of the instructor to qualified seniors, special students, and graduate students. Required of all candidates for the master's degree in history. The work of the second semester is optional. First and second semesters, 2 credits each.

320 Seminar in European History Chase
Application of the historical method to an assigned problem in European history. Open only by permission of the instructor to qualified seniors, special students and graduate students. Work of the second semester is optional. First and second semesters, 2 credits each.

327 Seminar in Hawaiian History Kuykendall
A seminar course open only by permission of the instructor to graduate students and special students. Each member of the class will be assigned a subject for investigation throughout the year and will be required to present a paper embodying the results of the investigation. The course must be taken for both semesters. Prerequisite: History 273. First and second semesters, 2 credits each.

HOME ECONOMICS

General Courses

H.E. 250 Household Management Bazore
A study of the practical arrangement, organization, equipment, and care of the house in relation to costs and their contribution to better family life. Special consideration to individual and family budgets.
Open to Juniors and Seniors only. Two lectures, one 2½-hour laboratory period. First semester, 3 credits.

**H.E. 252 Child Development**
A study of the mental development of children and the responsibility and function of parents and others in guiding this development. Planned especially for vocational home economics students but open to all Juniors and Seniors. First semester, 2 credits.

**H.E. 253 Child Care in Health and Sickness**
A study of the causes of death and physical disability with reference to their prevention. A consideration of health objectives and the scientific basis for personal hygiene. Planned especially for vocational Home Economics students but open to all Juniors and Seniors. Second semester, 2 credits.

**Household Art**

**H.A. 110 Garment Making**
A fundamental course in hand and machine sewing; a study of the use of commercial patterns, scientific fitting, cutting, making and buying various types of garments. Lectures, discussions, and laboratory work required of students in Home Economics. Open to regular and special students. Fee $3.50 per semester. First and second semesters, 2 credits each.

**H.A. 112 Textiles**
A study of the development of the textile industries from primitive types to the present, considering their historic and economic importance. Method of manufacture of the various fibers, identification and grading of fabrics, physical testing for quality and adulteration. First and second semesters, 1 credit each.

**H.A. 114 Dressmaking and Designing**
The principles underlying the cutting and fitting of costumes of various sorts through the drafting and modification of foundation patterns. The application of the principles of costume design and textile selection in the construction of two costumes. Original work is required. Lectures, discussion and laboratory work. Prerequisite: H.A. 110 and 112; prerequisite or parallel: Art 150, 153. Fee $3.50 per semester. First and second semesters, 2 credits each.

**H.A. 150-151 Costume Appreciation**
Discussion and demonstration to develop appreciation of costume as a means of art expression. Costume is considered from the standpoint of abstract design, becomingness, suitability and expressiveness. Open to all students. Fee $1.50. First and second semesters, 1 credit each.

**H.A. 252 Millinery**
The construction and trimming of hats, beginning with the use of foundation materials; making of wire and willow frames; copying
Courses of Instruction

from models and pictures; original designs. Prerequisite: H.A. 114. Fee $5.00 per semester. First semester, 3 credits.

H.A. 253 **Advanced Dressmaking**

This course includes tailoring and other advanced problems. The student is to express her ability in choosing materials from her previous training in textiles and her efficiency in design and dressmaking from her work in the previous design and dressmaking courses. Prerequisite: H.A. 114. Fee $3.50. Second semester, 3 credits.

**Household Science**

**H.S. 102 Food Economics**

The selection, preparation and experimental 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. 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**

A study of the classes of foodstuffs and fundamental processes of food preparation with emphasis on meal planning and serving. The production, manufacture and composition of the common foods are considered in lecture. Required of all students majoring in Home Economics who do not offer entrance credits in high school cookery approved by the Household Science Department. Open to all students, no prerequisites. One lecture, two 2½-hour laboratory periods. Fee $5.00. First semester, 3 credits.

**H.S. 200 Nutrition**

A study of the nutritive requirement 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 105. Prerequisite or parallel: Chemistry 260. Two lectures and one 2½-hour laboratory period. Fee $5.00 per semester. First and second semesters, 3 credits each.

**H.S. 249-349 Research**

Problems according to preparation. Investigation of nutritional problems; animal and human feeding experiments. For seniors and graduates. Fee $5.00 per semester. Hours and credits to be arranged.

**H.S. 251 Food Investigation**

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. Fee $5.00. Second semester, 3 credits.

**H.S. 252-253 Field Practice in Household Science**

During the senior or graduate year students who have completed
H. S. 200, Advanced Nutrition, 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 Sciences. 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 credit will be arranged for each student.

2. The Queen's Hospital of Honolulu will also cooperate with the Household Science Department of the University, so that seniors or graduates may obtain field practice as dietitians in the hospital. Hours and credit will be arranged for each individual student.

3. The Castle Kindergarten of Honolulu offers field practice in the Nursery School. Child Care 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. 271 Elementary Nutrition

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. Prerequisite: H. S. 150 or its equivalent approved by instructor. Two lectures, one 2½-hour laboratory period. Fee $5.00. Second semester, 3 credits.

H.S. 350-351* Seminar in Nutrition

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 45, 46 for outline of courses in Home Economics. After the second year the student may choose a household art major or household science major. Education courses to satisfy the requirements for teaching may be taken as electives in the junior and senior years if desired.

MATHEMATICS

104* Engineering Mathematics

(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: Elementary Algebra, Plane and Solid Geometry, Plane Trigonometry. First and second semesters, 5 credits each.
106* Calculus  
Donaghho  
Differential and integral calculus. Required of Sophomores in Engineering. Prerequisite: Course 104. First and second semesters, 3 credits each.

149 Algebra and Plane Trigonometry  
Yap  
A course in algebra including the quadratic equations, arithmetic and geometric series, binomial theorem, and logarithms. Plane trigonometry. Analytic geometry. Prerequisite: One year of high school algebra, and one year of plane geometry. Five hours a week. First and second semesters, 3 credits each.

150* Plane Trigonometry  
Webster, Yap  
Prerequisites: Algebra and Plane Geometry. First semester, 3 credits.

151* Algebra and Analytic Geometry  
Webster, Yap  
Prerequisites: Algebra, Plane Geometry and Plane Trigonometry. Second semester, 3 credits.

152* Analysis  
Donaghho  
A brief course in analytic geometry, differentiation, integration, and applications, intended to meet the needs of students of natural science. Prerequisites: Algebra, Plane Geometry, Plane Trigonometry. First semester, 3 credits.

153* Analysis  
Donaghho  
Continuation of Course 152. Satisfactory completion of this course will be accepted for entrance into Math. 106. Second semester, 3 credits.

250* Astronomy  
Donaghho  
A brief course in practical astronomy, adapted to the needs of engineering students. Required of students in Engineering. Prerequisite: Course 104. First semester, 3 credits. Alternates with M. E. 282. (Not offered 1930-1931.)

252* Differential Equations  
Donaghho  
Prerequisite: Course 106. First semester, not more than 3 credits.

253* Differential Equations  
Donaghho  
Continuation of Course 252. Second semester, not more than 3 credits.

254 Vector Analysis  
Donaghho  
Alternates with Mathematics 250. Prerequisite: Mathematics 106. First semester, not more than 3 credits. Offered 1930-1931.

255 Vector Analysis  
Donaghho  
Continuation of Mathematics 254. Second semester, not more than 3 credits. Offered 1930-1931.
270-271 Fundamental Concepts of Mathematics

Teachers who wish to know more of the foundations of elementary mathematics will find this course useful. 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 constructions with the ruler and compass, leading to the non-Euclidean. Open also to Juniors and Seniors. Prerequisites: Algebra, Plane and Solid Geometry, Trigonometry. First and second semesters, 3 credits each. (Not offered 1930-1931.)

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 and Solid Geometry, Trigonometry. First and second semesters, 3 credits each.

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, and determinants, are some of the topics considered. An elective course for those majoring in mathematics. Satisfactory completion of this course will be accepted for admission to calculus. Alternates with Mathematics 270-271. 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 male students who are citizens of the United States and physically fit are required to enroll during their first two years in the Reserve Officers' Training Corps, and to devote three periods a week of not less than one hour each to military science and training.

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

The Course of Instruction for the Infantry Unit Senior Division, Reserve Officers' Training Corps

Basis for calculation of time available for instruction

<table>
<thead>
<tr>
<th></th>
<th>Basic</th>
<th>Advanced</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Course</td>
<td>Course</td>
</tr>
<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>
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<tr>
<td>4. Credits for each semester</td>
<td>$1\frac{1}{2}$</td>
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SUBJECTS AND SCOPE

The First Year Basic Course

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Hours Allotted</th>
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<tbody>
<tr>
<td>Drill and command</td>
<td>65</td>
</tr>
<tr>
<td>Military courtesy and discipline</td>
<td>3</td>
</tr>
<tr>
<td>Military hygiene and first aid</td>
<td>5</td>
</tr>
<tr>
<td>Rifle marksmanship</td>
<td>15</td>
</tr>
<tr>
<td>Scouting and patrolling</td>
<td>6</td>
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<tr>
<td>National Defense Act</td>
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The Second Year Basic Course

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Hours Allotted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drill and command</td>
<td>50</td>
</tr>
<tr>
<td>Musketry</td>
<td>10</td>
</tr>
<tr>
<td>Automatic rifle</td>
<td>12</td>
</tr>
<tr>
<td>Scouting and patrolling</td>
<td>12</td>
</tr>
<tr>
<td>Combat principles</td>
<td>12</td>
</tr>
</tbody>
</table>

The First Year Advanced Course

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Hours Allotted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Map reading and sketching</td>
<td>24</td>
</tr>
<tr>
<td>Drill and command</td>
<td>50</td>
</tr>
<tr>
<td>Machine guns</td>
<td>42</td>
</tr>
<tr>
<td>37 MM gun and 3-inch mortar</td>
<td>20</td>
</tr>
<tr>
<td>Combat principles</td>
<td>24</td>
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</table>

The Second Year Advanced Course

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Hours Allotted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Military law and O. R. C. regulations</td>
<td>15</td>
</tr>
<tr>
<td>Military history and policy</td>
<td>20</td>
</tr>
<tr>
<td>Administration</td>
<td>8</td>
</tr>
<tr>
<td>Field engineering</td>
<td>10</td>
</tr>
<tr>
<td>Drill and command</td>
<td>53</td>
</tr>
<tr>
<td>Combat principles</td>
<td>54</td>
</tr>
</tbody>
</table>

Preparation for Promotion

(Military Science 251)

A course covering subject matter of examination for promotion in the Reserve Corps. Elective course for Reserve Officers and Seniors. Two hours classroom or laboratory periods per week. First or second semester, 2 credits.
Courses in music taken in the Punahou School of Music may be credited towards graduation from the University of Hawaii, provided that the courses taken are of a nature to justify the granting of credits. The courses that may be credited and the number of credits each will carry is determined by the University.

Students desiring credit for work done in the Punahou School of Music should register for such work on their University registration card, and at the same time make a written request for credit, stating fully the nature of the course and the amount of time the course will demand.

**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: Two (2) for those not members of the R. O. T. C.; one (1) for members of the R. O. T. C.

**ORIENTAL STUDIES**

**Chinese Language and Literature**

100 *First Year Chinese*  
Study of foundation characters. Reading and construction of characters and sentences; dictation, simple conversation and translation. Text to be compiled by the instructor. First and second semesters, 3 credits each.

100b *Beginners' Course for Occidental Students*  
Study of foundation characters. Pronunciation and construction of characters; simple conversation and translation. Text to be compiled by the instructor. First and second semesters, 3 credits each.  
(Note: Since the methods and technique of teaching the Chinese language to Occidental students are necessarily different from those in presenting the subject to Oriental students, a separate division of Beginners' Chinese is offered for Occidental students.)

101 *Second Year Chinese*  
Continues the study of foundation characters and idioms. Reading, construction of characters and sentences, dictation, conversation and translation. Text to be compiled by the instructor. First and second semesters, 3 credits each.

200 *Third Year Chinese*  
Reading of short stories, poems, and newspaper articles; letter-writing, composition, and translation. Text to be selected. First and second semesters, 3 credits each.

250 *Chinese Literature*  
Study of selected works of some noted authors of various periods in the history of Chinese Literature. This course is especially prepared for those who have finished the Third Year Chinese and other
Courses of Instruction

qualified students who desire to continue their Chinese studies. Reading, translation, and essay-writing. First semester, 2 credits.

251 Chinese Literature in English  
Lee  
Study of some of the classical and modern masterpieces in English translation. A rapid review of the development of Chinese literature. This course is open to all students who are interested in the study of Chinese thought and ideals, and the way Chinese life has been shaped by them. Second semester, 2 credits.

Japanese Language and Literature

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

100b Colloquial Japanese, First Year (For Occidental Students)  
Kunitomo  
Pronunciation and conversation, using romanized spelling. The use of simple words and idiomatic phrases in everyday conversation. Reading and translation of romanized readers and magazines. First and second semesters, 3 credits each.

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

101b Colloquial Japanese, Second Year (For Occidental Students)  
Kunitomo  
Continuation of the First Year. Reading, translation and writing in Katakana, Hiragana and simple Chinese characters. Japanese Language Readers and Magazines. First and second semesters, 3 credits each.

200 Advanced Japanese  
Kunitomo  

250 Japanese Literature  
Harada  
An outline of the Japanese literature from the ancient to the contemporary period, in English language. Reading Aston's History of Japanese literature, with supplementary lectures and selections from English translations of Japanese classics. First semester, 2 credits.

251 Seminar in Japanese Classics  
Harada, Kunitomo  
Reading of the Japanese Classics, historical and literary; selections from the literature of 8th to 15th century in original. Open only to qualified students. Second semester, 2 credits.
International Relations

163 Some Problems of Modern China Ta Chen
A series of lectures on social, economic, political, and cultural aspects of modern China, with special reference to China's relations with foreign nations. Open to all students. Second semester, 3 credits. (Given in 1929-1930.)

263 Social Change in China Ta Chen
A study of significant changes in industry, labor, family and education since China's contact with the West. Lectures, discussions, and reports. Second semester, 3 credits. (Given in 1929-1930.)

Other Related Subjects

Art
252-253 An Introduction to the Study of Chinese and Japanese Art (p. 60).

English
214 World Literature (p. 83.).

History
124 History of Japan (p. 88.).
125 History of China (p. 88.).
220 Modern History of Japan (p. 89.).
241 History of Oriental Religions (p. 89.).
291 Chinese Civilization (p. 91.).

Political Science
200 Political Problems of the Pacific (p. 103.).
262 Governments of the Far East (p. 104.).
263 International Relations of the Far East (p. 104.).

Sociology
291 Cultural Contacts in Hawaii (p. 106.).
350-351 Some Aspects of Race Contacts in Hawaii (p. 106.).

PHYSICAL EDUCATION

All men under 25 years of age, who are registered for ten or more semester hours of work, are required to take a minimum of one-half credit hour per week of physical education during the freshman and sophomore years, unless excused by the standing committee on physical education. For women under 25 years of age, who are registered for eight or more credit hours, this minimum requirement is one credit hour per week throughout the four years. Class attendance is required until exemption has been granted by the committee.

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.

First and second year women students are required to take two periods per week of supervised exercise and one period of lecture;
Courses of Instruction

third and fourth year students are required to take one period of physical education 200a, 200b, or 204.

Courses of Study

100 Freshman Course  
Required of all first-year men. First and second semesters, ½ credit each.

101 Freshman Course  
Required of all first-year women, unless authorized substitution is made. First and second semesters, 1 credit each.

102 Sophomore Course  
Required of all second-year men. First and second semesters, ½ credit each.

103 Sophomore Course  
Required of all second-year women, unless authorized substitution is made. First and second semesters, 1 credit each.

200a Athletics for Women  
This course will include volley ball, basket-ball, tennis, swimming and baseball. One hour per week. First and second semesters, 1 credit each.

200b Natural Dancing  
This course deals with the relationship of music and art to body movements.

Section A. Beginners' Class  
This course includes the fundamentals and technique of the dance. Open to sophomore women. Two periods a week. First and second semesters, 1 credit each.

Section 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.

204 Individual Gymnastics  
This course will include correctives for underweight, overweight and postural cases. Two periods a week. Open only to women. First and second semesters, 1 credit each.

PHYSICS

102 General Physics  
Mechanics, heat, light, electricity and magnetism, and modern atomic physics. Prerequisite: Mathematics 151. The student's work is about equally divided between laboratory effort and text study. This is the course regularly taken by pre-medical students. Fee $2.00 per semester. First and second semesters, 4 credits each.
150 Mechanics and Properties of Matter

Parallel course Mathematics 106. Two lecture-recitation periods and one laboratory period weekly. This is a required course for Sophomore students in Engineering. Fee $1.00. First semester, 3 credits.

151 Heat

Parallel course Mathematics 106. Two lecture-recitation periods and one laboratory period weekly. This is a required course for Sophomore students in Engineering. Fee $1.00. Second semester, 3 credits.

200 Advanced Electricity

Prerequisites: Physics 150 and 250. One lecture period and two laboratory periods during the first semester, and two lecture periods and one laboratory period during the second semester. This is a required course for Senior students in Engineering. The laboratory work comprises measurements of current, voltage, resistance, inductance, capacity, and magnetic properties, and the testing of commercial electrical machinery. Fee $2.00 first semester, $1.00 second semester. 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. Fee $1.00. First semester, 3 credits.

251 Light and Sound

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. Fee $1.00. Second semester, 3 credits.

254 Radio Instruments and Measurements

Prerequisite: Physics 102 or Physics 250. The theory and operation of the inductances, condensers, vacuum tubes and other instruments which enter into the make-up of radio circuits. One lecture and one laboratory period weekly. Fee $1.00. First semester, 2 credits.

255 Light

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

257* X-Ray

The historical development of knowledge of x-rays, theoretical considerations, bearing of x-ray research upon problems of modern physics, modern x-ray technique. Two lecture-discussion meetings a week. Second semester, 2 credits.
Courses of Instruction

351* Electronic Physics  
Kirkpatrick
Prerequisites: A knowledge of the content and methods of general physics and a working knowledge of the calculus. Two discussion periods weekly. This course is an introduction to modern subatomic physics. One semester, 2 credits.

361 Physical Research  
Kirkpatrick
Students possessing requisite qualifications will be permitted to pursue original investigations, under the supervision of the department. Hours and credits by arrangement.

POLITICAL SCIENCE

150 American Institutions  
George, Bachman
A rapid survey of territorial and national political institutions and problems. Special emphasis on the duties and privileges of citizenship. Library fee, $1.00. Required of all Freshmen in Arts and Science. First semester, 3 credits.

151 Governments of Europe  
George, Bachman
A survey of the governmental organization and politics of the states of Europe. Library fee $1.00. Required of all Freshmen in Arts and Science. Second semester, 3 credits.

160 Principles of Politics  
George
An analysis of the origin, forms, functions and nature of the state. The relation of the state to the individual and to other social institutions. First semester, 3 credits.

161 Problems of Democracy  
George
A study of the problems of the modern democratic state; electoral problems; the direct primary; political propaganda, etc. Second semester, 3 credits. (Not offered 1930-1931)

200 Political Problems of the Pacific  
Bachman
A survey of the most important problems, both domestic and international of the nations within the Pacific area. First and second semesters, 3 credits each.

240 Current Politics  
Bachman
A study of current political developments. First and second semesters, 2 credits each.

254* Municipal Government  
Lum
A study of the organization and politics of the American city. First semester, 2 credits. (Not offered 1930-1931.)

255 Municipal Administration  
Lum
A study of the principal functions and activities of municipalities. Consideration will be given to the City and County of Honolulu. Prerequisite: Political Science 254. Second semester, 2 credits. (Not offered 1930-1931.)
256* American Political Parties  
Bailey  
A study in the origins, development, organization and methods of American political parties. First semester, 3 credits.

260* International Relations and Organization  
Bachman  
The conflicts of nationality, imperialism, international trade, and foreign policy; the development of international organization. First semester, 3 credits. (Not offered 1930-1931.)

261* International Law  
Bachman  
A survey of the rules governing the intercourse of states in peace and war. Second semester, 3 credits.

262* Governments of the Far East  
Lum  
A survey of the governments of China, Japan, Korea and India. Lectures, discussions, assigned readings, and special reports. First semester, 3 credits.

263* International Relations of the Far East  
Lum  
A study of the diplomatic relations of the Far Eastern countries. Lectures, discussions, assigned readings, and special reports. Second semester, 3 credits.

271* Government of the Territories and Dependencies  
Bachman  
A survey of the governments of Hawaii, Alaska, Porto Rico, the Philippines, and the lesser insular possessions. Emphasis on their relation to the national government. Second semester, 3 credits. (Not offered 1930-1931.)

330 Seminar in Political Science  
George, Bachman  
Open only by permission of the instructor to graduate students. Required of all candidates for the master's degree in political science. First and second semesters, 2 credits each.

PSYCHOLOGY

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

250* Educational Psychology  
Kelly  
This course deals with psychological principles underlying the educative processes, and includes such topics as native endowment, transfer of training, individual differences, sex differences, habit formation, the role of instincts in education, etc. Prerequisite: Psychology 150 or its equivalent. First semester, 3 credits.

252* Racial Psychology  
Porteus  
This course will deal primarily with comparisons of the educational, social, mental, and industrial status of the various racial groups
in Hawaii. The subject matter of these lectures will be taken from investigations already completed or in progress which relate to the reality and nature of racial differences as influenced by heredity and environment.

Note: As the material will change from year to year students may, with the approval of the instructor, re-enroll in this course for credit. First semester, 2 credits.

300 Research in Psychology The Staff

An opportunity is offered for graduate students, and others properly qualified, to carry on special investigations. Either semester, credit to be arranged. Roughly one point of credit is the equivalent of 54 hours of satisfactory work.

The Psychological Clinic provides facilities for properly qualified students to obtain practical training in methods of mental testing and psychological research. This training will be particularly applicable to students wishing to qualify themselves for work in the fields of psychology, sociology and special education. Ordinarily credit will be given for this work under Psychology 300.

310 Directed Reading in Psychology Livesay

Open only to those qualified to do independent work and show results. Either semester, credit to be arranged. Roughly one point of credit is the equivalent of 54 hours of satisfactory work. Registration only with consent of instructor.

351 Advanced Educational Psychology Kelly

The application of experimental evidence in the field of psychology to the major educational problems. Attention will be given to the bearings of recent psychological theories upon education. Second semester, 2 credits.

361 Mental Deficiency and Abnormality Livesay

A consideration of the causes and principal types of deficiency and abnormality with suggestions for appropriate educational treatment. This course is designed to aid teachers and administrators in recognizing subnormal and neurotic children, and in making the proper educational adjustments. Second semester, 3 credits.

SOCILOGY

150* Introduction to the Study of Sociology Adams

An orientation course. Physical conditions, population, human nature, social contacts and social processes, social evolution and social problems. Not open to freshmen. First semester, 3 credits.

151 Community Organization Adams

A background for the study of community problems. The factors which determine the location and growth of communities. Types of communities. The selection and movement of population elements. Dominance and subordination. The community pattern and social organization. Lectures, discussions and field study. Prerequisite: Sociology 150. Second semester, 3 credits.
260-261 Discussion as Social Process

Some principles and methods of social relationships. The first semester will deal primarily with the person-to-person phase of the problem such as relations between parent and child, men and women, the individual and his racial group. The second semester deals with the social group and gives attention to the development of technique in group discussion leadership. Readings, discussions, field work and reports. The leadership of a group is required during the second semester. Prerequisite: Sociology 150. First and second semesters, 3 credits each.

264 Social Institutions and Social Control

An examination of the nature of social institutions, their origins, growth and decline. Social control as exercised by institutions. Primary and secondary relations, formal and informal control. Institutions and personality traits. Personal and social disorganization. Lectures, special reports and class discussion. Prerequisite: A year of Sociology, one semester of which must be Sociology 150. First semester, 3 credits.

267 The Family

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

291* Cultural Contacts in Hawaii


294-295 A General View of Social Work

The principles underlying social work as revealed by social work practice. Lectures. The analysis of reports of social agencies. Readings. Class discussions. Observation. Prerequisite: A year's work in Sociology. This prerequisite may be waived in the case of students of sufficient maturity and experience. First and second semesters, 3 credits each.

350-351 Some Aspects of Race Contacts in Hawaii

A seminar course for students engaged in research. Lectures treating of concepts useful in research and presenting the results of research in Hawaii. Each member of the class presents a research project, secures the data relative to his problem, organizes such data and presents the results to the class for criticism and discussion. Admission to not more than eight seniors and graduates by special permis-
Courses of Instruction

The purpose of the course is to develop a technique in investigation, diagnosis and treatment of social work cases. Case studies will be made. Relevant laws will be examined. Readings. Open only to graduate students, to seniors who have had one year's work in sociology and who are doing work under the direction of some social agency, and to social workers. First and second semesters, 3 credits each.

SPANISH

100* Elementary Course

McGee

Conversation and dictation. Both Castilian and Latin-American pronunciation taught. Texts: Coester's Spanish Grammar; Padre Isla's "Gil Blas de Santillana"; Dorado's "España Pintoresca"; Alarcón's "El Capitán Veneno"; Gutiérrez' "El Trovador"; Crawford's Spanish Composition. First and second semesters, 3 credits each.

101* Contemporary Spanish Literature

McGee

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

250* Spanish Classics

Pecker


251* Advanced Spanish Seminar

Pecker

Rapid reading of modern Spanish novels, plays and current periodicals. Lectures and discussions. Individual research and reports on assigned topics. Seneca's "Spanish Conversation and Composition." Prerequisite: Spanish 250. Second semester, 2 credits.

252* Modern Spanish Novel

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, 1930-1931.)

253* Modern Spanish Drama

Pecker

Rapid reading of modern Spanish plays, with continued work in composition, diction and conversation. Cool's "Spanish Composition." This course alternates with Spanish 251. Prerequisite: Spanish 252. Second semester, 2 credits. (Not offered, 1930-1931.)
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  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, and the fitting out of a sugar laboratory, 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 and 124. Required of Juniors in Sugar Technology. One lecture and two laboratory periods a week. Fee $5.00 per semester; breakage deposit, $3.00 per semester. First and second semesters, 3 credits each.

250 Sugar-House Calculations  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  McAllep
A series of lectures and recitations on the manufacture of sugar, taking up in detail a discussion of the various types of machinery and apparatus employed in the best modern factories and the principles involved in their use, embodying such topics as multiple milling, the effect of various types of roller grooving, pressure and maceration on extraction, clarification of juices, multiple effect evaporation, the economical use of steam, sugar boiling, crystallization in motion, and the curing, drying, and preparation of sugars for the market. Though this is primarily a course for cane sugar men, a brief description of the methods employed in beet sugar manufacture and refinery practice is also given, together with a discussion of the various processes for making white sugar direct from the cane. Required of Seniors in Sugar Technology. Prerequisites: S. T. 201 and 253. Three hours a week classroom. First semester, 3 credits. (Not offered 1930-1931.)

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 6 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 semester in the University of Hawaii is necessary.

257 Factory Practice  Dillingham

Seniors in the Sugar-house Engineering Division spend the second semester of 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 semester 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 adviser.

SURVEY COURSES

100 The World We Live In  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 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, (b) the Language, Literature and Art, and (c) the Education groups of the College of Arts and Sciences. Two lectures and one discussion session per 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. Two lectures each week. Second semester, 2 credits.
The courses in zoology are intended to meet the demands both of elementary and advanced students, and are arranged to take advantage of the wealth of illustrative and research material available in the Island fauna throughout the year.

The establishment of a biological laboratory for research at Waikiki, adjacent to the aquarium, offers an excellent opportunity for the investigation of marine biological problems. An extensive tropical fauna in the waters about the Hawaiian Islands makes possible an unlimited field for research in zoology. Coral reefs are easily accessible, provision will be made for plankton work, and dredging may be done in moderate depths outside the reefs.

In addition to the general laboratory the building provides private research rooms, aquaria tables with running salt and fresh water, gas, electricity, a photographic room, and other conveniences. Advanced students and special investigators will be given every possible accommodation for the pursuance of research.

100 Marine Ecology

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

102 Mammalian Anatomy

A laboratory course primarily for pre-medical students involving the careful dissection of a typical mammal. Prerequisites: Zoology 150 and 151. Two laboratory periods a week. Fee $5.00 per semester. First and second semesters, 2 credits each.

150 General Zoology

An introductory course covering in a general way the field of animal life. Biological principles are presented and a study of the structure, development, relationship, distribution, and economic importance of animals is made. Required of pre-medical students. Two lectures and one laboratory period a week. Fee $2.00. First semester, 3 credits.

151 Comparative Anatomy of Vertebrates

A continuation of Course 150, including a comparative study of the systems of organs of typical vertebrates. Structural relationships of the various groups are emphasized and the progressive development from the lower to higher forms pointed out. Prerequisite: Zoology 150. Required of pre-medical students. Two lectures and one laboratory period a week. Fee $2.00. Second semester, 3 credits.

152 Histological Technique

A laboratory course involving methods of fixing, staining and mounting animal tissues. Studies will be made of the tissues pre-
pared. Prerequisites: Zoology 150 and 151. Two laboratory periods a week. Fee $5.00. First semester, 2 credits.

153 Vertebrate Embryology
Radir
A laboratory and lecture course in which the principles of Embryology are illustrated by a detailed study of the development of the chick. Text: Patten's "Embryology of the Chick." Prerequisites: Zoology 150 and 151. Fee $5.00. Second semester, 3 credits.

251 Cellular Biology
Radir
A seminar course for the study of the cell and its inclusions as a protoplastic unit. Special reference will be made to the development of the germ cell and the recent methods of experimentation. Prerequisites: Zoology 150 and 151. Open to Junior and Senior students. Hours to be arranged. Second semester, 1 credit.

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. Open to Juniors and Seniors. Text: Chandler's Animal Parasites and Human Disease. Two hours recitation and one laboratory period. Fee $2.00. Second semester, 3 credits.

260 General Nematology
Godfrey
This course will deal with the structure and classification of the free living and plant parasitic nematodes and the special technique required for their study. Animal and human parasites will not be considered except in a general way. Registration only on consent of the instructor. Hours to be arranged. First semester, 2 credits.

261 Economic Nematology
Godfrey
Students will be guided in literature research on nematodes in relation to agriculture with special emphasis on relationship to environment and on control measures. Registration only on consent of the instructor. Hours to be arranged. Second semester, 2 credits.

270 General Entomology
Riley
A study of the structure, habits and classification of insects. Two hours classroom, one period laboratory. Fee $1.00. First semester, 3 credits.

271 Economic Entomology
Riley
Lectures and reports on the more important insect pests of agriculture, livestock and man, and their control, with special reference to Hawaii. Laboratory work includes the recognition and collection of specimens of stages in the life history of economically important insects. Trips are made to various experiment stations and fields. Prerequisite: Entomology 270. Two hours classroom and one period laboratory. Fee $1.00. Second semester, 3 credits.
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  Edmondson and Radir

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. Fee not less than $5.00 per semester.
DEGREES CONFERRED
JUNE, 1929

MASTER OF SCIENCE

In Agriculture
Richard Kam Yee Lum, B.S., University of Hawaii, 1924
Thesis:—Head Lettuce Breeding.

In Physics
Iwao Miyake, B.S., University of Hawaii, 1926
Thesis:—The Polarization of L Radiations of Tungsten.

MASTER OF ARTS

In Education
Ida Josephine Caro, B.S., Teachers College, Columbia, 1927
Thesis:—A Study of the Reliability of the Stanford Achievement Test in Grades Six, Seven, and Eight in Hawaii.

Mary Elizabeth Morris, A.B., Cornell University, 1918
Thesis:—Development of Secondary Education in Hawaii.

Gladys Martine Traut, A.B., University of Michigan, 1927
Thesis:—Reliability of the Stanford Achievement Test in Grades Three, Four, and Five in Hawaii.

Wilbur Garrity Wilson, B.S., Indiana State Normal School, 1924

In Education and Psychology
Cynthia Buck Geiser, A.B., Western State College of Colorado, 1926.

In Political Science
Jessie Sebree Peet, B.A., University of Hawaii, 1927
Thesis:—The Budget System and Its Use in Hawaii.

BACHELOR OF SCIENCE

In Agriculture
George Wai Hing Goo
Kiyoshi Ito
Martin Nahekekukui Lum
Mitsugu Maneki (Honors)

In Civil Engineering
Orme E. Cheatham
Alfred Oxley Giles (Honors)
Ah Chew Lum
Paul Masayoshi Ozaki
Percy Edward Smith
Edward Koichiro Suzuki
Joseph Alexander Swezey
Masami Yamauchi

In General Science
Kenneth Koon Chan Wong Aloiau
George Mamoru Eguchi
Wanshi Feng
James Wilson Glover
George Tokusuke Hirashima
*Kiyoshi Inouye
Herbert Akamu Kai
Tomosuke Kawahara
Hisao Kido
†Doris Oi Chee Loo
*Thomas Hidao Maida
Seiichi Miyasaki
†Donald A. R. Morrison
Theodore Tadashi Oto
Fred Hoolai Paoa
Jiro Suzuki
James Sin Fook Wong
†Timothy Lih-Tuh Woo
Shoyei Yamauchi
Yang Shew Hung
Seichi Yokoyama

In Home Economics
Lila Vogel Donaghho (Honors)
Chiyoko Sadayasu
Leta Thelma Taylor (Honors)

In Sugar Technology, Agriculture
Henry August Bartels
Martin James Black
Robert James Fiddes
Samuel Hiematsu Kawahara (Honors)
Rokuro Urata

In Sugar Technology, Chemistry
Courtland Earl Ashton
Henry Louis Weber

BACHELOR OF ARTS
Dorothy Carmel Anderson
Alice Kahalekaoa Caceres
Kan Mung Chun (Honors)
Elizabeth LaVerne Clark
Thaddeus Roger Boughner Coykendall
Marie Helen Eldredge
Ethel May Franson (Honors)
George Michio Fuji

† Degree granted September, 1929.
* Degree granted October, 1929.
Degrees Conferred

Helen Elizabeth Hasty
Clara Grenville Hatch
Kameju Hayakawa
Kui Seu Hew
Tai Hee Hong
Helmuth Winfried Hörmann
Minoru Inaba
Gertrude Sumi Kadota (Honors)
Alfred Joseph Kaumeheiwa
Dorothy Hope Kemp
Win Kimura
May Thurston Kluegel
Rikio Koga
Edward Josei Kushi
Margaret Mildred Lam (Honors)
Kong Chu Lau
Kam Tai Lee
Mary Shinn Lee
Joseph Lutak Li
Ying-Wen Lum
Melinda Machado
Yasumi Mashimo
Doris Eleanor McKenzie
Louise Duvauchelle Meurlott
Shizu Midorikawa (Honors)
Fred Murphy
Yoshino Nagai
Koto Nakamoto
Junto Nakamura
Tamayo Nishimoto
Earl Kazuo Nishimura
Alice O'Connor
Eliza Lorona O'Connor
Shiku Ito Ogura
Grace Ingalls Remick
Uichi Sagami
Yoshinobu Sasaki
Jeanne Kendig Skinner
Franklyn Edwin Skinner
Mathilde Veronica Sousa (Honors)
Frederick Eugene Steere, Jr.
Yukio Tanaka
Toma Tasaki (Honors)
Frank Nelson Thomas
Edward Armstrong Towse
Dorothy Waldron
Charles Richard Weight
Masao Yamada
Shuichi Yamamoto
Fook Kyau Zane
Leland Zink
HOLDERS OF UNIVERSITY SCHOLARSHIPS
1929-1930

Prince Fushimi Fund Scholarships
TAMAO MONDEN
WALLACE OTAGURO
SHIGERU SHIMOGAWA
HIROSHI YASUDA

Honolulu Chamber of Commerce Scholarship
WILLIAM AMONG
ISAO TOYAMA
SHIGEO YOSHIDA

Hilo Chamber of Commerce Scholarship
ALBERT P. NAHALE-A

Chinese Community Scholarships
DAI HO CHUN
AH KONG CHUN

Daughters of American Revolution Scholarships
JANA GLENN
RUTH ROBBINS

Stephen Spaulding Scholarships
WILLIAM KEA
THEODORE BLACKSTAD

Special Scholarship
MARCELINA MONROY

Ruth C. Scudder Memorial Scholarship
THELMA SMITH
REGISTER OF STUDENTS
1929-1930

GRADUATE DIVISION

Abel, (Mrs.) Marjorie Greig, 4604 Kahala Ave., Honolulu
B.S., University of Hawaii, 1925
(Household Science and Education)

Akimo, James, 2120 Wilder Ave., Honolulu
B.Th., Princeton, 1922
(History and Sociology)

Avison, Florence, 1651 Clark St., Honolulu
A.B., Colorado State Teachers College, 1923
(Education)

Babbitt, Adeline Emily, 1330 Koko Head Ave., Honolulu
B.S., Teachers College, Columbia, 1925
(Education)

Bailey, (Mrs.) Sylvia Dean, 2002 Hunnewell St., Honolulu
B.S., University of Hawaii, 1928
(Home Economics and Education)

Beck, (Mrs) Julia W., Lewers Rd., Honolulu
B.A., University of Montana, 1928
(Education and English)

Behrns, Abbie C., 1222 Kapiolani St., Honolulu
A.B., Southwest Texas Teachers College, 1922
(Candidate, M.A. in Education)

Berkey, Ira Francis, Dole Hall, Punahou School, Honolulu
B.A., Reed College, 1925
(History)

Black, Margaret D., 1020 Kapiolani St., Honolulu
B.A., University of Hawaii, 1927
(History and Education)

Bowers, Herbert S., 258 Dewey Ave., Honolulu
B.A., Bluffton College, 1924
(Education)

Caldwell, William B., Cottage M, Kamehameha Boys' School
B.S., Oregon State Agricultural College, 1924
(Education)

Carter, Elizabeth Hope, 1200 Sacramento, San Francisco, Calif.
Mid-Pacific Institute, Honolulu
B.A., University of Washington, 1928
(English and Education)

Cary, Miles E., 2656 Hillside Ave., Honolulu
A.B., University of Washington, 1917
(Candidate, M.A. in Education)

Cho, Jay Uhn, 1258 16th Ave., Honolulu
B.A., University of Hawaii, 1925
(Sociology and Political Science)
Copp, Della Zoa, Brookland Hotel, Honolulu
A.B., University of Pittsburgh, 1920
(Candidate, M.A. in Education and Sociology)

Crawford, Clyde E., 919 12th Ave., Honolulu
B.Ed., University of California, Southern Branch, 1924
(Candidate, M.A. in Education)

Darrow, (Mrs.) Esther S., 2418 Kuhio Ave., Honolulu
B.A., University of Minnesota, 1918
(Candidate, M.A. in English)

Das, Upendra Kumar, Habiganj (Assam) India;
Box 411, H.S.P.A. Exp. Sta., Honolulu
B.S., University of Hawaii, 1927
(Candidate, M.S. in Sugar Technology)

Davis, (Mrs.) Leah Cooper, De Quincy, Louisiana; Ala Moana on Ward
B.A., University of Hawaii, 1928
(Psychology)

Dunlap, (Mrs.) Hilda, Waimanalo, Oahu; c/o Territorial Normal School
B.S., Kansas State Agricultural College, 1927
(Candidate, M.A. in Education and History)

Duvel, Albert Walter, Box 231, Lihue, Kauai
B.S., University of Hawaii, 1925
(Botany)

Eguchi, George Mamoru, 460 Kuakini St., Honolulu
B.S., University of Hawaii, 1929
(Candidate, M.S. in Chemistry)

Feng, Wanshi, Shanghai, China; Ewa Plantation, Oahu
B.S., University of Hawaii, 1929
(Candidate, M.S. in Chemistry)

Fockler, Edmund R., Laupahoehoe, Hawaii
B.A., Juniata College, 1920
(Candidate, M.A. in Education and Psychology)

Geiser, Ralph G., 2418 Ferdinand Ave., Honolulu
A.B., Western State College of Colorado, 1927
(Education)

Gill, (Mrs.) Dorothy DuM., Kahuku, Oahu
B.A., Oxford College, 1915
(Candidate, M.A. in Education and French)

Godfrey, (Mrs.) Lois K., 2561 Malama Way, Honolulu
B.S., Kansas State College, 1915; M.S., University of Wisconsin,
1922 (Zoology and Botany)

Graubart, Arthur H., c/o Gambling; 291 Grayson Place, Teaneak, N. J.,
U. S. S. Roger 2, Sub. Base, Pearl Harbor
B.S., U. S. Naval Academy, 1925
(Psychology)

Hatch, C. Grenville, 1405 Center St., Honolulu
B.A., University of Hawaii, 1929
(History)

Hendry, (Mrs.) Eva, 3015 Kalakaua Ave., Honolulu
B.A., University of Hawaii, 1927
(Education)
Hess, Juanita, 204 Kaulani Ave., Honolulu
B.A., University of Hawaii, 1925
(English)
Higgins, (Mrs.) Marion, Box 2722, Honolulu; Makiki Hotel, Honolulu
A.B., Mills College, 1922
(Education and Psychology)
Hong, Tai Hee, 1520 Fort St., Honolulu
B.A., University of Hawaii, 1929
(Zoology)
Hör mann, Bernhard L., 1036 Green St., Honolulu
B.A., University of Hawaii, 1927
(Sociology and History)
Iwata, Henry Y., 2019 Kealoha St., Honolulu
B.A., University of Hawaii, 1927
(Education)
Jarrett, Lorna H., 2356 Oahu Ave., Honolulu
B.S., Teachers College, Columbia, 1927
(Candidate, M.A. in Geography and Sociology)
Kangley, Helen, Seattle, Wash.; 1945-A Kalia Rd., Honolulu
B.A., University of Washington, 1922
(English)
Kluegel, May Thurston, 1507 Alexander St., Honolulu
B.A., University of Hawaii, 1929
(Education)
Krauss, Beatrice H., 2447 Parker St., Honolulu
B.S., University of Hawaii, 1926
(Candidate, M.S. in Plant Physiology)
Lam, Margaret M., 1439 Keeaumoku St., Honolulu
B.A., University of Hawaii, 1929
(Psychology and Sociology)
Landgraf, (Mrs.) Janet Ross, 1927 So. Beretania St., Honolulu
B.A., University of Hawaii, 1925
(Education and History)
Larrabee, Louise M., The Granville Hotel, Honolulu
B.S., Penn State College, 1910
(Candidate, M.A. in Education)
Larsgaard, Herman L., Kekaha, Kauai; B.A., Luther College, 1925
(Education)
Leigh, Rufus Wood, 2009 Kakela Drive, Honolulu
D.D.S., University of Michigan, 1912
(Candidate, M.A. in Anthropology)
Li, Gladys Ling Ol, 52 So. Kukui St., Honolulu
B.A., University of Hawaii, 1930
(Chinese and English Literature)
Linford, (Mrs.) Thelma L., 1815 Poki St., Honolulu
A.B., North Carolina College for Women, 1927
(Botany and Zoology)
Lucas, Meda Frances, Brookland Hotel, Honolulu
B.A., University of Kansas, 1914
(English)
MacNeil, Helen Bosson, 2010 Hunnewell St., Honolulu
B.A., Boston University, 1912
(Education)
Markley, (Mrs.) Helen E., 1122 Wai'alea, Honolulu
B.A., University of Hawaii, 1930
(Education, Social Science)
Martin, Arnold M., Wai'alua, Oahu
B.S., University of Nebraska, 1927
(Agricultural Education)
Masuoka, Jitsuichi, Puunene, Maui; 1617 So. King St., Honolulu
B.A., College of Emporia, 1928
(Sociology)
McBride, Virginia, 234-F Lewers Road, Honolulu
B.A., University of Utah, 1925
(education)
McKee, Ruth Eleanor, 2727 Pamoa Rd., Honolulu
B.A., University of California at Los Angeles, 1926
(Candidate, M. A. in Education)
Morita, Helene T., 1021 Kama Lane, Honolulu
B.S., University of Hawaii, 1924; M.S., University of Hawaii, 1928
Murphy, Fred, 1402 Punahou St., Honolulu
B.A., University of Hawaii, 1929
(Candidate, M. A. in Education)
Nelson, John B., 2253 Kalia Road, Honolulu
B.S., University of Wyoming, 1906
(Education)
Oliveira, Juliette M., 1541 Fort St., Honolulu
B.A., University of Hawaii, 1928
(Botany and Zoology)
Otremba, Frances M., 2659 Oahu Ave., Honolulu
B.S., Teachers College, Columbia, 1929
(Education)
Ottmann, Donald R., 3630 Sierra Ave., Honolulu
A.B., University of the South, 1915
(Psychology and Sociology)
Peavey, George J., 550 Emerson St., Denver Colo.; 2253 Kalia Road, Honolulu
B.A., University of Denver, 1924
(Education and English)
Powell, (Mrs.) Velma S., Pahala, Kau, Hawaii
B.L., University of California, 1909
(Education)
Remick, Grace I., 2450 Kuhio Ave., Honolulu
B.A., University of Hawaii, 1929
(Education)
Richmond, Ethal B., Hamakuapoko, Maui
B.A., University of Idaho, 1917
(Candidate, M. A. in Education and English)
Shaw, Ruth C., 1335 Highview Ave., Honolulu
B.S., Teachers College, Columbia, 1909
(Candidate, M.A. in Education)
Shinn, Alida Visscher, 1522 Hastings St., Honolulu
B.E., National Kindergarten and Elementary College, 1928
(Education)

Simonson, J. Alfred, 1409 Makiki St., Honolulu
A.B., Pacific Union College, 1925
(Education and Psychology)

Skinner, Franklyn E., 2508 Kalakaua Ave., Honolulu
B.A., University of Hawaii, 1929
(Political Science)

Sousa, Mathilde V., 1377 Lusitana St., Honolulu
B.A., University of Hawaii, 1929
(Candidate, M.A. in English and Education)

Steeves, (Mrs.) Olive Neata, 2103 Hunnewell St., Honolulu
B.A., University of Toronto, 1907
(Education)

Stratford, Jane A., Hamakuapoko, Maui
B.S., University of Kansas, 1926
(Candidate, M.A. in Education)

Suehiro, Amy, 1219 7th Ave., Kaimuki, Honolulu
B.S., University of Hawaii, 1927
(Entomology)

Thomson, (Mrs.) Helen G., 2212 McKinley St., Honolulu
B.S., Occidental College, 1920
(Candidate, M.A. in Education)

Toi, Kenzo, Hiroshima, Japan; 222 No. Beretania St., Honolulu
B.A., University of Hawaii, 1927
(Political Science)

Tsubaki, Kiyoto, Nuuanu Jap. Church Dormitory, Honolulu
B.A., University of Hawaii, 1930
(Psychology and Education)

Varney, Ada S., 1095 Spencer St., Honolulu
B.S., Columbia University, 1926
(History and Political Science)

Watson, Clarence N., 4313 Tennessee Ave., Chattanooga, Tenn.
B.S., University of Florida, 1929
(Education and Agriculture)

Weimer, Carleton E., 910 21st Ave., Kaimuki, Honolulu
B.S., The College of Wooster, 1927
(Education)

Wilson, Ivah I., 1336-B Lunalilo St., Honolulu
B.S., Northeast Mo. State Teachers College, 1927
(Education)

Wong, Maria K., 1294-A Akoko Lane, Honolulu
B.A., University of Hawaii, 1930
(Political Science and Education)

Woodworth, Francis B., Pasadena, Cal.; 2458 Koa Ave., Honolulu
Ph.B., Yale, 1928
(English)

Yanaga, Chitoshi, Kealakekua, Kona, Hawaii; 634 Coral St., Honolulu
B.A., University of Hawaii, 1928
(Candidate, M.A. in Education and Sociology)
University of Hawaii

COLLEGE OF APPLIED SCIENCE

Note:—The first figure following a student's name indicates grade points earned, the second figure semester hours earned at the University of Hawaii; figures in parentheses indicate advanced standing credits allowed from other institutions. Roman numerals indicate class—I Freshman, II Sophomore, etc.

Abe, Yaso, 12, 13 (I Agriculture), Box 18, Holualoa, Hawaii; Seaside Hotel
Akau, John K., 45, 46 (II Voc. Educ., Agric.), Box 843, Hilo, Hawaii; 251 So. Vineyard St.
Akinaka, Arthur Y., 290, 139 (IV General Science), 1503 Houghtailing Rd.
Andrade, Juliette, 20, 13 (I Home Economics), 1522 Alexander St.
Andrus, Robert A., 5%, 8 (I Civil Engineering), 3360 Keanu St.
Angst, Alice P., 21, 16 (I Home Economics), Makaweli, Kauai; 2555 Roeke Ave.
Arita, Kiyo, 136, 94 (III Home Economics), 1133 Fort St.
Arnold, Cecelia H., 16, 12 (I Home Economics), 3467 Maunaloa Ave.
Awaya, Kaichi, 171, 97 (III Civil Engineering), Box 59, Kohala, Hawaii; cor. South and Kapiolani Blvd.
Ayau, Lei Olivia (I Voc. Educ., H. E.), Hoolehua, Molokai; 930 14th Ave. (Withdrew)
Azevedo, William, 0, 3½ (I Sugar Technology), Pahala, Hawaii; Men's Dormitory
Bechert, Myrtle M., 30, 19 (I Home Economics), 2876 Park St.
Bicknell, Dorothy L., 36, 41 (II Home Economics), 1727 Makiki St.
Blackstad, Theodore, 6, 5½ (I Agriculture), Hanamaulu, Kauai; Men's Dormitory
Caceres, Pauline (I General Science), Box 916, Hilo, Hawaii; Kailulani Girls' Home (Withdrew)
Calder, Alexander B., 13, 13½ (I Civil Engineering), Kealia, Kauai; 1143 2nd Ave.
Carvalho, Regina J., 10½, 7½ (I Voc. Educ., Agric.) Papalkou, Hawaii; 1522 Kewalo St.
Chang, Alfred H., 8½, 18 (I Pre-Medical), 1613 Houghtailing St.
Chang, Bing Tong, 143, 133½ (IV Civil Engineering), 1326 Pilikoi St.
Chang, Hon Chong, 15, 18 (I Pre-Medical), c/o Dr. S. Y. Chang, Lihue, Kauai; 1720 Marques St.
Ching, Ah Seong, 47, 38½ (II Voc. Educ., Agric.), 96 Puiwa Lane
Ching, Ah Yune, 198½, 132½ (IV Sugar Tech., Agric.), 1234 Mao Lane
Ching, George H. Y., 34, 47 (II Pre-Medical), 19 McGrew Lane
Ching, Quan Yuen, 49, 54 (II Civil Engineering), Box 893, Waipahu, Oahu
Chock, Herbert, 5½, 15 (I Pre-Medical), 1433 Kewalo St.
Choy, Hung Fat, 13, 12½ (I General Science), Punaluu, Oahu; 2033 Uhu St.
Christophersen, Clarence D., 63, 65 (III Civil Engineering), Kahuku, Oahu; Men's Dormitory
Register of Students

Chun, Cho Hen, 52, 56 (II Civil Engineering), 1149 Kamehameha Ave. Hilo; 623 9th Ave.
Chun, David Bung, 61, 50 (II Voc. Educ., Agric.), 60 No. School St.
Chun, Edwin Y., 34, 18½ (I Agriculture), 1247-A Hall St.
*Chunn, Livingston, 183, 108 (IV Pre-Medical), Hahnemann Medical College, Philadelphia, Pa.
Coleman, John R., 26, 16 (I Agriculture), Atkins, Arkansas; Old Naval Station
Cooper, Elizabeth, 121, 96 (III Home Economics), 2316 Oahu Ave.
Coxhead, Victor, 35, 38 (II Pre-Dental), 2656 Kaaiipu Ave.
Crawford, Harold R., 143, 123 (IV Agriculture), Waipahu, Oahu.
Day, (Mrs.) Gertrude B., 133, 54 (II Home Economics), 1430 Makiki St.
Dean, Lyman A., 87, 82 (II General Science), 2225 Hyde St.
DeArmond, David, 3, 10½ (I Civil Engineering), 735 Schofield Barracks
Dease, Maitland C., 230, 120½ (IV General Science), 1048 Koko Head Ave.
Denison, Marion N., 101, 58 (II Home Economics), 1840 Vancouver Highway
Espenshade, Gilbert H., 44, 19½ (I General Science), 315 Beaver Ave., State College, Pa.; 2333 Liloa Rise
Fleener, Charley, 0, 4½ (I Civil Engineering), Waipahu, Oahu.
Fong, Francis, 159½, 132½ (IV Agriculture), 918 6th Ave.
Forrest, Lester W., 1½, 11½ (I Sugar Technology), 1649 Beretania St.
Foster, George, 6½, 8 (I Civil Engineering), Pukoo, Molokai, 3610 Bethshan Rd.
Fujii, Takeo, 13½, 17 (I Civil Engineering), 544 Kalili St.
Fujita, Francis, 29, 19 (I Civil Engineering), 3336 Campbell Ave.
Fujiwara, Thomas, 23, 18 (I Pre-Medical), 2101 Ahi St.
Fujiyoshi, Harue, 104, 87 (III Home Economics), Puunene, Maui; Ka-waiahao Bldg., Mid-Pacific Institute
Fukuda, Isaac L., 57, 79 (III General Science), 808 Laniwai St.
Fullaway, Frank L., 24, 19 (I Civil Engineering), 2714 Manoa Road
Glenn, Jana, 108, 54 (II Home Economics), 927 Buhne St., Eureka, Calif.; 743 Wylie St.
Goo, Tin Yau, 128, 128½ (IV Agriculture), 539 No. School St.
Gove, James T. P., 19½, 14 (I Civil Engineering), 946 14th Ave.
Guoco, D. Francisco, 22, 16½ (I Agriculture), Box 1032, Hilo, Hawaii; 822 Mission Lane
Hamada, Koichi, 192, 132 (IV Civil Engineering), Puunene, Maui; 872 Mission Lane
Hanaoka, Yoichi, 192, 98 (III Pre-Medical), 1030 Aala St.
Hansen, Alwyn G., 106, 89½ (III General Science), 2312 Beckwith St.
Hansen, George R., 23½, 17 (I General Science), 1427 Whitney St.
Hara, Ernest H., 53, 52 (II General Science), 1326 Nuuanu St.
Harkins, Melvin A., 28, 19 (I Civil Engineering), 949 8th Ave.
Harry, John Vernon, 50½, 18 (I General Science), 4042 Mauna Loa Ave.
Hasuike, Harold, 32, 17 (I General Science), 2649 So. King St.

*To receive degree upon satisfactory completion of first year at medical school.
Hee, Wah Ching, 190, 135 (IV Civil Engineering), Box 55, Hanapepe, Kauai; 96 Kolea Lane

Hirai, Sakai, 13, 14 (I Civil Engineering), 101 Jack Lane

Hiraoka, Kenichi, 0, 5 (I Pre-Medical), Kealakekua, Kona, Hawaii; 471 Cooke St. (Withdrew)

Hirota, Umeyo, 19, 12 (I Voc. Educ., H. E.), Haina, Hawaii; 3157 Aila St.

Hitchcock, John M., 38, 20 (I General Science), 429 Schofield Barracks

Ho, Tai Loy, 59, 50½ (II Agriculture), 737 Kawalihaa St.

Hockley, Isabel L., 131, 130 (IV Home Economics), 2144 Lanihuli Drive

Hodgkin, John W., 36½, 27½ (II Civil Engineering), 2258 Mescal St.

Holmes, Merle C., 30, 13 (57) (III General Science), Old Naval Station

Hori, Tamotsu, 37, 49½ (II Voc. Educ., Agric.), H. S. P. A. Experiment Station, Keeaumoku St.

Hosaka, Edward Y., 87, 75 (III Agriculture), 1411 Kaumualii St.

Hu, Wing Chung, 5½, 17 (I Civil Engineering), Box 444, Lihue Kauai; 1053 Nuuanu St.

Ichimura, Kenichi, 32½, 15 (I Pre-Medical), 1518-F Liliha St.

Inahuku, Raymond H., 59, 88 (III Agriculture), Box 1018, Honolulu Hotel


Itagaki, Shigeru, 84, 75 (III Pre-Medical), 1211 Palama St.

Ito, Tadao, 123½, 93½ (III General Science), 1710 Fort St.

Iwai, Gero, 76, 88 (III Agriculture), c/o Manoa Japanese School, Upper Manoa Rd.

Iwamoto, Hideshi, 208, 132 (IV Civil Engineering), Puunene, Maui; 872 Mission Lane

Jacobson, (Mrs.) Norma B., 197, 136 (IV Home Economics), 1443-A Emerson St.

Jorgensen, Jorgen J., 180, 134 (IV Sugar Tech., Agric.), 1675 Kalakaua Ave.

Judd, Clement M., 67½, 81½ (III Agriculture), Kualoa Ranch, Heeia, Oahu; 1143 2nd Ave.

Kaaua, Edward S., 120½, 96½ (III Civil Engineering), 1910 Fort St.

Kagee, William S., 3, 11½ (I General Science), 2662 So. King St.

Kageyama, Robert Y., 24, 18 (I General Science), Box 279, Honokaa, Hawaii; 1220 Pensacola St.

Kalhenui, Frank, 47, 38 (II Civil Engineering), Kamehameha Schools

Kamimura, Fusao, 45, 18 (I Agriculture), Pilhonua, Hawaii; 1710 Fort St.

Kamm, David, 15, 23½ (I Pre-Medical), 182 School St.

Kaneshiro, Jushin, 47, 51 (II Agriculture), 781 Kinoole St., Hilo, Hawaii; No. 5 Cunha Lane, No. Vineyard St.

Kauinani, Mary K., 38, 47 (II Home Economics), 450 Cooke St.

Kawakami, Norito 41½, 18 (I Agriculture), Aihukini, Kauai; 610 So. King St.

Kawakami, Stanley (I Sugar Technology), Kalaheo, Kauai; 1809 Republican St. (Withdrew)

Kawamura, Frederick H., 27, 18 (I Agriculture), 1917 So. King St.
Kawamura, Kenichi, 284, 139 (IV Civil Engineering), 1227 Pua Lane
Kea, William C., 85, 62 (III General Science), 3047 Hollinger Ave.
Kim, (Mrs.) Hope, 85, 93 (IV Voc. Educ., H. E.), 1301 Liliha St. (Withdrew)
Kimata, Harold 12⅔, 15 (I Pre-Medical), 858 Lakimela Lane
Kimoto, Lawrence H., 44, 48 (II Agriculture), Box 689, Wailuku, Maui; 872 Mission St.
Kimura, Minoru, 19⅔, 15 (I Pre-Medical), 2505 Rose St.
Kiyosawa, Mildred H., 14, 13 (I Home Economics), Kukalau, Hawaii; 1429 Makiki St.
Kodama, Peggy H., 24, 17 (I Home Economics), Lahaina, Maui; 43 Kukui St.
Koga, Masao, 17⅔, 15 (I Agriculture), Olaa, Hawaii; 3736 Sierra Drive
Kono, Takumi, 90, 84⅔ (III Voc. Educ., Agric.), Hilo, Hawaii; 1941-B Ulu Lane, Punalu St.
Kosaka, Yorito, 9⅔, 15 (I Civil Engineering), Lahaina, Maui; 1710 Fort St.
Krauss, Noel H., 34, 45 (II General Science), 2447 Parker St.
Kubo, Earl T., 8⅔, 11 (I Pre-Medical), Box 283, Hilo, Hawaii; 1839 Anapuni St.
Kuwata, Ken, 21⅔, 17 (I General Science), 912 Kawahahao St.
Laird, Alys C., 47, 44 (4) (II Voc. Educ., H. E.), Haleiwa, Oahu; Women's Dormitory
Lam, Grace, 141, 90 (III Voc. Educ., H. E.), 1716 Mott-Smith Drive
Lam, Philip T. F., 15, 10⅔ (I Pre-Medical), 352 Kukui St.
Lau, Joseph A. C., 5, 15 (I Pre-Medical), 1803 Bingham St.
Lau, Thomas C. S., 34, 47½ (II Civil Engineering), 3703 Harding Ave.
Lee, Bernard C., 43, 18⅔ (I Agriculture), 1098 So. Beretania St.
Lee, Edmund G. L., 74, 56 (II General Science), 32 Wentworth Place, San Francisco, Calif.; 62 No. Hotel St.
Lee, Henry T. W., 9, 18⅔ (I General Science), Box 1716, Honolulu; rear 545 No. School St.
Lee, Joseph K. Y., 4, 18 (I Pre-Medical), 1310 Matlock Ave.
Lee, Reginald H. Y., 9, 18 (I Pre-Medical), 1310 Emmeluth Lane
Lee, Robert C. H., 140, 59 (II General Science), 1928 Eluwene St.
Lee, Robert E., 133, 58 (II Civil Engineering), 1723 Lanakila Rd.
Lee, Won Kyu, 49, 38 (II Civil Engineering), Pyung Yang, Korea; 1520 Fort St.
Leong, Ah Yim, 16, 19 (I Home Economics), 934 8th Ave.
Leong, Elizabeth Y., 78, 54 (II General Science), 1736 Piikoi Drive
Leong, Walsh H. S., 35, 53 (II Civil Engineering), 1334 9th Ave.
Leonor, Julio L., 104, 111 (39) (IV Sugar Tech., Chem.), Mambusao, Capiz, P. I.; 441 School St.
Lindsay, James C., 66½, 82½ (III Voc. Educ., Agric.), 1137 Davenport St.
Litton, James H., 25, 16 (I Pre-Medical), Oneida, Tenn.; Ninth Signal Co., Fort Shafter.
Loo, Walter S., 16, 15 (I Pre-Medical), Hilo, Hawaii; Men's Dormitory
Lous, Lillian, 107, 88 (III General Science), 1060 Koko Head Ave.
Loveland, Robert M., 56, 48 (II General Science), 836 11th Ave.
Low, Frank Y. F., 98, 103 (III Voc. Educ., Agric.), 2236 Young St.
*Luke, Hing Blu, 182, 113 (IV Pre-Medical), Loyola Univ. School of Medicine, Chicago, Ill.
Luke, Kam Mee, 12, 10 (I Home Economics), Box 62, Kohala, Hawaii; 1174 Young St.
Lum, (Mrs.) Clara Y., 128, 93 (III Voc. Educ., H. E.), East Manoa Road, Woodlawn Tract
Lyman, Albert K., 13⅔, 14 (I Civil Engineering), Pahoa, Puna, Hawaii; Men's Dormitory
Lyman, Francis (I Agriculture), 17 Ewailko Lane, Hilo; Men's Dormitory (Withdraw)
Macfarlane, Walter J., 115, 125 (III General Science), 2262 Kalia Rd.
Machida, Moto, 82, 54 (II Home Economics), Box 307, Hilo, Hawaii; 1616 Nuuanu Ave.
Maehara, Ichiro, 0, 5 (I Sugar Technology), Puunene, Maui; 1215 Wilder Ave.
Marques, Harold, 41, 41 (II General Science), 3526 Harding Ave.
Masuda, Haruo, 21⅔, 18 (I Agriculture), 79 No. School St.
Masuhara, Robert T., 169, 98 (III Pre-Medical), Mid-Pacific Institute
Matsusaka, Yoshito, 276, 138 (IV Sugar Tech., Agric.), Alea, Oahu
McKenzie, Alexander E., 15⅔, 18 (I Pre-Medical), 3736 Harding Ave.
Merrill, Virginia T., 83, 50 (II Voc. Educ., H. E.), Fort Shafter
Meyer, Charles, 7½, 12 (I Agriculture), Kalae, Molokai; 820 18th Ave.
Midorikawa, Haruko, 19, 17 (I Home Economics), 1759-B Algaroba St.
Mikikitan, Carl M., 109, 56 (II Pre-Medical), 1788 Ala Moana Rd.
Mikikitan, Clifford K., 106, 56 (II Pre-Medical), 1788 Ala Moana Rd.
Mitsuda, Masato, 38⅔, 18 (I Pre-Medical), 2299 No. King St.
Miyake, James H., 69, 55 (II Civil Engineering), 1650 Nuuanu St.
Montgomery, Reed, 42⅔, 17½ (I General Science), Men's Dormitory
Morgan, Edward J., 128, 88 (III General Science), Kapaa, Kauai; 1286 So. Beretania St.
Mundy, Millard C., 28, 26 (I General Science), 2133 McKinley St.
Muroki, Kiyomi, 37, 17 (I Sugar Technology), Paia, Maui; 1239 So. King St.
Nakagawa, Kinzo, 136, 117 (III Agriculture), Capt. Cook, Kona, Hawaii; 45 Paauahi and Smith Sts. (Withdraw)
Nakamoto, Katsumi, 82, 54 (II Civil Engineering), Wailuku, Maui; 1020-A Kapiolani St.
*Ng, Abraham K. S., 116, 100 (IV Pre-Medical), 57 Cunha Lane; Pennsylvania Medical School, St. John's University, Shanghai, China
Nikaido, Raymond Y., 31, 18½ (I General Science), Box 23, Pukoo, Molokai; 3111 Esther St.
Nishihara, Ernest T., 7, 19 (I Civil Engineering), 318 Kailhi St.
Nishimura, Matsuhei, 57, 54 (II Voc. Educ., Agric.), 1725 So. King St.
Nishimura, May, 23, 19 (I Home Economics), 2140 Algaroba St.
Nishimura, Tamotsu, 210, 119 (IV General Science), 2140 Algaroba St.
Nitta, Kazuto, 265, 137 (IV Voc. Educ., Agric.), 1650 Olona Lane
Nogawa, James, 83, 87 (III Civil Engineering), 1530-E Holt Lane
Nuha, Bert K., 53, 45 (II Agriculture), 2289 Kamehameha Ave.

* To receive degree upon satisfactory completion of first year at medical school.
Register of Students

Obayashi, Evelyn, 53, 51 (II Home Economics), Box 95, Naalehu, Kau, Hawaii; 1727 Fort St.
Obayashi, Tsuneo, 9½, 17 (I Civil Engineering), Box 95, Naalehu, Kau, Hawaii; c/o Mr. O'Leary, Box 3234, Honolulu
Octavio, Arcenio M., 171, 132 (IV Agriculture), Box I, Puunene, Maui; 822 Mission Lane
Ohtani, Masato, 136, 87 (III Pre-Medical), Hiroshima, Japan; 847 10th Ave.
Ohtani, Ralph, 77, 49½ (II Civil Engineering), 918 Thompson St.
Okada, Stephen T., 36, 19 (I Civil Engineering), Paia, Maui; 1722 Olona Lane
Okawa, Thomas G., 36, 19 (I Civil Engineering), 2330 So. King St.
Okumura, Hideki, 0, ½ (I Sugar Technology), Holualoa, Hawaii; Sea-side Hotel
Okutani, Tokuo (I Pre-Medical), 1709-A Iliahi St. (Withdrew)
Omori, Ethel H., 52, 43 (II Pre-Medical), Box 127, Mt. View, Hawaii; 1071 Kinau St.
Omori, Kunji, 10, 12 (I Civil Engineering), Kealia, Kauai; 1239 So. King St.
Omuuro, Yoshio, 48, 57 (II Agriculture), Spreckelsville, Maui; 79 No. School St.
Onaga, John M., 8½, 5 (I Pre-Medical), Puuloa, Oahu
Oura, Howard S., ¼, ½ (I Sugar Technology), Honokohua, Maui; 1239 So. King St.
Owen, Richard R., 4, 7 (I Civil Engineering), 2010 Kamehameha Ave.
Page, John R., 26½, 19 (I Civil Engineering), Quarters 252, Fort Shafter
Pagula; Ramon L., 82½, 56½ (II Sugar Tech., Eng.), Kingwa, Bula-can, P. I.; 822 Mission Lane
Pang, David Lee, 33, 46 (II Pre-Medical), 1749 Lewis Ave.
Park, Edward S., 10½, 19 (I Civil Engineering), 227 Perry St.
Park, Ernest K. H., 5½, 11 (I Civil Engineering), 227 Perry St.
Park, Jacob Y., 81½, 75½ (III Civil Engineering), Box 172, Wahiawa, Oahu; 1520 Fort St.
Park, Mansur, 116, 57½ (II General Science), Box 1919, Honolulu
Peavey, Thomas C., 25½, 20½ (I Civil Engineering), 1607 7th Ave., No. Twin Falls, Idaho; 2205 Hyde St.
Penhallow, Charles F., 36, 19 (I Civil Engineering), Walluku, Maui; Men's Dormitory
Reid, Raymond F., (I Civil Engineering), 2031 Kamehameha Ave.
Richardson, George G. (51½) (II Sugar Technology), Hilo, Hawaii; 2581 Jones St. (Withdrew)
Robbins, Ruth C., 203, 88 (III General Science), 2326 Metcalf St.
Rourke, Grace D., 203, 87 (III Home Economics), 2412 Prince Edward St.
Saiki, Eva, 94, 50 (II Voc. Educ., H. E.), Hilo, Hawaii; 1319 Emma St.
Saiki, Leinani, 95, 45 (II Home Economics), Hilo, Hawaii; 1319 Emma St.
Sakai, Peter H., 22½, 17 (I Civil Engineering), 3167 Pahoa Ave.
Sakai, Toru, 46, 52 (II General Science), Box 177, Papaikou, Hawai'i; Sheridan Tract, So. King St.
Sakamoto, Shuichi, 186½, 94½ (III Civil Engineering), Box 74, Holualoa, Kona, Hawai'i; 1237 Hall St.
Sakamoto, Wallace, 52, 18 (I Pre-Medical), 853 Kawaihao St.
Sakata, Toshi, 17½, 18 (I Pre-Medical), 3357 Pahoa Ave.
*Sakimoto, Richard Y., 204, 118 (IV Pre-Medical), 1822 Nuuanu Ave.; Washington University, School of Medicine, St. Louis, Mo.
Sato, Kenneth K., 148, 130 (IV Civil Engineering), 1054 Puanani St.
Seki, Shinichi, 28, 38 (II Civil Engineering), Honokouhau, Maui; 1710 Fort St. (Withdrew)
Seki, Shuji, 16, 18 (I Agriculture), Lahaina, Maui; 1710 Fort St.
Shigemi, Masayuki, 34, 15 (I Agriculture), 1881 No. King St.
Shim, James E. K., 137, 94 (III Voc. Educ., Agric.), Waiakoa, Kula, Maui; 1010 10th Ave. (Withdraw)
Shimada, Louis, 101, 82½ (III Civil Engineering), 1419 So. King St.
Shimoda, Hanaye, 154, 101 (III Home Economics), 2293 No. King St.
Shimogawa, Shigeru, 315, 140 (IV Civil Engineering), Alea, Oahu
Shiraki, Raymond N., 15½, 18 (I General Science), 1209 Elm St.
Shiroma, Hatsuko, 14, 13 (I Voc. Educ., H. E.), Camp 4, Makaweli, Kauai; 631 8th Ave.
Smith, Ridgway P., 9, 10 (I Civil Engineering), Quarters 520, Schofield Barracks; Men's Dormitory
Song, Mun Soo (I General Science), 750 20th Ave. (Withdraw)
Sousa, Henry M., 12, 16½ (I Civil Engineering), 694 Pohukaina St.
St. Clair, William P., 4, 15 (I Civil Engineering), 1124 Davenport St.
Storey, William B., 36½, 16¼ (34), (II Agriculture), 1107 Punahou St.
Sueoka, Toshiko, 153, 92 (III Home Economics), Koloa, Kauai; Kauai Girls' Home
Suga, Yaichi, 7, 19 (I Civil Engineering), Lawai, Koloa, Kauai; 1239 So. King St.
Sugai, Ryoichi, 33½, 18 (I Agriculture), 1081 Kinu St.
Sugai, Yuki, 25, 19 (I Voc. Educ., H. E.), 1081 Kinu St.
Sugimura, Doris S., 21, 18 (I Home Economics), Box 27, Haina, Hawaii; 628 So. King St.
Sun, Frances K., 133, 123 (IV Voc. Educ., H. E.), 2525 Rooke Ave.
Sunouchi, Sadao, 70, 47 (II Civil Engineering), 834 Young St.
Sutherland, Donald C., ½, 6 (I General Science), 1020 Keeaumoku St.
Suzuki, Michi, 24, 19 (I Home Economics), 1582-Q Philip St.
Takata, Mildred Y., 40, 38 (I Voc. Educ., H. E.), Waimea, Kauai; 1071 Kinu St.
Tam, Anthony A., 57, 51½ (II General Science), Makawao, Maui; 1218 9th Ave.
Tanaka, Yoshio, 141, 128½ (IV Pre-Medical), 1909 So. King St.
Taura, James M., 1, ½ (Pre-Dental), 1524 Farrington St.
Tehero, Magno, 5, 7½ (I Pre-Medical), Tayum, Abra, P. I.; 401 So. Beretania St.
Teramoto, Shizuko, 24, 17 (I Home Economics), 2842 Koanani Way
Ting, Thomas L., 124, 132 (IV Civil Engineering), 468-C Webb Lane

*To receive degree upon satisfactory completion of first year at medical school.
Tom, Lin, 2½, 6 (I Pre-Medical), 108 No. Kukui St.
Tomoguchi, Yoshikatsu, 14½, 18 (I Pre-Medical), 245 Kawili St., Hilo, Hawaii; 1710 Fort St.
Tonaki, Genbi, 57, 54 (II Agriculture), c/o Yamamoto Store, Wahiawa; 901 McCully St.
*Torigoe, Masamichi, 254, 106 (IV Pre-Medical), Kurtistown, Hawaii; 2859 Manoa Rd.; Loyola University, School of Medicine, Chicago, Ill.
Toyama, Isao, 54½, 46½ (II Agriculture), Box 112, Olinda, Makawao, Maui; 1839 Anapuni St.
Tsark, Clarence L., 13½, 15 (I General Science), 3133 Waialae Ave.
Tsugawa, Masaru, 113, 94 (III Civil Engineering), Box 37, Papaikou, Hawaii; 1052 Puanani Lane
Tsui, Nobue, 22, 15 (I Sugar Technology), 283 Lanihuli St., Hilo, Hawaii; 1991 Makiki St.
Tsui, William S., 111, 77 (III General Science), 2106 Auli St.
Tyau, Yuen Fong, 167½, 86½ (III Civil Engineering), 1772 Lusitana St.
Ujiki, Misao, 33, 18 (I Home Economics), Box 154, Honokaa, Hawaii; 3255 Nuuanu Ave.
Umaki, Isami, 33, 18 (I Pre-Medical), Box 6, Olaa, Hawaii; 921 4th Ave., Kaimuki
Uno, Sholchi, 31½, 18 (Agriculture), 1743 So. King St.
Van Orden, Herbert, 21½, 19 (I Civil Engineering), 1666 Pilikoi St.
*Wakatake, Yorio, 125, 104 (IV Pre-Medical), 1216 Young St.; College of Medical Evangelists, Loma Linda, Calif.
Wee, Gin Ming, 0, 3½ (I Civil Engineering), 326 Pahala Lane
Webster, Winifred W., 180, 133 (IV Home Economics), 1836 Punahou St.
Westgate, Mark W., 85, 36 (II General Science), Hawaii Federal Experiment Station
Westgate, Philip J., 325, 130 (IV Agriculture), Hawaii Federal Experiment Station
Whang, Won Yill, 63, 51 (II Voc. Educ., Agric.), 474 Buckle Lane
White, Claude W., 4, 5 (I Sugar Technology), Kilauea, Kauai; 1143 2nd Ave.
Whitman, William McK., 222½, 93½ (23½) (IV General Science), Hakalau, Hawaii; Men's Dormitory
Wiebke, Henry, 184, 84 (III Pre-Medical), 2755 Waiaka Rd.
Wightman, Vincent H., 77, 89 (III Agriculture), Waipahu, Oahu
Wilson, Ethel J., 50, 41 (2) (II General Science), Box 925, Hilo, Hawaii; Women's Dormitory
Wong, Charles Y. O., 19½, 15 (I Agriculture), 1457 Auld Lane
Wong, Eva Y. G., 133, 95 (III Home Economics), Hau; Hawaii; 1908 Coyne Ave.
Wong, Hung On, 23, 19 (I Home Economics), 9 Kauila St.
Wong, Marjorie Y. L., 65, 61 (II Home Economics), 1457 Auld Lane

* To receive degree upon satisfactory completion of first year at medical school.
Wong, Robert, 81, 51 (II Pre-Medical), Box 1181, Hilo, Hawaii; 610 So. King St.
Wong, Walter C., 31½, 18 (I General Science), 1845-F' Elena St.
Wong, Yan Sau, 31, 18½ (I General Science), Cottage H, Pawale Lane
Woo, Francis H., 30, 17 (I General Science), 1041 Koko Head Ave.
Yamagata, Susumu, 20½, 15 (I Agriculture), Kealakekua, Kona, Hawaii; 2201 So. Beretania St.
Yamaguchi, Michio, 308, 134 (IV Voc. Educ., Agric.), 1640-A Philip St.
Yamashita, Paul T., 26½, 19 (I Civil Engineering), 88 Kaula St.
Yap, Francis T. C., 86, 81 (III Agriculture), 3465 Walaaie Ave.
Yap, Peter J., 72, 56 (II Pre-Medical), 1130 8th Ave.
Yasuda, Hiroshi, 164, 126 (IV Pre-Medical), Box 320, Kealakekua, Kona, Hawaii; 1839 Anapuni St.
Yasuda, Keizo, 13½, 15 (I Agriculture), Box 320, Kealakekua, Kona, Hawaii; 2201 So. Beretania St.
Yates, Piliani G., 157, 122 (IV Home Economics), Kealakekua, Kona, Hawaii; 1319 Emma St.
Yoshimasu, Hiroshi, 9, 9½ (I Civil Engineering), 937 McCully St.
Yoshinaga, Ernest K., 242, 137 (IV Voc. Educ., Agric.), Box 93, Naalehu, Kau, Hawaii; 1757 Fort St.
Yoshioka, Clarence K., 22, 18½ (I Agriculture), 3143 Paliuli Ave.
Young, Ah Mun, 257, 94 (III Voc. Educ., Agric.),1709 Kalani St.
Young, Alexander K., 0, 0 (I Civil Engineering), 1645 Young St.
Young, Hong Yip, 97½, 56½ (II General Science), 1333 Pensacola St.
Young, Philip, 41½, 18 (I Agriculture), 1759 Fort St.
Young, Wah Chock, 43, 44 (II Civil Engineering), 610 So. King St.
Young, Wai Yun, 276, 127 (IV General Science), 1333 Pensacola St.
Yuen, Seung Lin, 8, 14½ (I Pre-Medical), Box 167, Hilo, Hawaii; 1040 6th Ave.

COLLEGE OF ARTS AND SCIENCES

Note:—The first figure following a student's name indicates grade points earned, the second figure semester hours earned at the University of Hawaii; figures in parentheses indicate advanced standing credits allowed from other institutions. Roman numerals indicate class—
I Freshman, II Sophomore, etc.

Abbey, Muriel V., 54, 48 (II Education), 3259 Lincoln Ave.
Abe, Lillian N., 199, 122 (IV Education), 1148 Wilder Ave.
Achilles, Susan E. (I Education), Kohala, Hawaii; Women's Dormitory
(Withdraw)
Adachi, Masayuki, 139, 111 (IV Social Sciences), Makawao, Maui; Mid-Pacific Institute
Agano, Yuuchi, 7, 11 (I Commerce), 639 No. King St.
Agena, Tsuruko, 97, 89 (III Education), Mt. View, Hawaii; 2501 Palama Way
Register of Students

Aguiar, Earl J., 70½, 51½ (II Education), Kapaa, Kauai; 1609 So. King St.
Aizawa, Masao, 154, 117 (IV Nat. and Phys. Sciences), Box 71, Wailuku, Maui; 1839 Anapuni St. (Withdraw)
Akahoshi, Fred, 27, 38 (II Commerce), 816 8th Ave.
Akaka, Annie K., 98, 89 (III Education), 2005-A Ladd Lane
Akaka, Lucille, 20, 16 (I Education), 155 Paoakalani St.
Akau, Kauwila, 21½, 30½ (II Commerce), Box 1032, Hilo, Hawaii; 1226 15th Ave.
Akwai, Clarence, 171, 84 (III Education), 3228 Esther St.
Allison, Ruth, (I Lang., Lit., and Art), c/o Standard Dredging Co., 2701 Woolworth Bldg., New York City; Women’s Dormitory
Amasaki, Eiichi, 142, 85 (III Commerce), Box 331, Hilo, Hawaii; 644 Magellan St.
Among, William, 13½, 14 (I Education), Hookena, Kona, Hawaii; 1902-A Beckley St.
Anderson, Evelyn M., 107, 85 (IV Education), 2240 Oahu Ave. (Withdraw)
Andrew, (Mrs.) Nancy, 177, 74 (III Education), 2881 Oahu Ave.
Auld, Lily K., 14, 16 (I Education), 3057 Waialae Rd.
Aylett, Francis J., 18½, 18 (I Pre-Medical), 2820 Church Lane, Moiliili
Bachman, (Mrs.) Vera, 69, 26 (74) (III Social Sciences), 2532 Jones St.
Baker, Ruth C., 47, 17 (I Nat. and Phys. Sciences), 2315 Maile Way
Baker, W. Prescott, 39, 64, (16½%) (III Social Sciences), 1809 Keeaumoku St.
Ballengee, (Mrs.) Marcella, 73, 34 (80) (IV Education), Kamehameha Preparatory School
Balingit, Dominga L., 19, 16 (I Education), Box 93, Schofield Barracks; 560 So. Queen St.
Banks, Carol R., 7, 10 (I Lang., Lit., and Art), 2128 Haena Drive
Bartels, Helene L., 171, 116 (IV Education), Haina, Hawaii; 2065 Lanihuli Drive
Bartels, Linda P., 11, 16 (I Education), 3477 Campbell Ave.
Bates, Lois L., 150, 86 (III Education), Merry Point, Pearl Harbor
Bell, Janet, 75, 53 (II Lang., Lit., and Art), 1020 Koko Head Ave.
Bento, Ethel, 11, 16 (I Education), Box 283, Wailuku, Maui; 2042 Pala Rd.
Benton, Dorothy E., 31, 16 (I Education), Waimea, Kauai; Women’s Dormitory
Berg, Helene, 188, 76 (III Lang., Lit., and Art), Waipahu, Oahu
Betts, Richard K., 134, 89 (III Education), Hanapepe, Kauai; 1839 Anapuni St.
Betts, Alexa C., 4, 10 (I Education), Wailuku, Maui; 1319 Emma St.
Betts, Cleo A., 8, 13 (I Education), Wailuku, Maui; 1319 Emma St.
Bevins, Alice E., 141, 84 (III Education), Wailuku, Maui; Women’s Dormitory
Bevins, Mildred 15, 17 (I Education), Wailuku, Maui; Women’s Dormitory
Bishop, Joseph L., 127, 63 (62) (IV Education), 2065 Lanihuli Drive
Bray, David M., (I Social Sciences), 2144 Eheu St. (Withdrew)

Bruhn, Kanoena, 37, 39 (II Education), 1339 Kalheee St.

Buchanan, Genevieve I., 155, 111 (IV Education), Lahaina, Maui; 2754 Ferdinand Ave.

Burkland, Reynolds G., 80, 51½ (II Nat. and Phys. Sciences), 779-C Lunaillo Terrace

Burnett, Grace L., 41, 17 (I Lang., Lit., and Art), 1412 Kewalo St.

Calhau, Mabel M., 13, 12 (I Lang., Lit., and Art), Wailupe

Cannon, Frances Q., (I Lang., Lit., and Art), 985 Alewa Drive

Cayaban, Jesus O., 103, 114 (IV Education), Vigan, Ilocos Sur, P. I.; 2030 Kealoha St.

Chan, Helen M., 83, 57 (II Education), 178 So. School St.

Chang, Dorothy, 11, 13 (I Education), 1019 No. School St.

Chang, (Mrs.) Edith A., 166, 108 (IV Education), 148 School St.

Chang, Impung, 17, 16 (I Education), Hilo, Hawaii; Kaiulani Girls' Home

Chang, Jack Gett, 31, 17 (I Social Sciences), Men's Dormitory

Chang, Juanita H. Q., 42, 36 (II Education), Waimea, Kauai; Kaiulani Girls' Home, 597 So. King St.

Chang, Margaret H. S. Y., 11, 17 (I Education), 70 No. School St.

Chang, Rose K. M., 15, 18 (II Education), 1621 Keeaumoku St.

Char, Irene, 50, 84 (III Education), 2020-A Wilder Ave.

Cheng, Kok Sun, 6, 6 (I Social Sciences), Sun Village, Chungshan, Canton, China; 1317 So. Beretania St.

Cheong, Ah Choy, 2, 7 (I Education), Makaweli, Kauai; Kaiulani Girls' Home, 597 So. King St.

Chi, Lily L. Y., (23) (I Education), 1150 Kinau St.

Chinen, Theodore K., 81, 79 (III Education), Lahaina, Maui; 610 So. King St.

Ching, Alice Y. U., 27, 17 (I Education), 713 Panui St.

Ching, Chi Kwan, 116, 113 (IV Social Sciences), c/o Tai On Chan, Hongkong, China; 1516 Kewalo St.

Ching, Hung Dau, 118, 119 (IV Education), 2130 Wilder Ave.

Ching, Margaret C., 24, 17 (I Education), 1237-B Pua Lane

Ching, (Mrs.) Myra Lee, 68, 58 (II Education), 1827-A Dole St.

Ching-Shai, Theodora, 93, 50 (II Education), 1122 Kinaw St.

Chinn, Ruth, 74, 82 (III Education), 584-G Circle Lane

Chock, Lily K. Y., (I Education), 1433 Kewalo St. (Withdrew)

Chock, Mew Keam, 126, 57 (II Education), Kamuela, Hawaii; 1319 Emma St.
Register of Students

Chock, Mew Soong, 158, 109 (4) (IV Education), Kamuela, Hawaii; 1319 Emma St.

Chong, Alice, 23, 16 (I Education), 1815 Dole St.
Chong, Andrew J. S., 107, 54 (70) (IV Education), 1460 So. King St.
Chong, Kim Fan, 158, 122 (IV Education), 1625 So. Beretania St.
Chong, Lily M. S., 158, 122 (IV Education), 1625 So. Beretania St.
Chong, Mabel, 17, 16 (I Education), 1815 Dole St.
Chong, Vera Jean, 109, 92 (III Education), 1306 Young St.
Chuck, Philip K. L., 61, 50 (II Commerce), 928 Cedar St.
Chun, Ah Kong, 187, 121 (IV Education), Box 24, Kukuihae, Hawaii;
Mid-Pacific Institute

Chun, Calvin J. H., 37 ½, 21 (I Commerce), 1050 Beretania St.
Chun, Dai Ho, 322, 127 (IV Education), Box 24, Kukuihae, Hawaii;
Mid-Pacific Institute

Chun, Edwin A., 63, 63 ½ (II Education), Box 24, Kukuihae, Hawaii;
Mid-Pacific Institute

Chun, Edythe Y. Y., 4, 13 (I Education), Box 3, Wailuku, Maui; 1464-M Gandall Lane
Chun, Eleanor Y. L., 28, 19 (I Education), 1031 Noble Lane
Chun, Grace C. L., 17, 13 (I Education), Box 24, Kukuihae, Hawaii;
552-C Printers Lane


Chun, Kenneth K. S., 226, 93 (III Social Sciences), South and Halekau­
wila St.

Chun, Kim Hoon, 5, 8 (I Education), 552-C Printers Lane

Chun, (Mrs.) Margaret Wong, 129, 85 (III Education), Box 112, La­
haina, Maui; 1826 So. Beretania St.


Chun, Myrtle M., 63, 45 (II Education), 60 No. School St.

Chun, Phoebe, 151, 88 (III Education), 1144 Palama St.

Chung, Hyuk Lin, 13, 12 ½ (I Social Sciences), 1464-K Gandall Lane
Chung, Sai, 23, 23 (II Education), 79 No. Beretania St.

Church, Winona 17, 16 (I Education), Wailuku, Maui; 1405 Griffiths St.

Clark, Dorrit P., 27, 48 (II Education), Naalehu, Hawaii; Women’s Dormitory

Coile, Thelma C., 35, 18 (I Education), Fort Kamehameha, Box 91

Corbett, Allan L., 27, 44 (II Commerce), 1545 Magazine St.

Coxen, Frances A., 58, 50 (II Lang., Lit., and Art), Women’s Dormitory

Crowell, George L., 13 ¼, 14 (I Commerce), Waimea, Kauai; 438 So.
Beretania St.

Crowell, Lily L., 72, 49 (II Education), Waimea, Kauai; 597 So. King St.

Crozier, Myrtle McD., 25, 16 (I Education), 1654 Young St.

Cushnie, Edward F., 74, 113 (IV Pre-Medical), Pahala, Hawaii; Mac­
Donald Hotel

Daishi, Thomas, 292, 146 (IV Education), Haina, Hawaii; 1147 17th Ave.

DeArmond, Anne, 69, 47 (II Lang., Lit., and Art), Schofield Barracks
Deinert, Hilda K., 11, 13 (22) (II Education), Wailuku, Maui; 1319 Emma St.
Dempster, (Mrs.) Lydia, 176, 114 (IV Education), 1138 Hassinger St. (Withdraw)
Deponte, Harold L., 11 1/2, 11 1/2 (I Education), Spreckelsville, Maui; Men's Dormitory
Dietz, Edith E., 21, 17 (I Lang., Lit., and Art), 228 Beach Walk
Dillingham, Eleanor, 67, 32 (II Lang., Lit., and Art), 2562 Jones St.
Dow, (Mrs.) Gertrude F., 52, 26 (100%) (IV Education), Moana Hotel
Dowson, George L., 185, 126 1/2 (IV Education), 1026 Koko Head Ave.
Dudoit, Harriet, 51, 49 (II Education), 901-A Puuhale Rd.
Duker, Katherine L., 36, 14 (I Lang., Lit., and Art), 2115 McKinley St.
Dunn, Alice A., 5, 13 (I Education), Kaunakakai, Molokai; 1319 Emma St.
Durbenuick, Frank, 78 1/2, 51 1/2 (II Education), Mt. View, Hawaii; 1144-E 2nd Ave.
Ellis, Thomas E., 176, 129 (IV Commerce), 2156 Lanihuli Drive
Elmhurst, Irmgard, 25, 16 (I Education), Box 156, Lihue, Kauai; 1319 Emma St.
Embree, Edwina R., 31, 16 (I Lang., Lit., and Art), 1018 Kealaolu Ave.
Embree, John F., 36, 15 (III Lang., Lit., and Art), 1018 Kealaolu Ave.
Ericksen, (Mrs.) Edith, 33, 28 (117%) (IV Education), 1543 Liholiho St.
Ewaliko, Ethel, 11, 13 (I Education), 2543 Hamohamo Rd.
Farden, Irmgard, 18, 11 (I Education), Box 14, Lahaina, Maui; 1319 Emma St.
Fernandes, Henrietta E., 8, 13 (I Education), Makaweli, Kauai; 3738-B Manini Way
Flaherty, Hallye C., 28, 16 (100) (IV Education), 2466 East Ave., Columbus, Ohio; 2444 Oahu Ave.
Fong, Ah Leong, 221, 104 (III Pre-Legal), 2191 No. King St.
Forbes, Ada, 176, 118 (IV Education), 1526 Kalihe St.
Fujikawa, Asako, 78, 49 (II Social Sciences), 841-F Custer Ave.
Fujinaga, Mitsuru, 19, 17 (I Education), Box 95, Hakalau, Hawaii; 1925 Dole St.
Fujinaka, Evelyn N., 112, 90 (III Education), 429 No. King St.
Fujiwara, Kenji, 56, 50 (II Social Sciences), 2101 Ahi St.
Fukao, John K., 58, 71 1/2 (III Social Sciences), 1523 Nuuanu St.
Fukuda, Mitsuno, 23, 14 (I Education), Hamakuapoko, Maui; 308 Liberty St.
Funada, Harold, 44, 51 (II Education), Lihue, Kauai; 1624 Leflehua Lane
Garcia, Jose, 26, 43 (II Social Sciences), Bangued, Abra, P. I.; Filipino United Center
Gay, Karl E., 23 1/2, 17 (I Social Sciences), Pearl Harbor
Gerdes, (Mrs.) Clarissa P., 196, 114 (IV Education), 805 18th and Maunaloa Aves.
Gerdes, Joseph H., 203 1/2, 116 1/2 (IV Social Sciences), 805 18th and Maunaloa Aves.
Gittel, Holoaumoku E., 260, 130 (IV Education), 711 Prospect St.
Gluud, Grete A., 82, 78 (III Education), 2002 Hunnewell St.
Gomez, Gloria E., 34, 70 (III Education), Hanapepe, Kauai; 279 Awa-olimu St.
Goo, Madeline Y. L., 39, 48 (II Education), 632 South St.
Goo, Phoebe Y. J., 19, 16 (I Education), 1092 Beretania St.
Gordon, Ruby E., 41, 40 (II Education), Moana Hotel
Goto, Yoshiro, 62, 48 (II Education), Capt. Cook, Kona, Hawaii; 2201 So. Beretania St.
Greig, Robert G., 38, 47 (II Commerce), 2376 Oahu Ave.
Guild, Edith F., 20, 16 (I Lang., Lit., and Art), 2667 Oahu Ave.
Hadama, Hisashi, 4, 29 (II Commerce), Koloa, Kauai; 1710 Fort St. (Withdrew)
Halm, Marguerite L., 17, 16 (I Education), Box 178, Hilo, Hawaii; 1325-D Pua Lane
Hamamoto, Masato, 74, 48 (II Commerce), Box 70, Hilo, Hawaii; 1710 Fort St.
Hamamura, Bernice, 14, 16 (I Education), Waialua, Maui; 343 Iolani Ave.
Hamamura, Ernest K., 218, 95 (III Pre-Medical), 1495 No. Queen St.
Hamman (Mrs.), Grace C., 54, 28 (98%) (IV Education), 336-B Seaside Ave.
Harada, Miya, 26, 15 (1) (I Lang., Lit., and Art), 1728 Rocky Hill St.
Haramoto, Rupert T., 181, 94 (III Commerce), 3039 Hlei St.
Hasegawa, Margarette, 54, 40 (II Education), Hanalei, Kauai; 1132 2nd Ave.
Hashimoto, Edward Y., 34, 52 (II Education), Box 33, Hilo, Hawaii; 1710 Fort St.
Harding-Jones, (Mrs.) Dorothy S., 45, 25 (95) (IV Education), 2531 Rainbow Drive
Haughs, Janet M. M., 287, 141 (IV Education), 1445 Young St.
Hawkins, Allen R., 171, 118 (IV Pre-Legal), 1151 2nd Ave.
Hay, Mary L., 71, 57 (II Education), 1945-Y Kalua Rd.
Hayashi, Fusa, 110, 81 (III Education), Box 101, Hualaloa, No. Kona, Hawaii; 2708 Pamo Rd.
Hayashi, Sakai, 120, 110 (IV Education), Hawi, Hooa, Hawaii; 1839 Anapuni St.
Hayashi, Shigeki, 38, 47 (II Pre-Medical), Hualaloa, Hawaii; 1413 8th Ave.
Hayselden, Howard K., 70, 48½ (II Education), 3313 Mauna Loa Ave.
Hee, Yee, 15, 17 (I Commerce), 25 Kaulia St.
Hee, Young, 123, 113 (IV Commerce), 25 Kaulia St.
Heu, Helen F., 114, 57 (II Education), 1252 So. King St.
Hewitt, G. Louise, 94, 90 (6) (III Social Sciences), 3808 Sierra Ave.
Higa, Tsuru, 49, 51 (II Education), 1259 Ekaha Ave.; 2115 Atherton Rd.
Higuchi, Hiro, 21, 18 (77) (III Education), Box 314, Hilo, Hawaii; 727 Spencer St.
Hirashima, Paul T., 115, 117 (IV Education), Lahaina, Maui; 2746 Kahawai St.
Hiu, Hon Sam, 76, 77 (III Education), 35 So. Kuakini St.
Ho, Flora P., 14, 13 (I Education), 610 So. King St.
Ho, Margaret K., 16, 16 (I Education), 1809 Dole St.
Ho, Maude K. L., 35, 17 (I Education), 1444 Lunalilo St.
Hodgins, Lucille, 75, 41 (82) (IV Education), Women's Dormitory
Hollinger, Louise M., 16, 16 (I Lang., Lit., and Art), Box 3469, Honolulu
Holt, (Mrs.) Gladys Tam, 68, 54 (57) (IV Education), 2558 Kalakaua Ave.
Holt, Jeanette K., 16, 16 (32) (II Education), 2256 Metcalf St.
Holt, Lemon W., 68%, 54½ (II Education), 2558 Kalakaua Ave.
Honbo, Masaru, 84, 80 (III Education), Makaweli, Kauai; 1006-A Keaaumoku St.
Honbo, Shinobu, 8½, 15 (I Education), Makaweli, Kauai; 1006-A Keaaumoku St.
Hong, Mary S., 68, 50 (II Commerce), 1520 Fort St.
Hons, Ferdinand C., 9, 17 (I Commerce), 2279 Kamehameha Ave.
Hooper, Edmund, 63½, 37½ (II Education), Kealekekua, Kona, Hawaii;
Kamehameha Schools
Horner, Rose N., 231, 121 (IV Education), 3242 Hinano St.
Hoshino, Sumiye, 41, 55 (III Education), 380 So. Vineyard St.
Hosoi, Yuri, 50, 36 (II Education), 673 Queen St.
Hu, Henry S. C., 18½, 18 (I Education), 1757 Fort St.
Hu, James McE., 156, 102 (26½) (IV Social Sciences), 252 Ohua Ave.
Hughes, Henrietta K., 14, 12 (I Education), 1615 Wilder Ave.
Huntimer, Lillian Rae, (20) (I Social Sciences), 649 13th Ave.
Hurd, Dorothy F., 81, 48 (II Lang., Lit., and Art), 1830 Punahou St.
Hussey, Wilfred, 141, 83 (III Education), Hanalei St., Hilo, Hawaii;
1519 Pele St.
Husted, Lorraine M., 20, 17 (I Lang., Lit., and Art), 12 Dewey Court
Ichinose, Eugene T., 73, 54 (II Social Sciences), Central Y. M. C. A.
Ignacio, Norman N., 17½, 14 (I Education), Box 96, Hakalau, Hawaii;
1821 So. King St.
Ikeda, Yoshiko, 165, 122 (IV Education), 1847 Fort St.
Imamura, Teruko, 93, 83 (III Lang., Lit., and Art), 1727 Fort St.
Indie, George E., 25½, 17 (I Lang., Lit., and Art), 1716Palolo Ave.
Ing, Amy S. M., 120, 88 (III Education), 909 14th Ave.
Ing, Eunice, 23, 16 (I Education), 1749 Self St.
Ing, Leatrice 20, 16 (I Education), 1425 Kamehameha 4th Rd.
Ing, Lucile Y., 116, 80 (III Education), 3438 Hinahina St.
Ishii, Dean Y., 174, 121 (IV Education), Hanamaulu, Kauai; 610 So.
King St.
Ishii, Kazuto, 91, 81 (III Commerce), 3428 Edna St.
Ishikawa, Dorothy K. (I Education), Kealakekua, Kona, Hawaii; 1904
Komalua Drive.
Ishizaki, Misayo, 312, 122 (IV Education), Kealia, Kauai; 784 King St.
Ito, Edith T., 9, 16 (I Education), Puunene, Maui; 1071 Kinau St.
Jackson, Perdita, 17, 16 (I Education), 2575 Hamohamo Rd.
Jarrett, Genevieve M., 13, 13 (I Education), 3404 Walala Rd.
Jones, (Mrs.) Emma B., 158, 132 (IV Education), 1533 Kapiolani St.
Kaakua, Hiram J. K., 20, 16 (12) (II Social Sciences), 1805 Kalani St.
(Withdraw)
Kaaloa, Abigail K., 47, 39 (II Education), 3563 Kilauea Ave.
Kaaloa, Elizabeth, 4, 13 (I Education), 3563 Kilauea Ave.
Kaapan, Lloyd C., 14, 18½ (I Education), Naalehu, Hawaii; Men's
Dormitory
Kadota, Kinue, 27, 16 (I Education), 1240 So. King St.
Kaluakini, Kealoha N., 12, 13 (I Education), Lahaina, Maui; 1319 Emma St.
Kam, Iris Y. O. (I Education), 1039 Aala St. (Died)
Kamei, Edward S., 56, 76 (III Education), Box 140, Waimea, Kauai; 2572 Jones St.
Kanai, Lincoln Saichi, 125, 114 (IV Education), Anahola, Kauai; cor. Nuuanna and Kukui Sts.
Kaneo, Kazuma N., 126, 53½ (II Education), Box 666, Hilo, Hawaii; 1839 Anapuni St.
Kang, Miriam, 20, 16 (I Education), 1637 Kamamalu Ave.
Kaonohi, Irene M., 58, 49 (II Education), Box 16, Kilauea, Kauai; 1568 Miller St.
Karns, Roger T., 19, 16½ (50) (III Education), 375 So. Mentor Ave., Pasadena, Calif.
Kato, Shingo, 111, 86 (III Social Sciences), Wailuku, Maui; 1006-A Keeamoku St.
Katsuki, Yasuo, 115, 55 (II Pre-Medical), 1326 Keeamoku St.
Katsura, Harry H., 202, 128 (IV Education), Paia, Maui; 1839 Anapuni St.
Kauahilo, Norman, 21½, 15½ (I Education), Pearl City, Oahu; 2225 Hyde St.
Kaumeheiwa, Solomon I., 62, 49 (II Education), Waikapu, Maui; Men's Dormitory
Kayano, Kenzo, 42, 51 (II Commerce), Pahala, Hawaii; 1815 Waiola St.
Kealoha, Joseph G., 14½, 14½ (I Commerce), 533 No. School St.
Kenn, Charles Wm., 70, 73 (III Social Sciences), 1839 Anapuni St.
Keys, Elizabeth, 47, 23 (98½) (IV Education), Young Hotel
Kim, Arthur D. C., 30, 26 (II Pre-Medical), 1202 Ahiahi St.
Kim, Bernice H., 14, 16 (I Education), 1814 Puowaina Drive
Kim, Young Hee, 52½, 38½ (II Education), 3322 Hayden St.
Kimura, Ayako, 32, 16 (I Education), 2259 Hiu St.
Kimura, Fumiko, 20, 16 (I Education), Moana Hotel
Kimura, Hideo, 200, 117 (IV Education), 1324 College Walk
Kimura, Robert, 49, 51 (II Social Sciences), 471 Cooke St.
King, Eva N., 27, 15 (43½) (II Education), 2256 Kalia Rd.
King, John P., 35½, 47½ (II Social Sciences), Men's Dormitory
Klum, Otto, 55, 33 (97) (IV Lang., Lit., and Art), 2119 Rainbow Drive
Kobayashi, George T., 3, 10½ (I Social Sciences), 1626 Bingham St.
Kochi, Yutaka, 160, 117 (IV Commerce), 636 So. Hotel St.
Kolke, Mollie, 55, 49 (II Education), Holualoa, Kona, Hawaii; 1731 Liliha St.
Kojima, Daniel K., 23, 17½ (I Commerce), 3003 Waiaiala Rd.
Kojima, Inoyo, 17, 13 (I Education), 905 Sheridan St.
Kolhoff, Lottie H., 20, 13 (I Commerce), 2444 Huene St.
Komu, Shizue H., 120, 88 (III Education), Box 125, Alea, Oahu
Komuro, Harry S., 17½, 17 (I Social Sciences), 134 So. Vineyard St.
Kong, En Mol, 49, 75 (III Education), 1193 Kilauea Ave., Hilo, Hawaii; Kalulani Girls' Home
Kong, Wah Chun, 36, 33 (II Pre-Legal), 1225 Pua Lane
Konishi, Owen K., 153, 113 (IV Commerce), 1324 College Walk
Kunichika, Toshiko, 85, 78, (III Education), Box 83, Lahaina, Maui; 1616 Nuuanna St.
Kuniyuki, Edwin M., 217, 123 (IV Education), Kalialihiwai, Kauai; 4190 Waialae Ave.
Kuramoto, Fumiko, 31, 18 (I Education), 1229 Young St.
Kuramoto, Rinkoro, 48, 49 (II Commerce), 1229 Young St.
Kurihara, Thomas S., 217, 124 (IV Education), Kahului, Maui; 1839 Anapuni St.
Kusunoki, Clarence J., 13, 18 (I Nat. and Phys. Sciences), 1249 Young St.
Kuwana, Tomometsu, 14½, 17 (I Education), 12 Kahela Lane
Kwock, Charles M. C., 8½, 15½ (I Social Sciences), 1026 Nuuanu St.
Lange, Anna G., 140, 90 (25) (IV Lang., Lit., and Art), 2261 Lilitha St.
Larsen, George F., 84, 44 (II Lang., Lit., and Art), Kahana, Oahu; 3808 Paki Ave.
Lau, Elizabeth H., 23, 16 (I Education), 1803 Bingham St.
Lau, Chun Kwong, 37, 35 (II Commerce), 19 Kung Sun St., Canton, China; 1108 8th Ave.
Lau, Evelyn Y. Y., 113½, 40½ (30) (III Lang., Lit., and Art), 1511 Punahou St.
Leath, Ella Haseltine, (63) (III Lang., Lit., and Art), 2289 Kamehameha Ave. (Withdrew)
Lecker, Margaret O., 115, 49 (64) (IV Education), 2575 Jones St.
Le Clair, Eva T., 103, 46 (3) (II Lang., Lit., and Art), 2606 Anuenue St.
Lee, Beatrice N., 116, 92 (III Education), 1723 Lanakila Rd.
Lee, Benjamin A., 140, 85 (III Commerce), 2128 Kamehameha Ave.
Lee, Daisy K. T., 138, 83 (III Education), Paia, Maui; 2120 Bingham St.
Lee, James K. F., 123, 90½ (III Education), 2137 Wilder Ave.
Lee, Margaret Y. T., 20, 16 (I Education), 3765 Harding Ave.
Len, Harry B., 85, 85 (III Commerce), 1511 Kalakaua Ave.
Lennox, Duncan S., 30, 15 (32½) (II Commerce), 982 Prospect St.
Leong, Ah Jook, 19, 15 (I Education), 934 8th Ave.
Leong, Nancy Y. W., 14, 17 (I Education), 1237-B Palama St.
Leong, Phoebe M. H., 14, 16 (21) (II Lang., Lit., and Art), 2 Mei Cha Hutung, Peking, China; 1020 Isenberg St.
Li, Gladys L. O., 181, 135 (IV Lang., Lit., and Art), 52 So. Kukui St.
Ling, Edith, 173, 85 (III Education), 1130 Kapahulu Rd.
Linn, (Mrs.) Merle W., 58, 32 (110) (IV Education), 2013 Kakela Drive
Li, Arthur, 259, 129 (IV Pre-Medical), 112 School St.
Li, Eleanor Y. L., 41, 16 (I Education), 112 School St.
Liu, Flora S. T., 10, 13 (I Education), 3306 Gazette Ave.
Loo, Bernice Y. Y., 131, 63 (II Education), 1174 Young St.
Lower, Rachel D., 114, 62 (III Lang., Lit., and Art), Unsankinko, Korea; Box 2684, Honolulu
Luke, Kwai Ngan, 38, 16 (I Education), 1308 Date St.
Lum, Amoy L. H., 29, 16 (I Education), 911 9th Ave.
Lum, Amy, 97, 55 (II Education), 2037 Aih St.
Lum, Choy Tim, 198, 131 (IV Social Sciences), 855 8th Ave.
Lum, Clara K. M., 14, 16 (I Lang., Lit., and Art), 855 8th Ave.
Lum, Hung Chiu, 19, 17 (I Commerce), 1054 Kinai St.
Lum, Kam Yau, 17½, 15 (I Commerce), 1017 River St.
Lum, Richard T. F., 37, 51 (II Education), 1503-A-8 Nuuanu St.
Lum, Wa On, 1, 3 (I Commerce), Paia, Maui; 2040 Wilder Ave.
Lyman, Rebecca, 138, 87 (III Education), 17 Ewaliko Lane, Hilo, Hawaii; Women's Dormitory
Macy, Dorothy T., 5, 16 (I Education), 3144 Catherine St.
Maeda, Irving F., 12, 17½ (I Education), 1740 Lusitana St.
Maeda, Katsumi (I Education), Ewa Mill, Oahu. (Withdrew)
Maekawa, David Y., 4, 12 (I Education), Honokaa, Hawaii; No. 4 Cunha Lane, Vineyard St.
Maeno, Charles S., 36½, 43½ (II Commerce), Box E, Lihue, Kaua'i; 2120 Algaroba St.
Mallory, Mary Louise, 47, 40 (II Lang., Lit., and Art), 2036 Lanihuli Drive
Mallory, Ruth P., 84, 76 (III Lang., Lit., and Art), 2036 Lanihuli Drive
Mann, Aline, 27, 15 (45) (II Lang., Lit., and Art), 2333 Ferdinand Ave.
Manuel, Romualdo S., 1, 6½ (I Education), Binalonan, Pangasinan, P. I.; Box 74, Honolulu. (Withdrew)
Markley, (Mrs.) Helen E., 70, 43, (84) (IV Education), 1122 Pawaa Lane
Marques, Adaline A., 136, 82 (III Education), 3366 Keau St.
Marr, Marian, 20, 16 (I Education), 3144 Aika Ave.
Marshall, Wendell H., 55, 48½ (II Pre-Legal), Easton, Maryland; 3002 Kalakaua Ave.
Martin, Marion R., 138, 71 (IV Lang., Lit., and Art), Fort Kamehameha Boys' School
Martinson, Martin, 53½, 37½ (II Education), Kamehameha Boys' School
Masuda, Morio, 70, 82 (III Pre-Medical), Box 551, Wailuku, Maui; 1239 So. King St.
Matsuki, Shizuko, 83, 48 (II Education), 340 No. School St.
Matsushima, Toshio, 157½, 92½ (III Education), Box 411, Haiku, Maui; Box 994, Honolulu
Mau, Kim Oi, 80, 88 (III Education), 2937 Kalakaua Ave.
McCaelley, Muriel A., 32, 16 (I Education), 1322 Kinai St.
 McGregor, Louise A., 19, 15 (64) (III Education), 95 Kukui St.
McGregor, Marion F. K., 19, 16 (I Education), 95 Kukui St.
McInerney, Gertrude K., 25, 13 (Commerce), Kahala
McKenney, Donald M., 78, 58 (II Social Sciences), 2934 Loomis Ave.
McKenney, Marian L., 41, 45 (II Lang., Lit., and Art), 2934 Loomis Ave.
McKenzie, Meriel M., 26, 16 (I Education), 1749 Self Lane, Kalihi
McLean, Colin J., 27, 42 (II Commerce), 959 11th Ave.
McLean, Janet W., 63, 49 (II Lang., Lit., and Art), 3110 Manoa Road
McLean, Robert J., 0, 7½ (I Commerce), 3002 Hibiscus Drive
McMahon, Patricia, 29, 16 (I Education), 2346 Ferdinand Ave.
McPike, (Mrs.) Gene W., 126, 54 (II Education), 2745 Manoa Rd.
Medcalf, Geraldine C., 22, 16 (I Commerce), 2614 Oahu Ave.
Mihata, Eleanor T., 59, 48 (II Education), Box 126, Kohala, Hawaii; 2322 Atherton Rd.
Miller, Gordon P., 21½, 12½ (34) (II Commerce), 250 Upton Ave., Reed City, Michigan; 2065 Lanikuhui Drive
Mimura, Sanечika, 189, 121 (IV Social Sciences), 620 Waiakamilo Rd.
Minami, Mondo K., 37, 44 (II Commerce), Laie, Oahu; 1518 Walola St.
Mirkitani, Carla H., 75, 53 (II Education), 1788 Ala Moana Rd.
Mitsuka, Roy M., 90, 53 (II Education), 106 Kamehameha Ave., Hilo, Hawaii; 2389 Beckwith St.
Mitsukado, Andrew M., 66, 86 (III Commerce), 2050 Young St.
Miyazaki, Fuji D., 112, 84 (III Lang., Lit., and Art), Holualoa, Kona, Hawaii; Mid-Pacific Institute
Miyoshi, Isamu, 78, 51 (II Education), 3639 Kepuhi Ave.
Mizutani, Kenji, 23½, 17 (I Commerce), 816 Sheridan St.
Moe, Kilmer Oscar, 116, 45 (64) (IV Education), Kamehameha Schools
Moe, (Mrs.) Mable Lane, 86, 47 (78) (IV Education), Kamehameha Schools
Monden, Tamao, 101, 54 (II Social Sciences), Laupahoehoe, Hawaii; 2037 No. King St.
Monroy, Marceline L., 20, 16 (I Lang., Lit., and Art), Box 58, Ewa, Oahu; 2015 Oahu Ave.
Moo, Lydia Y. F., 182, 97 (III Education), 1040 6th Ave.
Moodle, Mary, 67, 52 (II Education), Pala, Maui; Women's Dormitory
Mookini, Dorothy K. R., 8, 10 (I Education), Lahaina, Maui; 597 King St.
Moore, Allen R., 110, 87 (31) (IV Social Sciences), 2346 Manoa Rd.
Moore, Anne M., 196, 118 (IV Education), 1332 Awea Drive
Moriguchi, Jiro J., 141, 120 (IV Commerce), 1311 Lusitana St.
Morimoto, Florence E., 61, 48 (II Education), Box 43, Waimea, Kauai; 2114 Wilder Ave.
Morimoto, Shizuko, 232, 95 (III Education), 2310 Bingham St.
Morinaga, Kenneth H., 75, 48 (II Education), Lahaina, Maui; 1839 Anapuni St.
Morishige, Toshio, 39, 47 (II Education), Waimea, Kauai; 1710 Fort St.
Mossman, Hortense M., 72, 50 (II Lang., Lit., and Art), 419-A Wyllie St.
Motoyama, Jiro, 26½, 17 (I Education), Kilauea, Kauai; 610 So. King St.
Murakami, Harry Y., 145, 126 (IV Education), 2544 So. Beretania St.
Murakami, Wallace L., 79, 85 (III Education), Lahaina, Maui; 1020 Kapolei St.
Muroda, Betty, 63, 48 (II Education), Box 58, Honomu, Hawaii; 2553 So. King St.
Murray, Wilhelmina, 103, 51 (II Education), Kohala, Hawaii; 1319 Emma St.
Nagano, Masaru, 76, 51 (II Commerce), 429 No. King St.
Nahale-a, Albert P., 29, 15 (I Education), Kamuela, Hawaii; 1122 1st Ave.
Nakagami, Yaeko, 23, 16 (I Education), 841 No. Custer Ave.
Nakagawa, Shizuko, 109, 55 (II Education), 713 South St.
Nakagawa, Yasuko, 17, 16 (I Education), Walluku, Maui; 1215 Young St.
Nakai, Masuo, 28, 45 (II Social Sciences), 779-E Lunalilo St.
Nakamura, Setsuko, 128, 85 (III Education), 2035 Ohai Lane
Nakamura, Torako, 98, 76 (III Education), Box A 56, Honokaa, Hawaii; 884 No. King St.
Nakamura, Yukino, 56, 52 (II Education), Box 456, Hilo, Hawaii; 1071 Kinau St.
Nakano, Shizuko, 35, 16 (I Education), Hamakuaopoko, Maui; 1224 Wilhelmina Rise
Nakao, James S., 11½, 14 (I Education), Makaweli, Kauai; 1710 Fort St.
Nakashima, Howard G., 63, 74 (III Education), Hanaapepe, Kauai; 855 11th Ave.
Namahoe, Dorothy O., 168, 91 (III Education), 117 Kalanianaole Ave., Hilo, Hawaii; 1719 Kahanu St.
Nashiwa, Martha F., 10, 15 (I Education), Paia, Maui; 1071 Kinau St.
Natsui, Dorothy S., 27, 17 (I Education), Kahului, Maui; 1224 Wilhelmina Rise
Nelsson, Caroline M., 64 (III Lang., Lit., and Art), U. S. Naval Hospital, Pearl Harbor
Nelsson, Mary C., 12 (I Lang., Lit., and Art), U. S. Naval Hospital, Pearl Harbor
Nero, Mildred M., 105, 78 (III Education), 2003 Waterhouse St.
Newport, Beatrice R., 113, 88 (III Lang., Lit., and Art), Palm Lodge
Nip, Gertrude M. E., 45, 25 (III Education), 1623 Fort St.
Nishizaki, Masayoshi H., 18½, 12 (I Education), Pepeekeo, Kailua, Hawaii; 1661 Kewalo St.
Nobriga, Arthur F., 46, 39 (II Commerce), 1094 So. King St.
Nobriga, Theodore F., 52, 46 (II Commerce), 3427 Pehu St.
Nomura, Paul T., 2½, 8 (I Education), Moanalua Service Station
Nukaga, Makoto, 211, 94 (III Social Sciences), 610 So. King St.
Nye, Margaret E., 12, 12 (II Lang., Lit., and Art), Covina, Calif.; 2289 Kamehameha Ave.
Ogawa, Wilfred T., 61, 56 (33) (III Education), 2320 Young St.
Oka, Richard T., 71, 46 (II Education), Mt. View, Hawaii; 610 So. King St.
Okamachi, Agnes M., 157, 83 (III Education), Kealakekua, Hawaii; Kailua Girls' Home
Okamoto, Kiyoso, 56, 78 (III Commerce), Paia, Maui; 872 Mission Lane
Okamura, Earle Y., 111, 83 (III Commerce), 486-A Kuakini St.
Okano, Seikichi, 16, 9½ (I Commerce), 858 6th Ave.
Okimura, Harumi, 96, 48 (II Education), Box 106, Hilo, Hawaii; 2346 Manoa Rd.
Okimura, Kenji, 90, 83 (III Social Sciences), Manoa Japanese School
Okimoto, Masao, 101, 93½ (III Commerce), Kapaakeo, Moiliili; Box 1002, Honolulu
Okumura, Harumi, 96, 48 (II Education), Box 106, Hilo, Hawaii; 2346 Manoa Rd.
Okumura, Kenji, 90, 83 (III Social Sciences), Manoa Japanese School
Ome, Moses, 35, 47½ (II Social Sciences), 3442 Wela St.
Oshiro, Wallace K. (I Commerce), Koloa, Kauai; 1747-E Algaroba St.
(Withdrawn)
Osumi, Paul S., 191, 126 (IV Social Sciences), 610 So. King St.
Ota, Maizie K., 5, 14 (I Education), Box 1153, Hilo, Hawaii; Box 2370, University Highway
Otaguro, Wallace H., 142, 87 (III Education), 625-E Kunawai Lane
Otani, Tokumi C., 23, 25 (I Commerce), Box 27, Kaumana, Hilo, Hawaii; 1909 Ulu Lane, Funchal St.
Ozawa, Dorothy, 196, 85 (III Education), 3737 Mahina Ave.
Pang, Bertha K. L., 31, 17 (I Education), 1409-C Cunha Lane, No. 4
Pang, Robert, 38, 41 (II Social Sciences), 175 No. Beretania St.
Park, (Mrs.) Ina Moon, 29, 16 (64) (III Education), School St.
Park, Sam Young, 4, 9 (I Pre-Medical), Box 271, Hilo, Hawaii; 610 So. King St.

Parker, Alexander K., 195, 108 (IV Education), 889 Kanoa St.
Paro, (Mrs.) Nancy Hall, 138, 86 (27) (IV Lang., Lit., and Art), 2454 Roeke Ave.

Pilch, Winifred Q., 20, 16 (I Education), 839 7th Ave.
Plutti, Gertrude E., 132, 59 (64) (IV Education), 1630 Clark St.
Plunkett, Wm. H. K. (I Education), Laie, Oahu. (Withdraw)
Porteous, Hebden, 43½, 17 (I Pre-Legal), 2620 Anuenue St.
Pratt, Kenneth J., 61, 88½ (II Commerce), 2048 Nuuanu Ave.
Pruyn, Isabel M., 45, 37 (II Education), 2979 Kalakaua Ave.
Pung, Elizabeth N. L., 22, 44 (II Education), 3223 Harding Ave.
Puohau, James, 13½, 15 (I Education), Hilo, Hawaii; 2542 Kanela Rd.
Quon, Elizabeth K. C., 29, 16 (24½) (II Education), 23 McGrew Lane
Reese, Angelica K., 92, 79 (III Education), 3221 Duval St.
Rego, Dora L., 9, 15 (Education), Wailuku, Maui; 1357 Wilhelmina Rise
Rinard, Helen G., 25, 18 (87) (IV Education), Luke Field
Robbins, Willsa, 65, 26 (II Nat. and Phys. Sciences), 4161 Black Point
Robinson, Wilhelmina T., 66, 48 (II Education), 1118 Hassinger St.
Rogers, Vance, 44, 17 (96) (IV Commerce), Chicago, Illinois; 1018 Keaioalu Ave.
Saigo, Yoshito, 79, 68 (III Pre-Legal), Box 47, Hilo, Hawaii; 1821 So. Beretania St.
Sakoda, Horace M., 13, 15½ (I Commerce), Lihue, Kauai; 747 So. King St.
Sam, Nora, 53, 48 (II Education), Waianae, Oahu; 959 No. King St.
Santoki, Saburo, 105, 90 (III Education), Box 28, Aiea, Oahu
Sasaki, Ralph K., 13, 11 (I Lang., Lit., and Art), Ewa, Oahu; 1239 So. King St.
Sasaki, Tsutomu, 168, 87 (III Education), 2556 Cartwright Rd.
Sato, Francis H., 189, 126 (IV Education), Pearl City
Register of Students

Sato, Robert M., 63, 49\(\frac{1}{2}\) (II Education), 801 Koua St.
Sato, Yutaka, 131, 84 (III Commerce), Lahaina, Maui; 1004 17th Ave.
Saxon, (Mrs.) Fern W., 24, 13 (105) (IV Education), Fernhurst
Schausten, (Mrs.) Mildred T., 19, 11 (74) (III Education), Aiea, Oahu
Schonhard, Helen, 42, 31 (110) (IV Education), 2185 Helumoa Rd.
Schwallie, Hortense M., 78, 48 (II Education), 935 10th Ave.
Scott, Ethan A., 33, 18\(\frac{1}{2}\) (I Nat. and Phys. Sciences), 1204 Lunainlo St.
Seki, Fumi, 26, 16 (I Education), Honokohau, Maui; 1616 Nuuanu Ave.
Sekido, Ronald T., 41, 42\(\frac{1}{2}\) (II Commerce), Box 217, Hilo, Hawaii; 1710 Fort St.
Serrao, Alfred G., 116, 114 (IV Education), Box 674, Hilo, Hawaii; 1735 Anapuni St.
Seto, Isao, 194, 118 (IV Commerce), Box 119, Waimea, Kauai; 1839 Anapuni St.
Seto, Jacqueline, 30, 49 (II Education), Hanapepe, Kauai; 1943 Young St.
Shepherd, Carolyn W., 193, 86 (III Lang., Lit., and Art), 1808 Punahou St.
Shepherd, Elizabeth M., 49, 19 (I Lang., Lit., and Art), 1808 Punahou St.
Shimada, Teruko, 112, 53 (II Education), Box 72, Puunene, Maui; 1727 Fort St.
Shingle, Robert W., 34, 48\(\frac{1}{2}\) (II Commerce), 859 Ocean View Drive
Shinyama, Lester M., 25, 44 (II Pre-Dental), Haiku, Maui; 1701 Lusitana St.
Silva, David, 87, 69 (III Education), 1224 Lisbon St.
Simerson, Rose K., 23, 18 (I Education), 1457 Auld Lane
Sisson, Ellen H., 149, 91 (39) (IV Social Sciences), Aiea, Oahu
Skog, Eloise C., 49, 45 (II Education), 3934 Harding Ave.
Smith, (Mrs.) Clara L., 60, 31 (49) (III Education), 3753 Sierra Drive
Smith, Donald C., 75\(\frac{1}{2}\), 78\(\frac{1}{2}\) (III Education), Kalama and Kam, IV Rds.
Smith, Lois L., 12, 12 (23) (II Lang., Lit., and Art), 8610 So. Western Ave., Los Angeles, Calif.; 2190 Helumoa Rd.
Smith, Louise L. V., 22, 17 (24) (II Lang., Lit., and Art), 109 Temple Ave., Temple, Calif.; Women's Dormitory
Smith, Thelma E., 41, 18 (I Education), 2108 Oahu Ave.
Spillner, Bertha, 24, 16 (I Education), 2157 Liliha St.
Spillner, Ernest, 146\(\frac{1}{2}\), 91\(\frac{1}{2}\) (III Education), 2157 Liliha St.
Springer, Louis F., 24\(\frac{1}{2}\), 17 (I Commerce), 2128 Armstrong St.
Sproat, Mary, 125, 51 (II Education), 920 11th Ave.
St. Sure, Frank, 72, 68 (III Nat. and Phys. Sciences), Haiku, Maui; 1747 Wilder Ave.
St. Sure, George F., 45, 43 (II Education), Halku, Maui; 1747 Wilder Ave.
St. Sure, Robert E., 37, 40 (II Education), Halku, Maui; 1747 Wilder Ave.
Suehiro, James E., 110, 79 (III Social Sciences), Middle St.
Suga, Shino, 24, 38 (II Education), Lawai, Koloa, Kauai; 1071 Kinau St.
Sun, Kam Oi, 161, 121 (IV Education), 2525 Rooke Ave.
Suzuki, (Mrs.) Asako K., 103, 87 (III Education), 1682-Q Philip St.
Suzuki, Shinichi, 125, 87 (III Commerce), Kahuku, Oahu; 610 So. King St.

Tahara, Alice S., 106, 50 (II Education), 1847 Fort St.

Tai, Pauline, 10, 15 (I Education), 1575 Frear St.

Takakawa, Judith Y., 41, 16 (64) (III Education), 1820 Kohala Ave.

Takamura, Tsuyoshi, 66, 42 (II Commerce), 1518-A Hiram Lane

Takeda, Doro, 49, 46 (II Social Sciences), 1710 Fort St.

Takeshima, Kasumi, 90, 48 (II Lang., Lit., and Art), 9 Miles, Olaa, Hawaii; 2553 So. King St.

Takeuchi, Yuichi, 35, 42 (II Lang., Lit., and Art), 650 No. King St.

Tam, Richard K., 25, 17 (I Education), Box 102, Makawao, Maui; 1401 Kewalo St.

Tamashiro, Hatsuko, 23, 16 (I Education), Lawai, Koloa, Kauai; 1420-E Auld Lane

Tamashiro, James S., 66, 69 (III Education), Box 89, Waihina, Kauai; 610 So. King St.

Tamura, Matsuko, 64, 40 (64) (IV Education), 285 No. Kukui St.

Tanaka, Manabu, 31, 33 (II Education), Paia, Maui; 1239 So. King St.

Tanaka, Thomas N., 82, 93 (IV Education), Kekaha, Kauai; 1246 So. King St.

Tanimoto, Thomas F., 217, 116 (IV Education), 1039 Fifth Ave.

Tasaki, Mitsue, 48, 34 (II Education), 827 17th Ave.

Taylor, Samuel F. (I Commerce), Kahului, Maui; 1630 Makiki St.

Tenn, Ida, 28, 32 (II Education), Hau, Hawaii; 1927 Coyne St.

Thomas, Cardinal K. (I Nat. and Phys. Sciences), Box 62, No. Kohala, Hawaii; 1741 Young St. (Withdrew)

Thomas, Frances, 27, 31 (II Education), Lihue, Kauai; Women's Dormitory

Thompson, Grace, 11, 17 (I Education), 2521 Rose St.

Ting, (Mrs.) Beatrice Loui, 84, 42 (70) (IV Education), 1555 Fort St.

Toishigawa, Ellis H., (64) (III Education), 105 Waipa Lane

Tokushige, Eddie M. (I Education), Heeia, Oahu; 1516 Evelyn St.

Tom, Stanley Y. K., (I Commerce), 372 Kukui St.

Tominaga, Torao, 15, 18 (I Nat. and Phys. Sciences), 1839 Anapuni St.

Travis, (Mrs.) Ruth H., 130, 59 (66) (IV Education), 1519-B Wilder Ave.

Tseu, Solomon Y. P., 133, 119½ (IV Social Sciences), 1343-B Kinu St.

Tsubaki, Kyoko, 213, 132 (IV Education), Nuuanu Japanese Church.

Tsugawa, Haruyo, 89, 72 (III Education), Box 54, Kurtistown, Hawaii; 2156 Atherton Rd.

Tsui, Silk K., 24, 37 (II Social Sciences), 1308 Fort St.

Tsushima, Jukichi, 135, 111 (IV Lang., Lit., and Art), 732 Winant St.

Tyaun, Albert, 84, 85 (III Education), 1311 Waialae Ave.

Tyaun, Charles K. N., 17½, 17 (I Commerce), 31 Pawale Lane

Uchimura, Masayuki, 110, 87 (III Education), 610 So. King St.

Uemura, Hazel M., 62, 43 (II Education), 2856 Kimo Ave.

Uyeda, Alfred A., 138, 88 (III Commerce), 2218 Star Rd.

Uyehara, Yuko, 132, 82 (III Social Sciences), 1822 Nuuanu St.

Vannatta, Alice E. N., 12, 9 (I Education), 1214 McCully St.

Vannatta, Eric K. P., 48, 35 (II Education), Kailua, Oahu; Terr. Auditing Dept., Honolulu.
<table>
<thead>
<tr>
<th>Name</th>
<th>Age</th>
<th>Year</th>
<th>Major</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wade, Herbert A.</td>
<td>50</td>
<td>23</td>
<td>(IV Education)</td>
<td>Pauwela, Maui; 1839 Anapuni St.</td>
</tr>
<tr>
<td>Wakayama, Jack K.</td>
<td>113</td>
<td>87</td>
<td>(III Social Sciences)</td>
<td>Kohala, Hawaii; No. 5 Cunha Lane, Vineyard St.</td>
</tr>
<tr>
<td>Watanabe, Ikuo</td>
<td>9</td>
<td>15</td>
<td>(I Social Sciences)</td>
<td>Walluku, Maui; 1839 Anapuni St.</td>
</tr>
<tr>
<td>Watanabe, Sueo</td>
<td>10½</td>
<td>13½</td>
<td>(I Social Sciences)</td>
<td>Walluku, Maui; 2728 Koaniani Way</td>
</tr>
<tr>
<td>Watt, William G.</td>
<td>20½</td>
<td>17</td>
<td>(I Commerce)</td>
<td>Oiaa, Hawaii; Men's Dormitory</td>
</tr>
<tr>
<td>Weber, Fred W.</td>
<td>38</td>
<td></td>
<td>(II Education)</td>
<td>Mana, Kauai; Men's Dormitory</td>
</tr>
<tr>
<td>Wilcox, Eleanor K.</td>
<td>66</td>
<td>55</td>
<td>(IV Education)</td>
<td>Honolulu; Box 2638, 1522 Hastings St.</td>
</tr>
<tr>
<td>Wilton, Catherine L.</td>
<td>31</td>
<td>16</td>
<td>(I Lang., Lit., and Art)</td>
<td>Maui; 1119 7th Ave.</td>
</tr>
<tr>
<td>Williams, Ivy</td>
<td>29</td>
<td>13</td>
<td>(I Lang., Lit., and Art)</td>
<td>Wilhelmina Rise; 1003 11th Ave.</td>
</tr>
<tr>
<td>Williams, Sylvia H.</td>
<td>7</td>
<td>14</td>
<td>(I Lang., Lit., and Art)</td>
<td>Wailuku, Maui; 1839 Anapuni St.</td>
</tr>
<tr>
<td>Williams, Ventnor G.</td>
<td>96</td>
<td>61</td>
<td>(III Education)</td>
<td>Honolulu; 2722 Liliha St.</td>
</tr>
<tr>
<td>Wilson, Mae C.</td>
<td>16</td>
<td>13</td>
<td>(I Commerce)</td>
<td>Hakalau, Hawaii; Women's Dormitory</td>
</tr>
<tr>
<td>Wise, John</td>
<td>13½</td>
<td>8</td>
<td>(I Education)</td>
<td>1910 Fort St.</td>
</tr>
<tr>
<td>Wong, Ambrose M. C.</td>
<td>81</td>
<td>43</td>
<td>(II Education)</td>
<td>Manoa Rd.</td>
</tr>
<tr>
<td>Wong, Daniel B. L. S.</td>
<td>12½</td>
<td>15</td>
<td>(I Pre-Legal)</td>
<td>Wailuku, Maui; 1119 7th Ave.</td>
</tr>
<tr>
<td>Wong, Edward Y. S.</td>
<td>23</td>
<td>51</td>
<td>(II Commerce)</td>
<td>Paia, Maui; 1403 Farrington St.</td>
</tr>
<tr>
<td>Wong, Eleanor K. C.</td>
<td>15</td>
<td>13</td>
<td>(III Education)</td>
<td>Paia, Maui; 1403 Farrington St.</td>
</tr>
<tr>
<td>Wong, Hong Sin</td>
<td>59</td>
<td>45</td>
<td>(II Education)</td>
<td>Honolulu; Box 140, 1403 Farrington St.</td>
</tr>
<tr>
<td>Wong, John Y. T.</td>
<td>40</td>
<td>41</td>
<td>(II Commerce)</td>
<td>Auld Lane</td>
</tr>
<tr>
<td>Wong, Maria K.</td>
<td>234</td>
<td>134</td>
<td>(IV Education)</td>
<td>Akoko Lane</td>
</tr>
<tr>
<td>Wong, Robert Heen</td>
<td>29</td>
<td>24</td>
<td>(II Social Sciences)</td>
<td>Wailuku, Maui; 2020 Dole St. (Withdrawn)</td>
</tr>
<tr>
<td>Wong, Violet Y. N.</td>
<td>10</td>
<td>12</td>
<td>(I Education)</td>
<td>Auld Lane</td>
</tr>
<tr>
<td>Wong, You Wah</td>
<td>108</td>
<td>58</td>
<td>(II Education)</td>
<td>Liliha St.</td>
</tr>
<tr>
<td>Wong-Leong, Margaret</td>
<td>36</td>
<td>17</td>
<td>(III Education)</td>
<td>Kuliouou</td>
</tr>
<tr>
<td>Wright, Martha Z.</td>
<td>140</td>
<td>115</td>
<td>(IV Education)</td>
<td>Honolulu; 2162 Atherton Rd.</td>
</tr>
<tr>
<td>Yamamoto, Yukiso</td>
<td>27</td>
<td>14½</td>
<td>(I Commerce)</td>
<td>Fort St.</td>
</tr>
<tr>
<td>Yamano, Harold H.</td>
<td>123</td>
<td>116</td>
<td>(IV Commerce)</td>
<td>Honolulu; 1413 So. King St.</td>
</tr>
<tr>
<td>Yamauchi, Shizue</td>
<td>14</td>
<td>16</td>
<td>(I Education)</td>
<td>Koloa, Kauai; 901 McCully St.</td>
</tr>
<tr>
<td>Yanaga, Oliver K.</td>
<td>136</td>
<td>115</td>
<td>(IV Education)</td>
<td>Kealakekua, Hawaii; 634 Coral St.</td>
</tr>
<tr>
<td>Yap, Alice Y. L.</td>
<td>29</td>
<td>16</td>
<td>(I Education)</td>
<td>Wilder Ave.</td>
</tr>
<tr>
<td>Yap, Florence Y. T.</td>
<td>157</td>
<td>120</td>
<td>(IV Education)</td>
<td>Pauwela, Maui; Mid-Pacific Institute, Kawahalao Bldg.</td>
</tr>
<tr>
<td>Yap, Hannah L. J.</td>
<td>48</td>
<td>52</td>
<td>(II Education)</td>
<td>Waialae Rd.</td>
</tr>
<tr>
<td>Yee, Daniel Yun</td>
<td>21</td>
<td>14½</td>
<td>(I Social Sciences)</td>
<td>Pauwela, Maui; 1225 10th Ave.</td>
</tr>
<tr>
<td>Yee, Elsie</td>
<td>96</td>
<td>59</td>
<td>(III Social Sciences)</td>
<td>Kewalo St.</td>
</tr>
<tr>
<td>Yee, Lizzie T. T.</td>
<td>14</td>
<td>13</td>
<td>(I Education)</td>
<td>Kohala, Hawaii; Kaulani Girls' Home</td>
</tr>
</tbody>
</table>
Yee, Samuel L., 116, 52 (76) (IV Pre-Medical), 1225 10th Ave.
Yee, David, 20%, 18 (I Social Sciences), 1401 Kewalo St.
Yoshida, Shigeo, 299, 126 (IV Education), Box 130, Hilo, Hawaii; c/o Pan-Pacific Research Institute
Yoshizawa, Toku, 185, 90 (III Education), 1952 Young St.
Young, Alicia, 65, 43 (II Education), 1901 Fort St.
Young, James H., 48, 35 (II Social Sciences), 17 Tung Moon St., Sheck-Ki, Canton, China; 1524 Emma St.
Young, Kenneth E., 26%, 43% (II Pre-Legal), 2028 Makiki St.
Young, Lily B. L., 35, 16 (I Education), Box 342, Hilo, Hawaii; 1502 Farrington St.
Yuen, Kam In, 17, 16 (I Commerce), 1155 Young St.
Yuen, Margaret Y. C., 26, 16 (I Education), 56 Kukui St.
Zen, Shay Pin, 241, 103 (18) (IV Education), Cor. Piikoi and King Sts.
Zen, Shay Yung, 90, 50 (II Education), Cor. Piikoi and King Sts.

STUDENTS CARRYING A LIMITED PROGRAM

Aaser, Hazel M., Kekaha, Kauai
Abe, Kiri, Box 311, Hilo, Hawaii; 2421 Ala Wai Boulevard
Adams, (Mrs.) Loma A., 2431-A Alawai Blvd.
Affonso, (Mrs.) Emily S., 1415 Liholiho St.
Ahlo, (Mrs.) Irene Isaac, 2002 Pahukui St.
Ahn, Soon Nahm, B.S., Waimea, Kauai
Ai, (Mrs.) Olive H. D., 1266 Ekaha Ave.
Aipoalani, Lizzie K., Kekaha, Kauai
Akana, (Mrs.) Thelma Moore, 1570 Alewa Drive
Akina, (Mrs.) Priscilla C., 1405 Griffiths St.
Ako, Alyce C., 148 So. School St.
Alexander, Alice K., A.B., 3744 Maunaloa Ave.
Among, (Mrs.) Lena K., 1902-A Beckley St.
Anderson, Rowena E., B.S., M.A., Kamehameha Schools
Andrade, (Mrs.) Flora N., Haku, Maui
Arnold, Alta, A.B., 836 17th Ave.
Astelford, Elsie, 730 17th Ave.
Au, Chung Wo, Wahiawa, Oahu
Au Hoy, Esther, Pauwela, Maui; 152 Lilhi St.
Baker, Ray J., 1911 Kalakaua Ave.
Baldwin, Robert I., B.A., Box 993, Hilo, Hawaii
Beck, Martha R., A.B., 1612 Dole St.
Beck, Pearl Lee, 150 Kaulani St., Hilo, Hawaii
Beier, Alice A., 226 Lewers Rd.
Bell, Alice, 1020 Koko Head Ave.
Belt, William E., B.S., McKinley High School
Benner, (Mrs.) Leonor D., B.A., 2843 Nuuanu Ave.
Betters, Mary T., 1133 11th Ave.
Beveridge, Kathryn, 2435-B Alawai Blvd.
Bluett, Treva, 1712 Poki St.

*These are for the most part mature people, many of them teachers in service, who, because of regular duties, are unable to carry a full time program of University work, but who are continuing their studies along the lines of their interests.
Bockus, Beatrice S., School for the Deaf and Blind, Honolulu
Bowman, Nina, B.A., 2723 Aolani St.
Bowman, Roy C., B.S., 2804 Waolani Ave.
Brewer, (Mrs.) Lela R., 811 18th Ave.
Bronson, Marion, B.A., Country Club Road
Brown, Mariah N., Wailuku, Maui
Brunk, Elmer D., B.A., Hilo, Hawaii
Bulger, Etta F., 274 Lewers Rd.
Butler, Jacob P., B.A., M.A., Hamakuaokpo, Maui
Burt, Andrew W., C.D.A., N.D.D., Punahou Farm, 18th Ave.
Buscheck, Alfred J., B.A., LL.B., Box 2741
Butler, George M., Box 57, Waipahu, Oahu
Buyama, Edward, B.A., 2307-A Liko Lane
Calmes, Harriet M., Haiku, Maui
Calmes, Marquis F., B.A., Haiku, Maui
Cameron, (Mrs.) Elizabeth S., 1725 Dole St.
Campbell, (Mrs.) Dorothy F., 2287 Kamehameha Ave.
Canaday, Lotty V., Beach Walk Inn
Carlson, Muriel A., B.S., 337-A Lewers Ave.
Catton, Alice M., B.S., 980-A Spencer St.
Cawdrey, Emma Lou, Hamakuaokpo, Maui
Chang, Grace Liu, 935 7th Ave.
Chang, Harry Hon, 1436-D Lunallilo St.
Chang, Kung Kai, 1526 Kamehameha Ave.
Chapell, Harriet, Ph.B., 1526 Keeaumoku St.
Char, Charles C., 1599 Kamehameha 4th Rd.
Chillingworth, Elsa K., 2269 Kamehameha Ave.
Chilson, Mabel F., 1022 Kilauea Ave., Hilo, Hawaii
Ching, (Mrs.) Amy F., 1004 6th Ave.
Ching, Harold W., Kapaa, Kauai
Ching, Hung Wai, B.S., 231 Dole St.
Chong, Nyuk Yin, B.A., 1313 McCully St.
Chun, Amy Wong, 3232 Monsarrat Ave.
Chun, Kong Fat, 1826 So. Beretania St.
Chun, Wai Sue, B.A., M.A., 1050 So. Beretania St.
Chung, Helen A. K., 2664 Puunui Ave.
Chung, (Mrs.) Mary A., 817 10th Ave.
Chung-Hoon, Marie, 3262 Waialae Rd.
Clague, Marietta, 284-B Kaiulani Ave.
Clarke, (Mrs.) Adna G., 2125 Armstrong St.
Coble, Fern L., B.A., Weiser, Idaho; Lihue, Kauai
Coleman, Myrtle, Library of Hawaii
Cooke, (Mrs.) Charlotte McL., Peninsula, Oahu
Cooley, (Mrs.) Bertha, Waialua
Cooper, (Mrs.) Florence, 2316 Oahu Ave.
Cooper, Marguerite F., 1215 8th Ave.
Cooper, William H., Haiku, Maui
Corbaley, Frances F., 830 18th Ave.
Corby, (Mrs.) Lulu, 2910 Cocoaanut Ave.
Cowan, Charlotte, 147 Kealohllani Ave.
Coxhead, (Mrs.) Anna L., 1932 Awapuhi St.
Crawford, (Mrs.) Catherine B., 919 12th Ave.
Crawford, (Mrs.) Gladys Ruth, Waialua, Oahu
Crawford, Joe E., Waialua, Oahu
Crockett, (Mrs.) Ida H., 1807 Liliha St.
Davis, Ruth W., Haku, Maui
Dean, (Mrs.) Leora P., 2225 Hyde St.
Deinert, Agnes K., Wailuku, Maui
De Mello, (Mrs.) Louise, 801 Judd St.
Deverill, Florence K., 2172 Atherton Rd.
Donald, Violet C., Kekaha, Kauai
Dotts, Cecil K., B.A., Lindsay, Cal.; Lihue, Kauai
Dow, (Mrs.) Gertrude F., Moana Hotel
Driver, (Mrs.) Agnes P., Alohalani Hotel
Dyson, Clarence B., Makawao, Maui
Duncan, Harry F., Ewa, Oahu
Eldredge, Marie H., A.B., Ewa, Oahu
Emerson, Evelyn, B.S., Brattleboro, Vt.; Waikiki, Maui
Emmett, Cordelia M., Waitsburg, Wash.; 726 Green St.
Farden, Bernard N., 601 Kapahulu Ave.
Farden, Carl A., B.S., 2306 Marques St.
Faulconer, (Mrs.) Grace, 1430 Pukelolu St.
Faulkner, Dorothy M., A.B., 276 Beach Walk
Feiteira, Thomas, Hamakua, Maui; 848 So. Queen St.
Fernandez, Helen P., Box 23, Makawao, Maui
Field, Edith V., B.A., 2050 Kamehameha Ave.
Field, Marion K., 2050 Kamehameha Ave.
Finn, Lottie, A.B., Box 1126, Hilo, Hawaii
Fitzgerald, Kathryn A., Jamaica, N. Y.; 1080 Alewa Drive
Foss, (Mrs) Irene C., Hamakua, Maui
Foster, Francis H., Kamalo, Molokaí; 3610 Bethshan Rd.
Fowlke, Dorothy M., A.B., 276 Beach Walk
Fradin, Margaret, Hamakua, Maui; 848 So. Queen St.
Francis, Mildred, 226 Lewers Rd.
Franson, Catherine E., 1639 Liholiho St.
Franson, Ethel M., B.A., 1639 Liholiho St.
Franson, Marion W., 1639 Liholiho St.
Fraser, Juliette M., B.A., 2733 Terrace Drive
Freitas, Henrietta, 1415 Lauhala St.
Fresen, Nora Y., 2153 Eluwene St.
French, Ann S., Coral Crest Apts., Kauhi Ave.
Fressle, Ruth M., Castle Hall, Punahou
Frisbee, Naoma, 234-F Lewers Rd.
Fung, Charles T., 1718 Young St.
Furukawa, Thomas, Waikiki, Maui
Gallagher, (Mrs.) Mabel W., 1435 Fort St.
Gantt, A. Janet, 1522-F Hastings St.
Geiser, (Mrs.) Cynthia B., B.A., M.A., 2418 Ferdinand Ave.
German, Helen G., 2468 Tusitala St.
Gonsalves, (Mrs.) Ella R., 2714 Anuenue St.
Goo, Frances K., 310 School St.
Goo, Mabel, A.B., 1448 Wilder Ave.
Gordon, (Mrs.) Mildred V., Ph.B., Wailuku, Maui
Register of Students

Gordon, Walton, B.A., Wailuku, Maui
Graham, (Mrs.) Katharine B., B.A., 2646 Oahu Ave.
Greig, Edith H., B.S., 2376 Oahu Ave.
Green, Loleta D., B.A., Hamburg, Ia.; 24 Kanoa St., Hilo, Hawaii
Griswold, Charles J., B.S., Hilo, Hawaii
Gross, Onel L., Central Y. M. C. A.
Hamilton, Florence R., 3146 Alika Ave.
Hamilton, Ruth H., 428 Wyllie St.
Harris, (Mrs.) Oliva L., Lihue, Kauai
Harrison, (Mrs.) Gay B., 3159 Alika Ave.
Hauenchild, Helena M., 2622 Kaaipu Ave.
Healy, Robert F., Lincoln Jr. High School, Honolulu
Heen, Elizabeth L., Waipahu, Oahu
Henry, Charles N. P., Box 5, Pepeekeo, Hawaii
Hill, Anna H., 2718 Laniloa Rd.
Hockley, (Mrs.) Elizabeth C., 2144 Lanihuli Drive
Holmes, Marion H., 1541 Pensacola St.
Holt, Frances H., 847 17th Ave.
Horne, (Mrs.) Margarite, 2431 Burbank Rd.
Houston, Edwin C., Elks Club
Hovington, Kathleen M., B.A., B.Sc., 4650 Kahala Ave.
Howell, (Mrs.) Edith M., 1552 Keeaumoku St.
Howell, Noel L., 1539 Pensacola St.
Hoy, Cecilia Chuck, 1709-C Iliahi St.
Huckestein, (Mrs.) Inez L., Box 2648, Honolulu
Hugelen, Reinhart L., Pasullo, Hawaii
Humphrey, Myrl H., 262 Beach Walk
Ibara, Masae P., Queen's or Japanese Hospital
Ikeda, (Mrs.) Grace K., A.B., Box 269, Waipahu, Oahu
Ing, Henry K. H., 909 14th Ave.
Ing, Elizabeth Y. S., 1136 8th Ave.
Inouye, Yoshito, Box 1075, Honolulu
Isenberg, (Mrs.) Eleanor W., 1920 Kakela Drive
Ishikawa, Yasuo B., B.S., Hilo, Hawaii
Iwamoto, Aiko, 3023 Kaunaoa St.
Izumi, Edmund, Walluku, Maui
Jack, Annie M., Cedar Rapids, Iowa; 800 15th Ave.
Jamnik, Francis, 921 4th Ave.
Jardin, Belle, 522 Capt. Cook Ave.
Johnson, Evlyne L., B.A., Hamakuapoko, Maui
Johnson, (Mrs.) Florence B., 1646 Clark St.
Johnson, (Mrs.) Georgia M., 2668 Kahawai St.
Johnson, Josephine F., 193 Shelton Ave., Jamaica, N. Y.; 1080 Alewa Drive
Johnson, M. Louise, B.A., 3633 Sierra Drive
Jones, Gladys H., B.S., 1445 Punahou St.
Kaaha, John K., 711 Union St.
Kahilbaum, Florence, Makaweli, Kauai
Kamakau, Benjamin L., 1337 Fort St.
Kamakau, (Mrs.) Sarah Mary, 3424 Kaimuki Ave.
Keller, (Mrs.) Lora T., 2456 Oahu Ave.
Kelley, Antonette, 1107 Punahou St.
Kelsey, Arthur C., 2375 Pacific Heights
Kerslake, Eliza E., 807 So. 7th St., Yakima, Wash.; 262-A Beach Walk
Knowlton, Berenice, 1646-C Lilolilo St.
Koeher, Lucy J., B.A., 2478 Tusitala St.
Koizumi, Toyonosuke, 1463 Kaumualii St.
Komota, Yukio, B.A., 179 No. Kukui St.
Kono, Ayako, B.A., Box 144, Hilo, Hawaii; 1941-B Ulu Lane
Krantz, (Mrs.) Henrietta, 1048 17th Ave.
Kuck, Loraine E., B.S., 1415 Kinau St.
Kuniohi, Yoshie P., Box 48, Waiakoa, Maui; 1735 So. King St.
Kunyioshi, Shinsei, 1228 No. School St. (Died)
Kurisaki, Mabel T., Waimea, Kauai; 1624 Leilehua Lane
Kuwahara, Akira, 1444 Nuuanu St.
Lam, (Mrs.) Ah Chin, 1288 Lunalillo St.
Lam, Elizabeth K. S., B.A., 1716 Mott-Smith Drive
Lam, Mary Y. W., 1716 Mott-Smith Drive
Lamorie, Juanita, Kahala Ave.
Larsen, Agnes E., Box 521, Honolulu
Lau, Kenneth K. C., 2023 Metcalf St.
Lawson, Minnie L., B.A., Hilo, Hawaii
Leandro, Francis J., Haiku, Maui
Lee, Alice K., 1723 Lanaihlo Ave.
Lee, Elsie H., B.A., 35 East Anderson St., Stockton, Calif.; 2461-D Prince Edward St.
Lee, Genevieve, 2136 So. King St.
Lee, Gladys F., 3812 Nolan Ave.
Lee, Margaret, 2888 Kalili Rd.
Lee, (Mrs.) Marion Y., 1310 Iao Lane, Haku, Maui
Lee, (Mrs.) Mary Shin, B.A., 3611-A Sierra Ave.
Lee, Sarah K., 725 9th Ave.
Lee, Violet W., 1863-H Makace Lane
Leekey, Alice J., St. Andrews Priory
Leong, Rosalie K. Y., 1338 Young St.
Like, Albert N., 1710 No. School St.
Linden, (Mrs.) Louise N., 2638 Kauhine Drive
Lindsey, George K., Lahaina, Maui; 1550 Kinau St.
Lino, (Mrs.) Rena F., Box 3431
Lint, (Mrs.) Lalah, 1057 16th Ave.
Lloyd, (Mrs.) Elma, 264 Lewers Rd.
Lum, Alice K., Box 37, Kahului, Maui
Machle, Violet E., 2189 Kalia Rd.
Mackenzie, Lucene H., Kahuku, Oahu; 2461 Kuhio Ave.
Makekau, Katherine, Box 1977, Honolulu
Makino, George, Yokohama, Japan; Hawaii Hochi
Maneki, Mitsugu, B.S., Box 27, Kaumana, Hilo, Hawaii; 1710 Fort St.
Matsuzawa, Daikichi, B.A., 330 Hobron Lane
Mau, Marion L., 952 10th Ave.
Mau, (Mrs.) Winifred C., 1346 Wilhelmia Rise
McCleery, Maybelle B., 238 Liliuokalani Ave.
McDonough, James R., 47-F Cleghorn Drive
McIntosh, (Mrs.) Helen F., 1417 Middle St.
McKercher, Ethel C., B.A., Colonial Hotel
McLaren, (Mrs.) Irma Doss, Waimea, Kauai
Merlet, (Mrs.) Irene H., Waimea, Kauai
Merriam, Marian M., B.A., 1835 Makiki St.
Merrick, Helen E., 3853 Maunaloa Ave.
Miles, Frances, 943 16th Ave.
Miller, Carey D., A.B., M.S., 2627 Kaaipu Ave.
Minvielle, Albert E., B.S., 1641 Young St.
Mitchel, Sarah E., 2621 East Manoa Rd.
Miyamoto, Masaichi, 627 Captain Cook Ave.
Mole, Florence, Donna Hotel
Moodle, Ruth, Paia, Maui; 3853 Maunaloa Ave.
Morishige, Hanako, Waimea, Kauai; 1727 Fort St.
Morita, Dorothea Y., 1021 Kama Lane
Moriwaki, (Mrs.) M. Iwasaki, 1424 No. School St.
Morley, Frances, 1570 Thurston Ave.
Morrell, Elden P., 1087 So. Young St.
Moss, Claire M., Women's Dormitory
Moss, Ruth L., 25 Ocean View Court
Mossman, Rebecca K., 419-A Wyllie St.
Murphy, Theima K., B.A., 1500 Kapiolani St.
Naito, Wallace, B.S., 1442 16th Ave.
Nakamura, Hideo L., B.S., Puuloa, Oahu
Nakanishi, Thomas K., 1523 Nuuanu Ave.
Nelson, Emma Mary, Makawao, Maui
Nelson, (Mrs.) Ora Lee, 2253 Kalia Rd.
Ninomiya, Philip H., Haiku, Maui
Nip, Betsy, Pauwela, Maui; 1623 Fort St.
Nishihara, Matsuji, B.A., 318 Kaliihi St.
Odgers, George A., A.B., A.M., Kamehameha Schools
O'Dowda, (Mrs.) Dorothy O., 2011-D Lanihuli Drive
Ogata, Shigeyo, Waimea, Kauai
Ogata, Tomi, Waimea, Kauai; 1037 Kinau St.
Ohita, Margaret T., Haiku, Maui
Okawa, Itsuo, Laie, Oahu; 940 Cooke St.
Onishi, Katsumi, Box 96, Alea, Oahu
Osaki, Kelichi, Pauwela, Maui
Ostergaard, Jens M., 2466 Kuhio Ave.
Palmer, (Mrs.) Dorothy M., 1450 Kewalo St.
Parrent, Charles T., Kamehameha Schools
Patrick, Edith S., Hamakuapoko, Maui
Peppin, Hazel B., 2812 Kahawai St.
Pettee, Sarah E., B.S., 1911 Keeaumoku St.
Phegley, Mollie, Lihue, Kauai
Phellis, Esther V., St. Andrew's Priory
Phillipps, Katherine L., 1825 Makiki St.
Pickerill, (Mrs.) Cicely G., 2881 Pacific Heights
Ployhart, Frederick P., Lihue, Kauai
Podmore, (Mrs.) Glenna M., 2302 Sea View Ave.
Poka, (Mrs.) Elizabeth, Pauwela, Maui
Poston, Maude, B.A., Women's Dormitory
Prescott, Robert, B.A., Central Y.M.C.A.
Priest, Constance, 2327 Liloa Rise
Putnam, Charles S., B.S., 524 Waianuenue Ave., Hilo, Hawaii
Putnam, Sarah W., B.A., Hilo, Hawaii
Reid, Alice C., Box 213, Lihue, Kauai
Reinecke, John E., B.S., Leilani High School, Schofield Barracks, T.H.
Rhea, Theodore R., B.A., 1840 Anapuni St.
Rhoads, Elvis B., 1621 Keaaumoku St.
Richey, Edna, 2121 McKinley St.
Roberts, Roy Lee, B.A., Box 1012, Hilo, Hawaii
Robinson, Kulamanu L., Paia, Maui
Rockwell, Sevellon C., B.A., 891 Kinoole St., Hilo, Hawaii
Ross, (Mrs.) Ruth Davis, 2610 Pamoa Rd.
Russell, Nellie A., 1030 Spencer St.
Sanjume, Jisoo, B.A., Laie, Oahu; 1939 Algaroba St.
Scott, Josephine, B.A., 315 So. Lafayette Park Place, Los Angeles, Calif.; 2029 Kamehameha Ave.
Seal, (Mrs.) Dorothy C., 1661 Pilikoi St.
Shellhorn, Kathryn, B.S., M.A., Watertown Arsenal, Watertown, Mass.; 1527 Makiki St.
Shim, Esther F., 1230 14th Ave.
Shim, (Mrs.) Rose Char, Haiku, Maui
Sideris, (Mrs.) Julia C., 2633 Pamoa Rd.
Simpson, (Mrs.) Opal C., 2643 Pahoa Rd.
Sing, Rebecca S., 705 12th Ave.
Smith, (Mrs.) Enid S., A.B., A.M., 2108 Oahu Ave.
Smith, Norman C., B.A., 2718 Laniloa Drive
Soares, Virginia E., 817 Kinau St.
Soon, Eva A., 1873 Puowaina Drive
Sousa, Esther F., 1377 Lusitana St.
Spaulding, Ethel J., M.A., 12 Halaulani Pl., Hilo, Hawaii
Steere, Charlotte E., B.S., 4551 Kahala Ave.
Stenfort, Hubert F., Central Y.M.C.A.
Stepp, (Mrs.) Ida J., 2432 Cleghorn Drive
Stewart, Alice Agnes, B.S., Hamakua Poko, Maui
Takahagi, Hatsuyo, 125 Prospect St.
Tam, (Mrs.) Margaret L., Pauwela, Maui
Tashima, Charles W., Wahiawa, Oahu; 1710 Fort St.
Thompson, Carrie A., 2133 McKinley St.
Tom, Bernard C., 1108 19th Ave.
Toomey, Samuel K., 969 12th Ave.
Turner, Jane, 2396 Prince Edward St.
Tyau, Bartholomew L., 2031 Coyne St.
Tyau, (Mrs.) Bessie A., 1757 Fort St.
Tyau, Henry T. Y., Makawao, Maui
Ueki, (Mrs.) Agnes O., Haiku, Maui
Van Keuren, Helen E., B.S., Hamakua Poko, Maui
Van Sooy, Neal, Nuuanu Y.M.C.A.
Venhuizen, Gladys, Haiku, Maui
Wade, (Mrs.) Mary N., Pauwela, Maui
Walker, (Mrs.) Myrtle A., 1235 10th Ave.
Watt, Margaret E., B.A., Olaa, Hawaii; Fernhurst, Honolulu
Webling, (Mrs.) Marle, 1932 Bingham St.
Register of Students

Weidman, Joseph, B.S., Central Y.M.C.A.
Welsh, (Mrs.) Pearl H., 1611 Makiki St.
West, (Mrs.) Rose Bryant, Lihue, Kauai
Westendorf, Eleanor, 25 Ocean View Court
Wharton, Florence, B.S., 264-B Kaialani Ave.
White, M. Elmina, B.S., 2627 Kaaipu St.
Wicke, (Mrs.) Alla N., B.A., 3857 Maunaloa Ave.
Williams, Hazel V., B.S., 2433-B Alawai Blvd.
Winslow, Emma E., Kamehameha Schools. (Withdrew)
Wong, (Mrs.) Fannie Beatrice, Wailuku, Maui
Wong, Gilbert, Wailuku, Maui
Woo, Ethel, 1041 Koko Head Ave.
Woods, Ida, 4006 West 22 Place, Los Angeles, Calif.; Mid-Pacific Institute
Yagyu, Kazuo, Yamaguchi, Japan; 711 So. King St. (Withdrew)
Yamamoto, Ethel Mitsue, Box 59, Kahului, Maui
Yap, Eugene T. C., 3465 Waialae Ave.
Yap, Ruth L. T., 3465 Waialae Ave.
Young, Eleanor Tsark, 3133 Waialae Rd.
Young, Neva E., B.C.S., Mid-Pacific Institute
SUMMARY OF STUDENTS

Graduates ........................................ 81

College of Applied Science:
   Seniors ...................................... 39
   Juniors ..................................... 49
   Sophomores ................................ 72
   Freshmen ................................... 140
   ........................................... 300

College of Arts and Sciences:
   Seniors ...................................... 106
   Juniors ..................................... 118
   Sophomores ................................ 165
   Freshmen ................................... 199
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Students Carrying Limited Program* ........ 356

   Total ..................................... 1321
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UNIVERSITY PUBLICATIONS

QUARTERLY BULLETIN
Vol. VIII, No. 4. Twelfth Annual Report of the Agricultural Department, July 1, 1928 to June 30, 1929.

RESEARCH PUBLICATIONS

UNIVERSITY LEAFLETS
No. 1. General information concerning campus, faculty, student life and activities, legislative support, extension and research.
No. 2. Race investigations, psychological, biological, and sociological studies being carried on at the University of Hawaii.
No. 3. Opportunity for studying problems of racial and international relations in Hawaii. Courses in Chinese and Japanese civilization, international relations, racial psychology, race contacts, Oriental languages and literature offered at the University of Hawaii.

BULLETINS OF THE AGRICULTURAL EXTENSION SERVICE
No. 3. Agricultural Extension Work in Hawaii, by William A. Lloyd. October, 1929.
The Extension Letter, published bi-monthly by the Agricultural Extension Service and the U. S. Department of Agriculture cooperating.

PUBLICATIONS OF THE UNIVERSITY EXTENSION DIVISION
Announcement of Courses in the University Extension Division, First and Second Semesters, 1929-1930.
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Louttit, C. M.—The Use of Bibliographies in Psychology. (Psychological Review, Vol. 36, pp. 341-347, 1929.)
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Miller, Carey D.—Food Values of Breadfruit, Taro Leaves, Coconut and Sugar Cane. (Bulletin 64 of Bernice P. Bishop Museum. Honolulu, 1929.)

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Sideris, C. P.—Rhizidiocystis ananae nov. gen. et sp., a root hair parasite of pineapples. (Phytopath. 19: 367-382. 1929.)

The Effect of the H-ion concentration of the culture solution on the behavior of Fusarium cromyophthoron and allium cepa and the development of pink-root disease symptoms. (Phytopath. 19: 233-268. 1929.)

Similarity between Physicochemical and Biological reactions. (Plant Physiology 3: 79-83. 1928.)


Flora of Mt. Baker (with Edith Hardin). (Mazama, Vol. 11, No. 12, pp. 52-102, 3 pl., 20 fig. December, 1929.)
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