CATALOGUE AND ANNOUNCEMENT OF COURSES 1927-1928

MAY, 1927

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Honolulu

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CALENDAR
1927-1928

1927

June 6  Sixteenth Annual Commencement. Monday
September 1  Last day for receiving applications for admission. Thursday
September 6-10  "Freshman Week." Tues.-Sat.
September 12-13  Registration, Twentieth Annual Session. Mon.-Tues.
September 14  Instruction begins. Wednesday
October 1  Last day for receiving applications from candidates for advanced degrees. Saturday
November 11  Armistice Day. Friday
November 24-26  Thanksgiving Recess. Thurs.-Sat.
December 19  Christmas Recess begins. Monday

1928

January 3  Work resumed. Tuesday
January 23-28  Mid-year Examinations. Mon.-Sat.
January 31  Registration, Second Semester. Tuesday
February 22  Washington's Birthday. Wednesday
April 2  Last day for receiving orations in Berndt Oratorical Contest. Monday
April 6-7  Good Friday Recess. Fri.-Sat.
April 14  Last day for receiving requests for examinations for advanced degrees. Saturday
May 4  Sixth Annual Contest for Berndt Prize in Oratory. Friday
May 26-June 2  Final Examinations. Sat.-Sat.
June 4  Seventeenth Annual Commencement. Monday
September 1  Last day for receiving applications for admission. Saturday
September 4-8  "Freshman Week." Tues.-Sat.
THE BOARD OF REGENTS

Charles R. Hemenway, Vice-President Alexander & Baldwin, Ltd.
Rev. Akaiko Akana, Pastor Kawaiahao Church, Honolulu.
George Ii Brown, President of the Board of Agriculture and Forestry.
Dr. Charles B. Cooper, Physician.
David L. Crawford, President of the University.
Mary Dillingham Frear.

OFFICERS OF THE BOARD
Chairman: Charles R. Hemenway
Secretary: David L. Crawford

DISBURSEMENT OF FUNDS

All disbursements of funds appropriated by the Territorial Legislature of Hawaii for the support of the University are 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.
OFFICERS OF THE UNIVERSITY

President, David L. Crawford, B.A., M.A.
Dean of the College of Applied Science, Arthur R. Keller, C.E., LL.B., S.M.C.E., M.S.
Dean of the College of Arts and Sciences, Arthur L. Andrews, B.L., M.L., Ph.D., L.H.D.
Director of the Summer Session, Thayne M. Livesay, A.B., A.M.
Treasurer, Gerald R. Kinnear, A.B., M.B.A.
Registrar, Helen B. MacNeil, A.B.
Librarian, Clara F. Hemenway.
Associate Librarian, Mary P. Pringle.
Matron of Women's Dormitory, *Elsie M. Lydick, B.A.
Superintendent of Buildings and Grounds, Allan B. Bush.
Superintendent of Aquarium, Frederick A. Potter.
Superintendent of University Farm, Noah Pekelo.

THE GOVERNING BOARD OF THE FACULTY

ExOfficio Elected

David L. Crawford Romanzo Adams
Arthur R. Keller Frank T. Dillingham
Arthur L. Andrews John S. Donaghho
**Richard Wrenshall Louis A. Henke
Helen B. MacNeil, Secretary

Karl C. Leebrick

STANDING COMMITTEES OF THE FACULTY

1927-1928

Physical Education:—A. G. Clarke, Otto Klum, A. R. Keller.

* Resigned.
** Leave of absence 1927-1928.
THE FACULTY

PROFESSORS AND ASSISTANT PROFESSORS

Romanzo Adams, A.B. (Univ. of Mich. '97); A.M. (Univ. of Mich. '98); Ph.D. (Univ. of Chicago '04).
*Professor of Economics and Sociology.
2315 Liloa Rise. 69386

Arthur L. Andrews, B.L. (Cornell '93); M.L. (Cornell '95); Ph. D. (Cornell '02); L.H.D. Honorary (Tufts '26).
Professor of English and Dean of the College of Arts and Sciences:
2346 Liloa Rise. 67746

**Carl B. Andrews, B.S. (Rose Polytechnic Inst. '08); M.S. (Rose Polytechnic Inst. '09); C.E. (Rose Polytechnic Inst. '17).
Professor of Engineering.
743 Wyllie St. 69511

Fred Eugene Armstrong, B.S. (Clemson A. & M. College '16); M.S. (Univ. of Minnesota '21).
Professor of Agricultural Education.
1445 Punahou St. 1984

John Milton Baker, A.B. (Knox '19); Lit.B. (Columbia '21); A.M. (Harvard '26).
Assistant Professor of English.
Apt. D, 2011 Lanihuli Drive. 67577

Herbert F. Bergman, B.S. (Kansas Agric. College '05); M.S. (Univ. of Minn. '15); Ph.D. (Univ. of Minn. '18).
Professor of Botany.
2819 Kahawai St. 67095

Earl M. Bilger, B.S. (Wesleyan Univ. '20); M.A. (Wesleyan Univ. '21); Ph.D. (Yale '25).
Assistant Professor of Chemistry.
Men's Dormitory. 66046

* At the beginning of the academic year 1927-1928 Dr. Adams becomes Professor of Sociology and Dr. Reynolds, now of Stanford University, will take the position of Professor of Economics.
**Leave of absence, 1927-1928.
Minnie E. Chipman (Woman's Art School, N.Y.).
Professor of Ceramics and Design.
2623 Halelea St.

LL.B., A.B. (Kansas Univ. '00); Graduate Artillery School '06; Distinguished Graduate School of the Line '13; Graduate Army Staff College '14.
Professor of Military Science and Tactics.
2125 Armstrong St.

Anna von Balzer Dahl (formerly head of Vienna School of Costume Designing, San Francisco).
Assistant Professor of Textiles and Design.
2011 Lanihuli Drive.

Frank T. Dillingham, B.S. (Worcester Polytechnic Institute '01); M.A. (Yale '16).
Professor of Chemistry and Sugar Technology.
2562 Jones St.

John S. Donagho, A.B. (Marietta '89); A.M. (Marietta '97).
Professor of Mathematics and Astronomy.
961 Alewa Drive.

Charles H. Edmondson, Ph.B. (Univ. of Iowa '03);
M. S. (Univ. of Iowa '04); Ph.D. (Univ. of Iowa '06).
Professor of Zoology and Director of the Marine Biological Laboratory.
2019 Vancouver Highway.

Tasuku Harada, B.D. (Yale '91); D.D. (Amherst '10); LL.D. (Edinburgh '10).
Professor of Japanese Language and History.
1728 Rocky Hill St.

Louis A. Henke, B.S. (Univ. of Wisconsin '12); M.S. (Univ. of Wisconsin '23).
Professor of Agriculture.
2657 Terrace Drive, Manoa.

Arthur R. Keller, C.E. (Cornell '03); LL.B. (National Univ. '06); S.M.C.E. (Harvard '16); M.S. (Mass. Inst. Tech. '16).
Professor of Civil Engineering and Dean of the College of Applied Science.
2456 Oahu Avenue.
The Faculty

Gerald R. Kinnear, A.B. (Oberlin College '21); M.B.A. (Harvard Univ. '23).
Treasurer and Purchasing Agent of the University. 1527-L Makiki St. 2259

Paul Kirkpatrick, B.S. (Occidental College '16); Ph.D. (Univ. of California '23).
Professor of Physics. Courtland Hotel. 6124

Otto Klum,
Professor of Physical Education and Director of Athletics.
3119 Rainbow Drive. 67578

*Frederick G. Krauss, D.Sc. (Univ. of Hawaii '23).
Professor of Agronomy.
2447 Parker St. 67730

Shao Chang Lee, Graduate Canton Christian College, Canton, China '11; Graduate Tsing Hua College, Peking, China '13; A.B. (Yale '17); M.A. (Columbia '18).
Professor of Chinese Language and History.
1709 So. Beretania St. 67872

Karl C. Leebrick, B.S. (Univ. of California '11); M.S. (Univ. of California '13); Ph.D. (Univ. of California '17).
Professor of History and Political Science.
2015 Oahu Ave. 66052

Thayne Miller Livesay, A.B. (Pacific Univ. '17); A.M. (Univ. of Washington '21); (Stanford 1921-1924).
Professor of Education and Psychology and Director of Summer Session.
2211 Hyde St. 66058

Carey D. Miller, A.B. (Univ. of California '17); M.S. (Columbia University '22).
Assistant Professor of Food and Nutrition.
2627 Kaaipu Ave. 67027

Lockwood Myrick, Jr., A.B. (Harvard '15); A.M. (Harvard '17).
Assistant Professor of Philosophy.
2562 Jones St. 67615

* Leave of absence, 1927-1928.
Charles H. Neil, A.B. (Univ. of So. Carolina '03).
Assistant Professor of English.
University Club. 6491

Assistant Professor of Military Science and Tactics.
1638 Anapuni St. 68081

Harold S. Palmer, B.A. (Yale '12); Ph.D. (Yale '23).
Professor of Geology.
1450 Kewalo St. 5483

Irving O. Pecker, A.B. (Boston Univ '12); Alliance Francaise, Sorbonne, Paris.
Professor of Romance Languages.
3019 Nuuanu Ave. 69002

Stanley D. Porteus (Lecturer Experimental Education Univ. of Melbourne, '16; Research Scholar Anatomy Department, Univ. of Melbourne, '18; Director Research Laboratory, Vineland, N. J., 1919-1925).
Professor of Clinical Psychology and Director of Psychological Clinic.
2620 Anuenue Street. 67075

Laura V. Schwartz, B.A. (College of the Pacific '20); M.A. (Stanford '21); Ph.D. (Stanford '24).
Assistant Professor of English.
2726 Hillside Ave. 67470

Assistant Professor of Commerce.
1536 Dominis St. 3042

Assistant Professor of Military Science and Tactics.
2502 Waolani Ave. 69412

Ernest C. Webster, Ph.B. (Yale '04); C.E. (Yale '06).
Professor of Engineering and Mathematics.
1836 Punahou St. 2735

John Henry Wise,
Professor of Hawaiian Language.
1910 Fort St. 5580
The Faculty

Frederic Wood-Jones, B.Sc. (London '03); M.B. B.S. (London), M.R.C.S., L.R.C.P. (1904); D.Sc. (London '10); D.Sc. (Adelaide '20); F.R.S. (1925).

Professor of Physical Anthropology, on the Rockefeller Research Foundation.

Pleasanton Hotel.

*Richard Wrenshall, Ph.B. (Yale '11); Ph.D. (Yale '15).

Professor of Chemistry.

2258 Metcalf St.

*John M. Young, B.S. (Univ. of Florida '98); M.E. (Cornell '02); M.M.E. (Cornell '04).

Professor of Engineering.

945 Alewa Drive.

INSTRUCTORS AND ASSISTANTS

Edwin H. Bryan, Jr., B.S. (Univ. of Hawaii '20); Ph.B. (Yale '21); M.S. (Univ. of Hawaii '24).

Instructor in Entomology.

2721 Ferdinand Ave. or Bishop Museum.

Adna G. Clarke, Jr., B.S. (Univ. of Hawaii '25).

Assistant in Engineering.

2125 Armstrong St.

Otto Degener, B.S. (Mass. Agric. College '22); M.S. (Univ. of Hawaii '23).

Instructor in Botany.

2220 Vancouver Highway.

Vasili S. Eremeef.

Assistant in Engineering.

2130 Armstrong St.

Giichi Fujimoto, B.S. (Univ. of Hawaii '21); M.S. (Univ. of Hawaii '23).

Instructor in Chemistry.

1524 Farrington St.

*Leave of absence, 1927-1928.
The Faculty

May K. Gay, B.A. (Univ. of Hawaii '23); M.A. (Columbia Univ. '25).
Instructor in Physical Education for Women.
1611 Keeaumoku St. 3037

Lewis Ulysses Hanke, B.S. (Northwestern Univ. '24); M.A. (Northwestern Univ. '25).
Instructor in History and Political Science.
2011 Lanihuli Drive.

Clair Arthaud Hannum, B.S. (Univ. of Washington '23); M.S. (Univ. of Washington '24); (Graduate work, Univ. of Washington, 1924-1926).
Instructor in Zoology.
Niumalu Hotel, Honolulu. 5726

Clara F. Hemenway, Librarian.
2226 Hyde St. 66051

Osborne Edward Hooley, A.B. (Univ. of Wisconsin '10); A.M. (Univ. of Wisconsin '12).
Instructor in History.
2575 Jones St. 67741

Archibald S. Kaaua,
Assistant in Engineering.
1910 Fort St. 5580

Ralph S. Kuykendall, A.B. (College of the Pacific '10); M.A. (Univ. of California '18).
Instructor in History.
1711 Clarke St. 67295

Kalfred Dip Lum, B. A. (Univ. of Hawaii '22); A.M. (Columbia Univ. '23); New York Univ. Law School 1923-1925); Ph.D. (New York Univ. '26).
Instructor in Political Science and History.
1947-B North King St. 88095

Huc-Mazelet Luquiens, B.A. (Yale '02); B.F.A. (Yale '08).
Instructor in Art.
1646 Bingham St. 67348

Helen Bosson MacNeil, A.B. (Boston Univ. '12).
Registrar.
2010 Hunnewell St. 66036
The Faculty

Telephone

Masick Charles Magarian, B.S. (Mass. Institute of Technology '23); M.A. (Stanford '25).
Instructor in Physics.
Men's Dormitory. 66046

W. R. McAllep,
Lecturer on Sugar Manufacturing.
2031 Vancouver Highway. 66032

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2409 Kuhio Ave. 79675

Mary P. Pringle,
Associate Librarian.
2226 Hyde St. 66051

Marguerite C. Rand, B.A. (Pomona '19); M.A. (Stanford '22); (Centro de Estudios Historicos, Madrid '23).
Instructor in Romance Languages.
Pleasanton Hotel. 4927

Ethel Allen Scott, A.B. (Barnard College, Columbia Univ. '24); M.A. (Univ. of California '26).
Instructor in English.
2418 Ferdinand Ave. 67423

Cecil G. Tilton, B.S. (Univ. of California '24); M.S. (Univ. of California '25).
Instructor in Commerce.
1621-A Keeauamoku St. 4822

Instructor in English.
3020 Kiele Ave., Diamond Head Terrace. 78348

THE PSYCHOLOGICAL CLINIC

Stanley D. Porteus (Lecturer Experimental Education, Univ. of Melbourne '16); Research Scholar Anatomy Department, Univ. of Melbourne '18; Director Research Laboratory, Vineland, N. J., 1919-1925).
Director.
Univ. of Hawaii. 6181
Marjorie Elizabeth Babcock, A.B. (Wells College '19).
Assistant Psychologist.
2726 Hillside Ave.; P. O. Box 3373. 67470

Robert G. Bernreuter, A.B. (College of the Pacific '24).
Research Assistant.
Pleasanton Hotel. 4927

Ivy M. Steele, M.A. (Columbia Univ. '24).
Psychological Examiner.
Donna Hotel. 2480

LIBRARY

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Librarian.
2226 Hyde St. 66051

Mary P. Pringle.
Associate Librarian.
2226 Hyde St. 66051

Antoinette Marie Lamont, S.B. (Simmons College '15).
Cataloguer.
2458 Koa Ave. 79674

Library Assistant.
2544 Jones St. 67617

Georgia M. Johnson.
Library Assistant.
1025 Punahou St. 5936

M. Claire Darby, A.B. (College for Women, Western Reserve Univ. '10); (Western Reserve Library School '11).
Assistant Cataloguer.
Gray's Hotel. 79949

Kathryn Jeanette Macfarlane, (Los Angeles Public Library School '23); (Univ. of California 1923-1926).
Library Assistant.
Haulani Court, Apt. 3. 79974
Waiakea Experiment Station, Assistants in Administration

Telephone

Esther Stewart.
Library Assistant.
3142 Olu St. 7067

THE WAIAKEA EXPERIMENT STATION

Robert Pahau, B.S. (Univ. of Hawaii '18).
Superintendent.
P. O. Box 624, Hilo, T. H.

ASSISTANTS IN ADMINISTRATION

Allan B. Bush.
Superintendent of Buildings and Grounds.
University Campus. 66013

Nora Bush.
Clerk in Business Office.
University Campus. 66013

Roy Calvert.
Assistant Mechanic.
1171 20th Avenue, Kaimuki.

Clement Choy, B.A. (Univ. of Nanking '20); M.A.
(Univ. of Chicago '23).
Cashier.
2032 Bingham St.

Wilhelmine Doelvers.
Clerk in Business Office.
1116 Wilder Ave. 2794

Lawrence Gay.
Extension Marketing Agent.
2877 Oahu Ave. 67094

Lenore Hoffman.
Secretary to the President.
Vida Villa. 3340

Emmaline L. King.
Clerk.
1334 Alewa Drive. 88824

Alma Lindeberg.
Secretary in Extension Office.
1936 U Kalia Road.
Elsie May Lydick, B.A. (Univ. of Hawaii '26).
Matron, University Dormitory for Girls and Manager of Cafeteria.

Helen O. Moses.
Secretary to the Registrar.
57 Cleghorn Drive.

Clarence E. Owen.
Mechanic.
1242 Palolo Ave.

Noah Pekelo.
Superintendent, University Farm.
University Farm.

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

Myrtle Swanson.
Secretary to the Treasurer.
2468 Upper Cleghorn Drive.

EXPERIMENT STATION
ASSOCIATION OF HAWAIIAN PINEAPPLE CANNERS

Arthur L. Dean, A.B. (Harvard '00); Ph.D. (Yale '02).
Director.
2225 Hyde St.

Harry L. Denison, B.S. (Univ. of Hawaii '20).
Agriculturist.
Kahala, Oahu.

Walter A. Wendt, B.S. (Univ. of Wisconsin '20).
Assistant Agriculturist.
Wahiawa, Oahu.

William A. Baldwin, Ph.B. (Yale '92).
Assistant Agriculturist. Agent for Maui.
Makawao, Maui.

Francis A. I. Bowers, B.S. (Univ. of Hawaii '24).
Assistant Agriculturist.
Wahiawa, Oahu.
Henry O. Thompson, B.S. (Univ. of Hawaii '26).
Assistant Agriculturist.
Wahiawa, Oahu.
4 White 254

Frederick G. Krauss, D.Sc. (Univ. of Hawaii '23).
Geneticist.
2447 Parker St.
67730

Kenneth Kerns, B.S. (Univ. of Hawaii '26).
Assistant Geneticist.
Waipahu, Oahu.

Christos Plutarch Sideris, B.C. (Samos Lyceum, Greece '08); B.S. (Univ. of California '21); Ph.D. (Univ. of California '24).
Physiologist and Pathologist.
1714 Rocky Hill Road.
66101

Gwendolyn Cochrane Waldron, B.S. (Univ. of California '22).
Assistant Pathologist.
Oahu Avenue.
66038

Beatrice H. Krauss, B.S. (Univ. of Hawaii '26).
Assistant Physiologist.
2447 Parker St.
67730

George Harold Godfrey, B.S. (Wash. State College '13); M.S. (Iowa State College '17); Ph.D. (Univ. of Wisconsin '23).
Nematologist.
2628 East Manoa Road.
67640

Helene T. Morita, B.S. (Univ. of Hawaii '24).
Assistant Nematologist.
1021 Kama Lane.
8263

James F. Illingworth, B.S. (Pomona '00); M.A. (Stanford '01); Ph.D. (Cornell '12).
Entomologist.
1102 12th Avenue.

Frank T. Dillingham, B.S. (Worcester Polytechnic Institute '01); M.A. (Yale '16).
Chemist.
2562 Jones St.
67615

Francis A. E. Abel, B.S. (Univ. of Hawaii '21); M.S. (Univ. of Hawaii '24).
Assistant Chemist.
2376 Oahu Avenue.
67675
John M. Horner, A.B. (Stanford '22).
Assistant Chemist.
2433 Nuuanu Avenue.

Carl A. Farden, B.S. (Univ. of Hawaii '24).
Assistant Chemist.
Cottage 12, 1945 Kalia Rd.

Elsie G. Greenland.
Secretary to the Director.
214 A Kaiulani Ave.

Emma Wilson.
Librarian.
3807 Mauna Loa Avenue.

Minerva M. Townsend.
Stenographer.
2492 C Kalakaua Ave.
THE UNIVERSITY OF HAWAII

FOUNDED IN 1907

By act of its 1907 Legislature the Territory of Hawaii created an institution of higher education under the name of The College of Agriculture and Mechanic Arts of the Territory of Hawaii. This name was changed by a subsequent Legislature to The College of Hawaii. As its original name indicated, this College was a Land Grant College benefiting financially by the Second Morrill Act of 1890 and the Nelson Amendment of 1907. Being a Territory, Hawaii had no grant of lands under the original Morrill Act of 1862. The College receives from the Federal Government fifty thousand dollars annually, applied only to instruction in agriculture, the mechanic arts, the English language, and the various branches of mathematical, physical, natural and economic science, with special reference to their applications in the industries of life, and to the facilities for such instruction. The larger part of the financial support of the University comes from the Territorial government while some is derived from fees paid by the students.

In its first years the College was housed in temporary buildings on the grounds of the old McKinley High School, where the first classes were organized in the spring of 1908. In 1912 the College was moved to its present site in Manoa Valley, where some ninety acres had been set aside by the Territory for its campus.

The first baccalaureate degrees were awarded in 1912, the first advanced degree, Master of Science, in 1914, and the first honorary degrees in 1919.

The programs of study were largely scientific and adapted to fit young men and women for practical work in applied science. With this College firmly established it was deemed wise to lay the foundations for a wider range of collegiate work in Hawaii by establishing a University whose charter should be sufficiently inclusive to provide for all future needs. The 1919 Legislature of the Territory of Hawaii therefore granted the following charter:
CHARTER OF THE UNIVERSITY OF HAWAII
(Act 203*)

AN ACT TO ESTABLISH A UNIVERSITY OF HAWAII.

Be it Enacted by the Legislature of the Territory of Hawaii:

SECTION 1. There is hereby established a university of Hawaii which shall consist of the college of agriculture or mechanic arts heretofore known and designated as the College of Hawaii, hereafter to be designated as the college of applied science, a college of arts and sciences and such other departments as may from time to time be established.

SECTION 2. The affairs of the University of Hawaii shall be under the general management and control of a board of regents consisting of seven members of which the president of the university, who shall act as secretary of the board, and the president of the board of agriculture and forestry shall be members ex-officio, and the other five members shall be appointed by the governor of the Territory of Hawaii as by law provided. The regents shall be residents of the Territory of Hawaii, and the appointed members shall be appointed for terms of five years or the unexpired periods thereof in such manner that the term of one regent shall expire at the close of the 30th day of April each year. Such terms shall begin on the first day of May in each year, and the terms of the regents of the College of Hawaii as of June 30, 1919, in the order of their appointments, shall continue as terms of appointments as regents of the University of Hawaii, to expire immediately preceding the first day of May in each of the five years beginning with 1921.

SECTION 3. The board of regents shall have general management and control of the affairs of the university. It shall have the power to appoint a treasurer and such other officers as it deems necessary, and to require them to give bonds in such amounts as it may prescribe and in the form prescribed by law for bonds of public officers. It shall have power to purchase or otherwise acquire lands, buildings, appliances and other property for the purposes of the university and expend such sums of money as may be from time to time placed at the disposal of the university from whatever source. All lands, buildings, appliances and other property so purchased or acquired shall be and remain the property of the Territory of Hawaii to be used in perpetuity for the benefit of the university.

*Revised Laws of Hawaii, 1925, chapter 33, sections 400 to 408 inclusive.
The official name of the board of regents shall be board of regents, University of Hawaii, and the board shall adopt and use a common seal by which all official acts shall be authenticated.

SECTION 4. The grants of moneys and the purposes of said grants authorized by the Act of Congress approved August 30, 1890, known as the Second Morrill Act, providing for the endowment and maintenance of colleges for the benefit of agriculture and mechanic arts, and by the Acts of Congress approved March 2, 1887, and March 16, 1906, providing for agricultural experiment stations in connection with colleges of agriculture and mechanic arts, and by any other Act or Acts of Congress for similar purposes, heretofore assented to in behalf of the College of Hawaii, are hereby reassented to in behalf of the college of applied science as an integral part of the University of Hawaii.

SECTION 5. The purposes of the university are to give thorough instruction and conduct researches in and disseminate knowledge of, agriculture, mechanic arts, mathematical, physical, natural, economic, political and social sciences, languages, literature, history, philosophy and such other branches of advanced learning as the board of regents may from time to time prescribe and to give such military instruction as the board of regents may prescribe and the federal government require. The standard of instruction shall be equal to that given and required in similar universities on the mainland of the United States, and upon the successful completion of the prescribed courses the board of regents is authorized to confer a corresponding degree upon all students who shall become entitled thereto.

SECTION 6. No person shall, because of sex, color or nationality, be deprived of the privileges of this institution.

SECTION 7. The faculties of the university shall be under the direction of a president who shall be appointed by the board of regents of which he becomes ex-officio a member. The board of regents shall appoint such deans, directors, other members of the faculties, and employees as may be required to carry out the purposes of the institution, and prescribe their salaries and terms of service, where such salaries and terms of service are not specifically fixed by legislative enactment, make and enforce rules governing sabbatical leaves, with or without pay, consistent with the practice of similar institutions on the mainland, and notwithstanding the laws of the Territory of Hawaii relating to vacations of the officers and employees of the territory.

SECTION 8. The board of regents shall have the authority to sue in its official name and shall be subject to be sued only in the manner provided for suits against the Territory of Hawaii.
SECTION 9. Moneys appropriated by the legislature for the University of Hawaii shall be payable by the territorial treasurer, upon warrants issued by the territorial auditor, upon vouchers approved by the board of regents. All moneys received by or in behalf of the board of regents of the university, other than those received from the United States government or other governments, shall be paid into the territorial treasury, and all such moneys are hereby appropriated for the use of the university. The board of regents shall cause to be kept suitable books of accounts, and shall annually submit to the governor, to be by him submitted to the legislature, a statement showing its receipts from all sources, and expenditures for all purposes.

SECTION 10. All obligations, rights, privileges, and property whatsoever belonging or appertaining to the board of regents of the College of Hawaii or the College of Hawaii are hereby transferred to the board of regents of the University of Hawaii and the University of Hawaii.

SECTION 11. Chapter 28, sections 330 to 336, inclusive, of the Revised Laws of Hawaii, 1915, are hereby repealed.

SECTION 12. This act shall take effect on July 1, 1920.

Approved this 30th day of April, A. D. 1919.

C. J. McCarthy,
Governor of the Territory of Hawaii.

ACT 128*

AN ACT TO AUTHORIZE THE BOARD OF REGENTS OF THE UNIVERSITY OF HAWAII TO ACT AS TRUSTEE ON BEHALF OF THE UNIVERSITY OF HAWAII.

Be it enacted by the Legislature of the Territory of Hawaii:

SECTION 1. The board of regents of the University of Hawaii is hereby authorized and empowered to receive, manage, and/or invest monies or other property, real, personal, or mixed, which may be given, bequeathed, devised, or in any manner received from sources other than the Legislature of the Territory of Hawaii or any federal appropriation for the purpose of the university, its improvement or adornment, or the aid or advantage of students or faculty, and in general, to act as trustee on behalf of the University of Hawaii for any of said purposes or objects.

SECTION 2. All income and profits received by the board of regents as in Section 1 provided, shall be paid into the territorial treasury, and is hereby appropriated for the uses and purposes specified in Section 1.

SECTION 3. The board of regents shall cause to be kept suitable books of account wherein shall be recorded each gift, the essential facts of the management thereof, and the expenditure of the income, and a statement of all trust funds shall be included in the annual report to the governor.

SECTION 4. This Act shall take effect upon its approval.

Approved this 28th day of April, A. D. 1925.

W. R. FARRINGTON,
Governor of the Territory of Hawaii.

ORGANIZATION

The University of Hawaii is organized for collegiate instruction and public service as follows:
- College of Applied Science.
- College of Arts and Sciences.
- Summer Session.
- Extension Division.
- Psychological and Psychopathic Clinic.
- Waiakea Experiment Station.
- Experiment Station of the Association of Hawaiian Pineapple Canners.

The College of Applied Science is substantially a continuation of the former College of Hawaii, offering instruction in engineering, agriculture, household science and other applied sciences, leading to the Bachelor of Science degree.

The College of Arts and Sciences offers programs of study leading to the Bachelor of Arts degree.

The Summer Session is an innovation in 1927. An intensive program of four weeks of study is offered, with longer class periods to make the session equivalent to the usual six-weeks program. For a detailed announcement of courses, tuition fees, and other information, send for a Summer Session Announcement.

The Extension Division offers instruction to persons not able to attend the University in the usual manner, and serves the public in other ways, as indicated more fully on page 120.
The Psychological and Psychopathic Clinic was established in 1921 by legislative act* to make examinations of persons at the request of the courts, industrial schools, board of health, 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 Waiakea Experiment Station was established in 1921 by legislative act, to assist the homesteaders on the island of Hawaii. A tract of about 90 acres near Hilo is devoted to this work, the experiments being largely in sugar cane culture, though diversified crops and live stock form an important part of the work of the station.

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.

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.

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.

Rockefeller Foundation. A grant of $20,000 per year for five years, beginning January 1, 1927, has been made to the University of Hawaii by the Rockefeller Foundation. This is for the support of research in the field of racial blends in Hawaii. To discover the mental, physical and cultural effects of blending the several racial elements resident in the Hawaiian Islands is the objective of this research, which should have an important bearing on the future welfare of the people around the Pacific Ocean.

* Revised Laws of Hawaii, 1925, Chapter 33, Sections 409 to 411.
LOCATION AND BUILDINGS

The University, advantageously situated in Manoa Valley, one of the most attractive of Honolulu's residential districts, is about two and one-half miles from the business center, and but a short walk from the Manoa Valley car-line.

Of the ninety acres which comprise the University grounds, about thirty acres are used for campus purposes and sixty for the farm. Of the latter, twenty-three are planted to crops and several large fields are used for pasturage. At the rear of the grounds flows the Manoa Stream, which furnishes adequate water for irrigation and experimental studies in irrigation, and may be made to provide for work in hydraulics.

The J. P. Cooke athletic field provides facilities for football, baseball and track athletics. Four asphalt tennis courts have also been provided. Through the enterprise of the students in 1920 a fund was raised for the construction of a swimming pool. A 25-yard pool, and locker buildings for men and women are available for students of the University.

Hawaii Hall, the first of the University buildings, is of reinforced concrete, three stories in height, and contains some sixty rooms, used as class rooms, offices and laboratories, and the administrative offices. Gartley Hall is a fireproof building for chemistry, physics, and sugar technology, and contains the laboratories, classrooms, and offices for those departments. The library building, erected in 1925, is also of reinforced concrete construction and equipped with modern library facilities. The psychological clinic has rooms in this building and several of the members of the Faculty have their offices there. A smaller concrete building houses the laboratory for experimental engineering. The departments of botany and military science are housed in wooden buildings. A dormitory for men with rooms for twenty-eight students, a dormitory accommodating sixteen girls and a matron, and a dining hall are located on the campus.

The Honolulu Aquarium at Waikiki is under the care of the University of Hawaii, together with the laboratory for marine zoology adjoining the Aquarium, which was erected by the Charles M. Cooke Estate. Laboratory classes in zoology are held in this seaside building, which is also equipped for research in marine biology.

On the farm are four buildings for dairy purposes, a piggery, poultry houses, horse stable, tool shed, and six employees' cottages. At Kaimuki there is a small astronomical observatory.
A more detailed account of the equipment of the buildings and laboratories is given under the head of Courses of Instruction.

**Library**

The Library now contains 40,885 volumes. In addition there are on the shelves 138,162 pamphlets, many of them bulletins of agricultural experiment stations and of the various departments of the Federal Government. The Library is by law constituted 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.

Both the Library and the Reading Rooms are open to the public, and persons complying with the Library regulations may draw out books for home use.

**General Information**

**Purposes and Standards**

As required by its charter the University is devoted both to instruction and research in the various fields of knowledge and is committed to the maintenance of the recognized standards of American universities.

That these standards may be maintained the requirements for admission of regular students to the University are set as high as those of similar institutions on the mainland. Special students must meet the same requirements 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.

No student with entrance conditions can be registered as a Sophomore, none with Freshman conditions as a Junior, and none with Sophomore conditions as a Senior.

**Semesters and Credits**

The year's work is divided into two semesters of eighteen weeks each. Recognition of work done is given in terms of credits, a credit generally being 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, Classification of Students

GRADE POINTS

A record is kept of grade points, as well as of grades and semester hours.

Grade points will be determined as follows: For each semester hour 3 grade points will be 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 will carry credit for semester hours, but not for grade points.

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

A student shall not be 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.

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.

CLASSIFICATION OF STUDENTS

The University of Hawaii recognizes five classes of students:

1. Regular undergraduate students in either of the Colleges.
2. Special students in either of the Colleges.
3. Graduate students.
4. Extension students.
5. Auditors.

Regular students are those who having met the requirements for admission are pursuing a course of study leading to a bachelor's degree in conformity with the regulations of either of the Colleges.

Special students are those who are working for credits, but not following one of the programs of work leading to a degree.

Graduate students are those who have received a degree from one of the Colleges of this University or some other institution of equal standing and are registered for an advanced degree.

Extension students are those who are enrolled in extension classes.
Auditors. A limited number of auditors will be admitted to those courses designated in the Catalogue by an asterisk (*). 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.

Tuition and Fees

Tuition is free to residents of the Territory, but a registration fee of $10.00 per semester is charged all regular students and all special students registering for 10 credit hours or more, and $1.00 per credit hour for others. Non-residents of Hawaii, defined below, pay a tuition fee of $25.00 per semester, or $2.00 per credit hour, in addition to the registration fee named above. The term "resident" is defined as follows:

1. Any person who has resided continuously in the Territory of Hawaii for at least one year prior to the registration day of any semester, except that persons, other than those described in paragraphs 2 and 3 below, who come to Hawaii for the purpose of attending the University, may not acquire residence while they are in attendance at the University, unless they become voting citizens of the Territory of Hawaii.

2. Any person, one or both of whose parents is a citizen of the Territory of Hawaii.

3. Any person who is in the military or naval service of the United States, or whose father is in such service.

The use of the swimming tank is free to all students. Those registering for ten or more credits may obtain lockers upon payment of a locker fee of $2.50. Persons registering as candidates for advanced degrees are charged a registration fee of $25.00. Laboratory fees and deposits are indicated under descriptions of courses. A graduation fee of $25.00 is charged upon completion of the graduate study and the award of the degree.

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 Reinstatement Fee of $5.00 will be charged for registration of any students who shall have withdrawn without securing either an honorable dismissal or a leave of absence.

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.
All fees must be paid as a 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 President or Dean. Students unable to make full payment should have the necessary forms properly signed prior to payment of fees in the Business Office. Old bills must be paid before the designated registration days.

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.

The use of steel hook 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.

**DORMITORIES AND DINING HALL**

Two dormitories and a small dining hall are available to students on the university campus. The dining hall offers cafeteria service for noon luncheon to all students and faculty members who desire it, and in addition provides for the needs of all occupants of the dormitories.

The men's dormitory is a one-story building with accommodations for twenty-eight. Every room is well ventilated, some arranged for 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.

The women's dormitory is supervised by a matron who lives with the women students. The room accommodations are ample, but bedding and linen must be supplied by the occupants.

For further details as to rates and accommodations, and for reservations, address a request to the Business Office of the University.

**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 a required course for the first two years and optional in the third and fourth years. A senior unit of the Reserve Officers' Training Corps is located at the University, in which advanced instruction is offered leading to a commission in the United States Army.
Requirements for Admission

Physical Education

Men. All men, students of the Freshmen and Sophomore classes who do not take part in the military training program are required to take physical education, unless prevented by some physical disability.

Women. All regular students and all special students carrying eight or more credits are required to take physical education, unless excused on account of physical disability.

The University Y. M. C. A.

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.

Fitting in naturally with the academic, social and athletic phases of the University, the Association definitely promotes the moral and spiritual aspect of student life, on and off the campus. Through the University of Hawaii Y.M.C.A. the students are affiliated with the North American Student Movement and the World Christian Student Federation with a membership of over 200,000.

Requirements for Admission

The requirements for admission to the two undergraduate Colleges are uniform.

Admission of Regular Students

1. Time of application for admission:
   Applications for admission should be filed early in the summer of the year in which entrance is desired, before June 30 if possible. There is a distinct advantage in filing credentials early. Applications presented after September 1 will not be considered until after registration day.

2. All applicants for entrance to regular standing are required to take a psychological examination.

3. Applicants will be given matriculation permits:
   (a) On the presentation of a school record showing that the candidate has completed 15 units of high school work in approved subjects with an average grade of 80% or better. Students applying in this group who fail seriously in the psychological examination will not be admitted. These 15 units must include 3 units in English in which the average grade is at least 80%, and to be admitted to an engineering course the candidate must present 3½ units of mathematics with an average grade of 80% or over.
(b) On the presentation of a school record showing that the candidate has passed in 15 units of high school work in approved subjects and the creditable passing of the above-mentioned psychological examination.

A statement issued by the College Entrance Examination Board, or by an officer of the University of Hawaii certifying that a candidate has passed an examination in any subject will be accepted as an equivalent to an 80% grade given by a preparatory school in the same subject. The eligibility for such examinations at the University of Hawaii shall be determined by the Entrance Committee and the officer concerned.

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 principal of the preparatory school attended by the student will be requested to submit for each applicant answers to a printed questionnaire. The questions asked will deal with the student's character, ability, preparatory school activities, and the principal's opinion of the probable success of the student in college.

4. Students may be admitted without examination by transfer from another college or university. Students thus transferring must present an official statement of the studies offered for admission, of the studies pursued in college and the grade received in each, and also a certificate of honorable dismissal.

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.

The University of Hawaii desires to make its requirements for admission as flexible as possible without lowering its standards. It does not wish to debar properly qualified students by setting up arbitrary requirements, nor does it wish to dictate to the secondary schools what shall be the precise nature of their courses. The only end which is kept in view is that the entering students shall be prepared to take up their more advanced courses successfully. Schools that certify pupils unqualified to do college work will not be regarded as accredited schools, and their certifications will not be accepted.

In general, the University does not stipulate what studies shall be offered in satisfying entrance requirements. To this general principle there are, however, two important exceptions.
No candidate will be admitted to regular standing in any course who does not offer the following: 3 units in English; 2 units in Mathematics.

Candidates desiring to study mathematics in the University must offer at least 2½ units in mathematics, covering elementary and intermediate algebra and plane geometry; those desiring to enter the course in Engineering must offer 3½ units in mathematics. Beginning in 1929 candidates for the 4-year course in Agriculture, the courses in Sugar Technology and in General Science, including Pre-Medical work, will not be accepted who do not offer for entrance elementary and intermediate algebra and plane geometry.

Attention is called to the rule that no person will be admitted as a special student who is under the age of 21 years, unless that person shall fully satisfy the entrance requirements for regular standing. It will be seen that no person under the age of 21 will be admitted either as a regular or as a special student who does not offer at least 3 units in English and 2 units in mathematics.

Candidates expecting to study engineering are strongly urged to begin the study of both physics and mechanical drawing while 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.

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

Students wishing to enter an advanced course in one of the modern languages must offer at least 2 units in that language. Students offering two or more units in a modern language will not be permitted to register in the elementary course in that language.

Students entering the College of Arts and Sciences should note that they must have completed French 101, Spanish 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.

Subjects in the following two groups are given for the guidance of students in planning high school work.
Requirements for Admission

GROUP A

From Group A at least 10 units should be offered.

- English
- *Latin
- *Greek
- *French
- *German
- *Hawaiian
- *Spanish
- *Oriental Languages and Literature
- Algebra
- Plane Geometry
- Solid Geometry
- Plane Trigonometry

- Physics
- Chemistry
- Botany
- Zoology
- Physiology
- General Science
- Physical Geography
- Ancient History
- General History
- English History
- U. S. History
- Civil Government

GROUP B

Any other five subjects or combinations of subjects to total five units, credited by the school toward its diploma, will be accepted. However, in no case will more than 2 units nor less than \( \frac{1}{2} \) unit be accepted in any subject, and such subjects must have been pursued in accordance with regular classroom procedure involving a reasonable amount of preparation in addition to the time spent in class.

In all courses the work of the Freshman year has been planned so as to permit of an easy transition from school to college. The only prescribed studies that demand prerequisites are mathematics and English.

ADMISSION OF SPECIAL STUDENTS

Candidates will be admitted as special students either (a) by fully satisfying the requirements for admission as a regular student, or (b) by filing with the Committee on Entrance satisfactory evidence of having attained the age of 21 years and of having sufficient training to carry on the work desired.

No person, however, shall be admitted as a special student before his class in a secondary school has been graduated, except by special permission of the University Faculty.

ADMISSION OF GRADUATE STUDENTS

The requirements for admission as a graduate student are stated in conjunction with the requirements for receiving an advanced degree.

*Entrance credit for languages will not be granted unless at least two units in some one language are offered.
Degrees

Baccalaureate Degrees

On satisfactory completion of a regular course in the College of Applied Science a student 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.

Advanced Degrees

Special attention is directed to the unusual advantages of Hawaii for research in botany, entomology, marine zoology, and certain phases of geology. The great variations of elevation, rainfall, and temperature to be found within short distances provide remarkable conditions for ecological studies. The presence of active and extinct volcanoes, lava flows of many ages, and unique conditions of erosion provide numerous interesting geological problems. The character of the population and the geographical situation of the Hawaiian Islands make this a field of exceptional interest for work in the social and economic sciences.

Advanced students from other institutions and investigators desiring to study special problems, are invited to make use of the facilities of the University of Hawaii for study and research.

The advanced degree of Master of Science (M.S.) or Master of Arts (M.A.) will be granted to Bachelors on the satisfactory completion of advanced work for which their previous education has laid the necessary foundation.

The student must also present an acceptable thesis and pass the required examinations.

The degree of Civil Engineer (C.E.) will be granted to Bachelors of Science in Civil Engineering from this institution, who 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.
To be accepted as a candidate for an advanced degree, the applicant must be a graduate of the University of Hawaii or of some other institution of equal standing. The application should be made in writing to the Committee on Graduate Work not later than October 1 and should be accompanied by transcript of record issued by the institution from which the applicant has received his bachelor's degree. In case the amount of undergraduate work is deemed insufficient, the applicant, if accepted, may be required to take other undergraduate courses.

A full time graduate student must ordinarily work under the direction of a special committee for at least a year in residence. Part time graduate students, teachers, etc., will, ordinarily, be required to offer at least two academic years of work, together with full time work in one summer vacation (preferably the intervening one) under the direction of the University of Hawaii; or to offer not less than three academic years of work, not including work in the summer vacation, before receiving a master's degree. It is expected that the work done for the master's degree will require at least 1600 actual working hours.

In general, work for the master's degrees may not be done in absentia. Graduates of the University of Hawaii, however, may be allowed to do work in absentia if the problem under investigation is of such a nature as to require it. The privilege of doing work in absentia may be granted under similar conditions to graduates of other institutions who have completed one full year of part time work or one semester of full time work at the University of Hawaii.

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 degrees, 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.

As a rule, lower division courses will not be accepted for credit toward the advanced degree. In general, upper division courses may be taken for credit toward the advanced degree, some for full credit, others for partial credit, the amount to be determined by the Committee on Graduate work.

A matriculation fee of five dollars is required of all candidates for advanced degrees.

Candidates should signify their intention of continuing their candidacy by registration at the beginning of each year. Candidates enrolled in regular undergraduate classes should register at the beginning of each semester.
The advanced work may be restricted to one subject only, 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 purpose.

The general subject 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 not later than December 1st of the collegiate year 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 Committee's approval as demonstrating the candidate's ability both to do original work and also to present the results of that work in creditable form. The thesis, accompanied by the written approval of the chairman of the candidate's committee, will be returned for use in the examination or for binding. Before the candidate is granted a degree, a typewritten copy of the thesis on pages 8½x11 inches in size, bearing the written approval of the professor 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.

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 written and oral. It shall be open to all members of the faculty. Requests for examinations should be made in writing to the Committee on Graduate Work not later than April 15, and the Committee will announce the time and place of examination not later than May 1.

Preparation for Professional Degrees

The prospective student of medicine may follow here either of two lines of procedure. He may take a two-year course, taking only such studies as are required for admission to the medical school. Or he may remain here for three or four years, thereby obtaining a fuller 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 3 must be in English, 2 in some one foreign language, 2 in mathematics, and 1 in history.

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

**Required Subjects**

<table>
<thead>
<tr>
<th>Semester Hours</th>
<th>University of Hawaii Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>20 Chem. 101 or 102, 105 and 106, 124.</td>
</tr>
<tr>
<td>Physics</td>
<td>8 Physics 102.</td>
</tr>
<tr>
<td>Biology</td>
<td>8 Botany 101, Zool. 150 and 151.</td>
</tr>
<tr>
<td>English Composition</td>
<td>6 English 100.</td>
</tr>
</tbody>
</table>

**Other non-science subjects:**

History, language, economics

**Subjects Strongly Urged**

<table>
<thead>
<tr>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A modern foreign language</td>
</tr>
<tr>
<td>Advanced botany or advanced zoology</td>
</tr>
<tr>
<td>Psychology</td>
</tr>
<tr>
<td>Advanced mathematics, including trigonometry</td>
</tr>
</tbody>
</table>

**Other Suggested Electives**

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

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

**SCHOLARSHIPS**

To help worthy students in their efforts to obtain a university education, several scholarships have been established here. Most of these are awarded by the University of Hawaii, but in a few instances the recipient of the benefit is named by the donor of the scholarship, as indicated below. Applications for the former should be addressed to the University of Hawaii before May 30.

*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 upper classman 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.

University Club Sophomore Scholarship.—This scholarship of $100 is awarded for the Sophomore year to that needy student who makes the best record in the work of the Freshman year.

Prince Fushimi Memorial Educational Fund.—The sum of $300 is available annually for the assistance of American citizens of Japanese ancestry of high scholastic and good moral standing who are unable to pay 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 $3000 has been given to the University of Hawaii to endow scholarships for students of Chinese ancestry. The income is awarded to three students of the Junior or Senior classes, preferably two men and one woman.

Stephen Spaulding Scholarship.—The income of an endowment of $2500, 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.

Representatives Club Scholarship.—This scholarship of $75.00 is offered to that graduate of McKinley High School who seems most deserving on the basis of need, character, scholastic and general attainments. The selection is by the Representatives Club.

BERNDT PRIZE

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

PROGRAMS OF STUDY

The College of Applied Science offers two types of programs of study:

*Four-year* programs leading to the degree of Bachelor of Science, the diploma to designate the course which has been pursued; and a

*Two-year* program which is more specialized and designed for those who require a shorter period of collegiate work.

In order to receive a degree in one of the four-year programs, a candidate must have been registered in that course for at least one year previous to graduation.

The four-year programs are as follows:
1. Agriculture.
2. Engineering.
3. Sugar Technology.
4. Home Economics.
5. General Science.

The two-year program is in Agriculture.

AGRICULTURE

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

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 lectures, supplemented by laboratory investigations and field experiments. 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.

OUTLINE OF FOUR-YEAR COURSE IN AGRICULTURE

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.
### Agriculture

#### FIRST YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem.</th>
<th>Credits 2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Botany</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Zoology</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Animal Husbandry</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Military Science</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

All electives throughout the course are to be chosen with the advice and consent of adviser.

#### SECOND YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem.</th>
<th>Credits 2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>2 or 3</td>
<td>2 or 3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Plant Physiology</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Bacteriology or Plant Pathology</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Physics</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Geology</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Horticulture</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Military Science</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

#### THIRD YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem.</th>
<th>Credits 2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entomology</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Biological Chemistry</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Agricultural Chemistry</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Quantitative Analysis</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Soils</td>
<td>5</td>
<td>-</td>
</tr>
<tr>
<td>Crops</td>
<td>5</td>
<td>-</td>
</tr>
<tr>
<td>Bacteriology or Plant Pathology</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Forestry</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Genetics</td>
<td>3</td>
<td>-</td>
</tr>
</tbody>
</table>

Students intending to enter pineapple work are advised to take Agriculture 258 in the summer after the Junior year.

#### FOURTH YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem.</th>
<th>Credits 2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Sugar Cane Production</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>Dairying</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Poultry Husbandry</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Feeds and Feeding</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Pineapple Production</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>Applied Genetics</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>Thesis</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>-</td>
<td>3</td>
</tr>
</tbody>
</table>
Pineapple Field Practice .......... Agr. 263. To be chosen during the second semester by seniors who are majoring in pineapple work. This will then take the place of courses as listed above. Credit 16 semester hours.

AGRICULTURAL EDUCATION

Students who wish to fit themselves as teachers of Agriculture will be required to elect a certain amount of work in Psychology and in Education as well as certain required courses particularly treating of the teaching of Agriculture. These students will be expected to secure approximately 40 credits in Technical Agriculture as well as devoting a certain amount of time to actual Field Practice. At least part of this latter requirement must be completed during the summer vacations. The program of studies covering the first two years of this four-year course follows:

OUTLINE OF COURSE IN AGRICULTURAL EDUCATION

FIRST YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem.</th>
<th>Credits 2nd Sem.</th>
<th>Credits 2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>English 100</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics*</td>
<td>Math. 150 and 151</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Chem. 101, or 102</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Botany</td>
<td>Bot. 101</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Zoology</td>
<td>Zool. 150</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Animal Husbandry</td>
<td>Agr. 151</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Military Science</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

SECOND YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem.</th>
<th>Credits 2nd Sem.</th>
<th>Credits 2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Eng. 120, or 130</td>
<td>2 or 3</td>
<td>2 or 3</td>
</tr>
<tr>
<td>Plant Physiology</td>
<td>Botany 106</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Bacteriology, or Plant Pathology</td>
<td>Botany 151, or 153</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Physics</td>
<td>Phys. 102</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Horticulture</td>
<td>Agr. 261</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>Psych. 150</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Soils</td>
<td>Agr. 250</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Poultry Husbandry</td>
<td>Agr. 255</td>
<td>3</td>
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</tr>
<tr>
<td>Military Science</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

Third and fourth year programs are to be published in 1928-1929.

* Students who offer 3½ units of Mathematics for entrance will not be required to take Mathematics 150 and 151.
Engineering

TWO-YEAR COURSE

The two-year course in agriculture is an innovation this year. It is a more intensive and specialized course for those who desire to complete their collegiate training in a shorter time and still get the actual essentials for practical farm or plantation work. A diploma is awarded upon the successful completion of this program. A detailed outline of this course will be sent upon request.

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. (See Entrance Requirements, page 28.) 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 skilful practical engineers. So far as possible, the importance of each subject covered is illustrated by the application to some work which is met with 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.
# OUTLINE OF COURSE IN CIVIL ENGINEERING

## FIRST YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits</th>
<th>1st Sem.</th>
<th>2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>English 100</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>Chem. 101 or 102</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Mechanical Drawing</td>
<td>M. D. 101</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Analytical Geometry and Trig., Algebra and Calculus</td>
<td>Math. 104</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Plane Surveying</td>
<td>C. E. 101</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Military Science</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

## SECOND YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits</th>
<th>1st Sem.</th>
<th>2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus</td>
<td>Math. 106</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Descriptive Geometry</td>
<td>M. D. 133</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>English</td>
<td>Eng. 120 or 130</td>
<td>2 or 3</td>
<td>2 or 3</td>
</tr>
<tr>
<td>Roads and Pavements</td>
<td>C. E. 125</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>General Physics</td>
<td>Phys. 150 and 151</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Office and Shop Methods</td>
<td>M. E. 129</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Military Science</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

## THIRD YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>1927-1928</th>
<th>1928-1929</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Mechanics</td>
<td>C.E.252</td>
<td>4</td>
</tr>
<tr>
<td>Structural Mechanics</td>
<td>C.E.253</td>
<td>4</td>
</tr>
<tr>
<td>Theoretical Hydraulics</td>
<td>C.E.255</td>
<td>3</td>
</tr>
<tr>
<td>Materials of Construction</td>
<td>M.E.252</td>
<td>3</td>
</tr>
<tr>
<td>Economics</td>
<td>Econ.252</td>
<td>3</td>
</tr>
<tr>
<td>Astronomy</td>
<td>Math.250</td>
<td>3</td>
</tr>
<tr>
<td>Steam Machinery</td>
<td>M.E.282</td>
<td>3</td>
</tr>
<tr>
<td>Geology for Engineers</td>
<td>Geol.256</td>
<td>3</td>
</tr>
<tr>
<td>Topographical Surveying</td>
<td>C.E.201</td>
<td>3</td>
</tr>
<tr>
<td>Railroad Surveying</td>
<td>C.E.227</td>
<td>3</td>
</tr>
<tr>
<td>Materials Laboratory</td>
<td>X.E.253</td>
<td>3</td>
</tr>
<tr>
<td>Physics (Electricity and Light)</td>
<td>Phys.250, 251</td>
<td>2</td>
</tr>
<tr>
<td>Irrigation Engineering</td>
<td>C.E.257</td>
<td>2</td>
</tr>
</tbody>
</table>
Sugar Technology

FOURTH YEAR.

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>1927-1928</th>
<th>1928-1929</th>
</tr>
</thead>
<tbody>
<tr>
<td>Astronomy</td>
<td>Math.250</td>
<td>3</td>
</tr>
<tr>
<td>Steam Machinery</td>
<td>M.E.282</td>
<td>-</td>
</tr>
<tr>
<td>Geology for Engineers</td>
<td>Geol.256</td>
<td>-</td>
</tr>
<tr>
<td>Economics</td>
<td>Econ.252</td>
<td>3</td>
</tr>
<tr>
<td>Topographical Surveying</td>
<td>C.E.201</td>
<td>3</td>
</tr>
<tr>
<td>Railroad Surveying</td>
<td>C.E.227</td>
<td>-</td>
</tr>
<tr>
<td>Physics (Advanced Electricity)</td>
<td>Phys.200</td>
<td>3</td>
</tr>
<tr>
<td>Structural Design</td>
<td>C.E.276</td>
<td>3</td>
</tr>
<tr>
<td>Bridge Design</td>
<td>C.E.277</td>
<td>3</td>
</tr>
<tr>
<td>Concrete and Masonry Structures</td>
<td>C.E.279</td>
<td>-</td>
</tr>
<tr>
<td>Contracts and Specifications</td>
<td>M.E.283</td>
<td>-</td>
</tr>
<tr>
<td>Hydraulic Constructions</td>
<td>C.E.282</td>
<td>2</td>
</tr>
<tr>
<td>Municipal Engineering</td>
<td>C.E.229</td>
<td>3</td>
</tr>
</tbody>
</table>

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, the first two years being devoted largely to English, mathematics, physics, and chemistry. 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 two years are 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 a field 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 eight 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. To obtain credit for this, the student must submit a written report of the work performed.

The second semester of the fourth year is devoted almost entirely to practical work. Arrangements are made whereby students in the Sugar 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 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.
### OUTLINE OF COURSES IN SUGAR TECHNOLOGY

**Agricultural Division**

#### FIRST YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem.</th>
<th>Credits 2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>Eng. 100</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Math. 150 and 151</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Chem. 101 or 102</td>
<td>4</td>
</tr>
<tr>
<td>Botany</td>
<td>Bot. 101</td>
<td>3</td>
</tr>
<tr>
<td>Drawing</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Military Science</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

**Suggested Electives:** History, American Institutions, Modern Language (French or Spanish).

Summer Farm Practice. Agriculture 150. Summer vacation. (This may be taken at end of either freshman or sophomore year.)

#### SECOND YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem.</th>
<th>Credits 2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Eng. 120 or 130</td>
<td>2 or 3</td>
</tr>
<tr>
<td>Qualitative Analysis</td>
<td>Chem. 124</td>
<td>3</td>
</tr>
<tr>
<td>Physics</td>
<td>Phys. 102</td>
<td>4</td>
</tr>
<tr>
<td>Surveying</td>
<td>C. E. 101</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3 to 6</td>
</tr>
<tr>
<td>Military Science</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

**Suggested Electives:** Plant Physiology (Bot. 106), Zoology 150, Geology 252, Bacteriology or Plant Pathology (Bot. 151 or 153), Modern Language (French or Spanish), Chemistry 105 and 106, Forestry (Agr. 259), Horticulture (Agr. 261).

#### THIRD YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem.</th>
<th>Credits 2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sugar Analysis</td>
<td>S. T. 201</td>
<td>3</td>
</tr>
<tr>
<td>Soils</td>
<td>Agr. 250</td>
<td>5</td>
</tr>
<tr>
<td>Crops</td>
<td>Agr. 251</td>
<td>5</td>
</tr>
<tr>
<td>Genetics</td>
<td>Agr. 254</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>*Field Practice</td>
<td>S. T. 253</td>
<td>-</td>
</tr>
</tbody>
</table>

*Taken in the summer vacation following the Junior year.*
**Sugar Technology**

**Suggested Electives:**

- Agricultural Chemistry (Chem. 261).
- Biological Chemistry (Chem. 260).
- Quantitative Analysis (Chem. 230).
- Bacteriology (Bot. 151).
- Plant Pathology (Bot. 153).
- Entomology 250 and 251.
- Forestry (Agr. 259).
- Horticulture (Agr. 261).

### FOURTH YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits</th>
<th>1st Sem.</th>
<th>2d Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sugar-house Calculations</td>
<td>S. T. 250</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Sugar Manufacture</td>
<td>S. T. 252</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sugar Cane Production</td>
<td>Agr. 252</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>Econ. 150</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>5 or 6</td>
<td></td>
</tr>
<tr>
<td>Field Practice</td>
<td>S. T. 255</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

**Suggested Elective:**

- Applied Genetics (Agr. 262).

### SUGAR CHEMISTRY DIVISION

### FIRST YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits</th>
<th>1st Sem.</th>
<th>2d Sem.</th>
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<tbody>
<tr>
<td>English Composition</td>
<td>Eng. 100</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Math. 150 and 151</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Chem. 101 or 102</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Botany</td>
<td>Bot. 101</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Drawing</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Military Science</td>
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**Suggested Elective:** French.

### SECOND YEAR

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<th>Credits</th>
<th>1st Sem.</th>
<th>2d Sem.</th>
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</thead>
<tbody>
<tr>
<td>English</td>
<td>Eng. 120 or 130</td>
<td>2 or 3</td>
<td>2 or 3</td>
</tr>
<tr>
<td>Qualitative Analysis</td>
<td>Chem. 124</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Physics</td>
<td>Phys. 102</td>
<td>4</td>
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<td>Electives</td>
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<tr>
<td>Military Science</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>
**Suggested Electives:**

- Modern Language (French).
- Geology 252.
- Bacteriology (Bot. 151).
- Plant Pathology (Bot. 153).
- Surveying (C. E. 101).
- Zoology 150.
- Organic Chemistry (Chem. 105 and 106).

### THIRD YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Soils</td>
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<tr>
<td>Crops</td>
<td>Agr. 251</td>
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<tr>
<td>Sugar Analysis</td>
<td>S. T. 201</td>
<td>3</td>
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<td>Electives</td>
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<td>9-12</td>
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<tr>
<td>*Field or Mill Practice</td>
<td>Summer S.T. 253</td>
<td>6</td>
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</table>

**Suggested Electives:**

- Quantitative Chemistry (Chem. 230).
- Agricultural Chemistry (Chem. 261).
- Biological Chemistry (Chem. 260).
- Bacteriology or Pathology (Bot. 151 or 153).
- Physical Chemistry (Chem. 211).
- Physical Chemistry Laboratory (Chem. 212).

### FOURTH YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sugar Cane Production</td>
<td>Agr. 252</td>
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<tr>
<td>Sugar Manufacture</td>
<td>S. T. 252</td>
<td>3</td>
</tr>
<tr>
<td>Sugar-house Calculations</td>
<td>S. T. 250</td>
<td>1</td>
</tr>
<tr>
<td>Economics</td>
<td>Econ. 150</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>6</td>
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<tr>
<td>Field or Factory Practice</td>
<td>S. T. 255 or 257</td>
<td>- 16</td>
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</table>

**Suggested Electives:**

- Accounting (Com. 150).
- Quantitative Analysis (Chem. 216).
- Physical Chemistry (Chem. 211).
- Physical Chemistry Laboratory (Chem. 212).

*A required course taken in the summer vacation following the Junior year.*
### Sugar House Engineering Division

#### First Year

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem</th>
<th>Credits 2nd Sem</th>
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<tbody>
<tr>
<td>Analytic Geometry, Algebra and Calculus</td>
<td>Math. 104</td>
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<tr>
<td>English Composition</td>
<td>Eng. 100</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Chem. 101 or 102</td>
<td>4</td>
</tr>
<tr>
<td>Mechanical Drawing</td>
<td>M. D. 101</td>
<td>2</td>
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<tr>
<td>Plane Surveying</td>
<td>C. E. 101</td>
<td>3</td>
</tr>
<tr>
<td>Military Science</td>
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</table>

*Suggested Elective: French or Spanish.*

#### Second Year

<table>
<thead>
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<th>Name of Course</th>
<th>Credits 1st Sem</th>
<th>Credits 2nd Sem</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Eng. 120 or 130</td>
<td>2 or 3</td>
</tr>
<tr>
<td>Physics</td>
<td>Phys. 150 and 151</td>
<td>3</td>
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<tr>
<td>Qualitative Analysis</td>
<td>Chem. 124</td>
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<tr>
<td>Organic Chemistry</td>
<td>Chem. 105</td>
<td>3</td>
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<tr>
<td>Calculus</td>
<td>Math. 106</td>
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<tr>
<td>Shop and Office Methods</td>
<td>M. E. 129</td>
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<td>Military Science</td>
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#### Third Year

<table>
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<th>Name of Course</th>
<th>Credits 1st Sem</th>
<th>Credits 2nd Sem</th>
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<tbody>
<tr>
<td>Quantitative Analysis</td>
<td>Chem. 230</td>
<td>3</td>
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<tr>
<td>Sugar Analysis</td>
<td>S. T. 201</td>
<td>3</td>
</tr>
<tr>
<td>Analytical Mechanics</td>
<td>C. E. 252</td>
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<tr>
<td>Structural Mechanics</td>
<td>C. E. 253</td>
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<tr>
<td>Hydraulics-Theoretical</td>
<td>C. E. 255</td>
<td>-</td>
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<tr>
<td>Engineering Laboratory</td>
<td>X. E. 253</td>
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<tr>
<td>Steam Machinery</td>
<td>M. E. 282</td>
<td>3 or 0</td>
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<tr>
<td>Elective</td>
<td></td>
<td>3 or 6</td>
</tr>
<tr>
<td>Physics (Electricity and Light)</td>
<td>Phys. 250 and 251</td>
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</table>

*Summer Field Practice S. T. 253 2 2

#### Fourth Year

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem</th>
<th>Credits 2nd Sem</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sugar-House Calculations</td>
<td>S. T. 250</td>
<td>1</td>
</tr>
<tr>
<td>Sugar Manufacture</td>
<td>S. T. 252</td>
<td>3</td>
</tr>
<tr>
<td>Engineering of Sugar-Plants</td>
<td>M. E. 284</td>
<td>4</td>
</tr>
<tr>
<td>Economics</td>
<td>Econ. 150</td>
<td>3</td>
</tr>
<tr>
<td>Steam Machinery</td>
<td>M. E. 282</td>
<td>0 or 3</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3 or 0</td>
</tr>
<tr>
<td>Physics (Adv. Electricity)</td>
<td>Phys. 200</td>
<td>3</td>
</tr>
<tr>
<td>Factory Practice</td>
<td>S. T. 257</td>
<td>16</td>
</tr>
</tbody>
</table>

*Taken in the summer vacation following the Junior year.*
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. Students may, with the consent of the Adviser, substitute other courses to replace those given in the list of suggested electives.

Students in either the class of 1928 or 1929 will not be held to this new program, but will be expected to fulfill the requirements for the course in operation at the time of their admission.

OUTLINE OF COURSES IN HOME ECONOMICS

HOUSEHOLD ART MAJOR

FIRST YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem.</th>
<th>Credits 2nd Sem.</th>
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</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>English 100</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry, Inorganic</td>
<td>Chem. 101, 102</td>
<td>4</td>
</tr>
<tr>
<td>Elementary Food Preparation</td>
<td>H. S. 150</td>
<td>3</td>
</tr>
<tr>
<td>Elementary Nutrition</td>
<td>H. S. 151</td>
<td>-</td>
</tr>
<tr>
<td>Textiles, Garment Making</td>
<td>H. A. 100</td>
<td>3</td>
</tr>
<tr>
<td>Costume Appreciation</td>
<td>H. S. 150</td>
<td>1</td>
</tr>
<tr>
<td>Drawing</td>
<td>Art 100</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
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</table>

Suggested Elective: History 100.

SECOND YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem.</th>
<th>Credits 2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Literature</td>
<td>Eng. 130</td>
<td>3</td>
</tr>
<tr>
<td>Color and Design</td>
<td>Art 110</td>
<td>3</td>
</tr>
<tr>
<td>Dressmaking</td>
<td>H. A. 101</td>
<td>3</td>
</tr>
<tr>
<td>Food Economics</td>
<td>H. S. 102</td>
<td>3</td>
</tr>
<tr>
<td>Economics</td>
<td>Econ. 150, 151</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Electives</td>
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<td>0 to 3</td>
</tr>
</tbody>
</table>

### THIRD YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits</th>
<th>1st Sem.</th>
<th>2nd Sem.</th>
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</thead>
<tbody>
<tr>
<td>Interior Decoration</td>
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<tr>
<td>Costume Design</td>
<td>Art 200</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Millinery</td>
<td>H. S. 200</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>History of Architecture</td>
<td>Art 250</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>History of Painting</td>
<td>Art 251</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
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<td>6 to 9</td>
<td>6 to 9</td>
</tr>
</tbody>
</table>

Suggested Electives: Art 210; Sociology 250, 259; Psychology 150; Education 151; Foreign Language (French or Spanish); History 124, 125, 291.

### FOURTH YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits</th>
<th>1st Sem.</th>
<th>2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Dressmaking</td>
<td>H. A. 250</td>
<td>3</td>
<td>-</td>
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<td>Physical Education</td>
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<tr>
<td>Elective</td>
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Suggested Electives: Art 202, 210; Advanced courses in Psychology and Education; English 207, 208, 209, 250, 251.

### VOCATIONAL EDUCATION MAJOR

#### FIRST YEAR

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<tr>
<th>Name of Course</th>
<th>Credits</th>
<th>1st Sem.</th>
<th>2nd Sem.</th>
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<tbody>
<tr>
<td>English Composition</td>
<td>English 100</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry, Inorganic</td>
<td>Chem. 101, 102</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Elementary Food Preparation</td>
<td>H. S. 150</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Textiles, Garment Making</td>
<td>H. A. 100</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Costume Appreciation</td>
<td>H. A. 150</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Drawing</td>
<td>Art 100</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>0 to 3</td>
<td>0 to 3</td>
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</table>

Suggested Electives: Zoology 150, 151; Botany 101; Geography 150, 151.

#### SECOND YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits</th>
<th>1st Sem.</th>
<th>2nd Sem.</th>
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<tbody>
<tr>
<td>English</td>
<td>English 120, 130</td>
<td>2 or 3</td>
<td>2 or 3</td>
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<tr>
<td>Color and Design</td>
<td>Art 110</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Dressmaking</td>
<td>H. A. 101</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Food Economics</td>
<td>H. S. 102</td>
<td>3</td>
<td>3</td>
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<td>Psychology</td>
<td>Psy. 150</td>
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<td>-</td>
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<td>Education</td>
<td>Ed. 151</td>
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<td>Physical Education</td>
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<tr>
<td>Elective</td>
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Suggested Electives: Chemistry 105, 106; H. A. 153; Economics 150, 151.
## THIRD YEAR

<table>
<thead>
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<th>Name of Course</th>
<th>Credits</th>
<th>Credits</th>
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<td>Household Management... H. S. 250</td>
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<tr>
<td>*Infant and Child Care and Home Nursing</td>
<td>2 2</td>
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<tr>
<td>Educational Psychology... Psy. 250</td>
<td>3</td>
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<tr>
<td>Secondary Education... Ed. 251</td>
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<td>3</td>
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<tr>
<td>Physical Education</td>
<td>1 1</td>
<td></td>
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<tr>
<td>*Cafeteria Practice</td>
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<td>3</td>
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<td>Elective</td>
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<td>6 to 9</td>
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Suggested Electives: H. A. 200; H. S. 200, 251; Chem. 260; Art 200, 250, 251; Botany 151; Physiology 251.

## FOURTH YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits</th>
<th>Credits</th>
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<tbody>
<tr>
<td>**Practice House</td>
<td>3</td>
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<tr>
<td>Educational Measurements... Ed. 255</td>
<td></td>
<td>2</td>
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<tr>
<td>Principles of Teaching... Ed. 252</td>
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<td></td>
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<td>Practice Teaching... Ed. 253</td>
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<td>Psychology, Secondary Schools... Psy. 251</td>
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<tr>
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<td>Elective</td>
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<td>4 to 7</td>
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Suggested Electives: H. A. 250; Art 101, 201, 202, 210; H. S. 300.

## HOUSEHOLD SCIENCE MAJOR

## FIRST YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits</th>
<th>Credits</th>
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</thead>
<tbody>
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<td>English Composition... English 100</td>
<td>3 3</td>
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<tr>
<td>Inorganic Chemistry... Chem. 101, 102</td>
<td>4 4</td>
<td></td>
</tr>
<tr>
<td>Drawing... Art 100</td>
<td>2 2</td>
<td></td>
</tr>
<tr>
<td>Textiles and Elementary Garment Making... H. A. 100</td>
<td>3 3</td>
<td></td>
</tr>
<tr>
<td>Elementary Food Preparation... H. S. 150</td>
<td>3 -</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>1 1</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>0 to 3</td>
<td>3 to 6</td>
</tr>
</tbody>
</table>

Suggested Electives: Zoology 150, 151; Botany 101; Geography 150, 151.

* A projected course to be given in 1928-1929.
** A projected course to be given in 1929-1930.
SECOND YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>1st Sem.</th>
<th>2d Sem.</th>
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<tbody>
<tr>
<td>English</td>
<td>120, 130</td>
<td>2 or 3</td>
<td>2 or 3</td>
</tr>
<tr>
<td>Color and Design Art</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dressmaking and Designing H. A.</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Food Economics H. S.</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Organic Chemistry Chem.</td>
<td>3</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Organic Chemistry Laboratory</td>
<td>1</td>
<td></td>
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</tr>
<tr>
<td>Economics</td>
<td>3, 3*</td>
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</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Physiology</td>
<td>3</td>
<td></td>
<td></td>
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</tbody>
</table>

**THIRD YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>1st Sem.</th>
<th>2d Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Household Management H. S.</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biological Chemistry Chem.</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nutrition H. S.</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Bacteriology Botany</td>
<td>-</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>6 to 9</td>
<td>9 to 12</td>
<td></td>
</tr>
</tbody>
</table>

Suggested Electives: Sociology 250, 259; Chem. 124; H. A. 153, 200; Art 201; H. S. 251; Education 151; Psychology 150.

**FOURTH YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>1st Sem.</th>
<th>2d Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research in Nutrition H. S.</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>12 to 15</td>
<td>12 to 15</td>
<td></td>
</tr>
</tbody>
</table>

Suggested Electives: Chem. 230; Advanced courses in Education and Psychology; Art 200, 201, 202, 250, 251.

GENERAL SCIENCE

The General Science Course is designed for those students who do not wish to enter upon the strictly limited programs of study of the more professional courses of Engineering, Agriculture, Home Economics and Sugar Technology. It is intended

* Students desiring may elect Chemistry 124 and postpone Economics to the Junior year.

** Due to the fact that some of the required as well as elective work of the third and fourth years is at present given only in alternate years, it may be necessary to reverse some of the third and fourth year subjects. Third year electives may be taken in the fourth year.
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, and yet required to carry the major part of his elective work in some one group of sciences.

In order to graduate in the General Science Course the student must have passed the prescribed studies of the first and second years and have satisfactorily completed not less than a total of 136 credits. One of the two groups—Physical Sciences or Biological Sciences—must be selected, and not less than 60 per cent of the elective work of the course taken in this major group.

In the group of studies designated as Physical Sciences, the student has the opportunity of electing work in Chemistry, Physics, and Mathematics, thus becoming trained to take up work as a chemist or as an instructor in the physical sciences.

If the student prefers work in the group known as Biological Sciences he has the privilege of choosing such subjects as Botany, Zoology, Entomology and Household Science.

Students who plan to specialize in Chemistry, Zoology or Botany should have a working knowledge of French, since it is essential for advanced work in these subjects. Such students, therefore, should elect 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 course.

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 35). Attention of entering students is particularly called to the prerequisite for Physics 102. Students who enter with four years of high school mathematics are not required to elect Mathematics 150, 151 in their Freshman year.

**OUTLINE OF GENERAL SCIENCE COURSE**

**Prescribed Work**

**FIRST YEAR**

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem.</th>
<th>Credits 2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>Eng. 100</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Chem. 101 or 102</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>9-11</td>
<td>9-11</td>
</tr>
<tr>
<td>Military or Phys. Education</td>
<td>2 or 1</td>
<td>2 or 1</td>
</tr>
</tbody>
</table>

‡ Two credits for men; 1 credit for women.
### SECOND YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Eng. 120 or 130 - 2 or 3 2 or 3</td>
</tr>
<tr>
<td>Electives</td>
<td>14</td>
</tr>
<tr>
<td>‡Military or Phys. Education</td>
<td>2 or 1  2 or 1</td>
</tr>
</tbody>
</table>

#### 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>Bot. 101</td>
<td>Bot. 102, 106</td>
<td>Bot. 151, 153, 203,</td>
</tr>
<tr>
<td>Zool. 150, 151</td>
<td>Chem. 105, 106</td>
<td>208, 209, 240, 300</td>
</tr>
<tr>
<td>Geog. 150, 151</td>
<td>Zool. 100</td>
<td>Chem. 230, 260, 261</td>
</tr>
<tr>
<td>H. S. 100</td>
<td>Ent. 250, 251</td>
<td>Zool. 102, 152, 153,</td>
</tr>
<tr>
<td>Drawing</td>
<td>Geol. 252, 253, 256</td>
<td>300</td>
</tr>
<tr>
<td>Language or Political Science 100</td>
<td>H. S. 102</td>
<td>Ent. 300, 301</td>
</tr>
<tr>
<td></td>
<td>Physics 102</td>
<td>Agr. 250, 251, 254,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>256, 259, 261, 262</td>
</tr>
<tr>
<td></td>
<td></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>Bot. 101</td>
<td>Bot. 102, 106</td>
<td>Bot. 151, 153, 203,</td>
</tr>
<tr>
<td>Zool. 150, 151</td>
<td>Chem. 105, 106</td>
<td>208, 209, 240, 300</td>
</tr>
<tr>
<td>Geog. 150, 151</td>
<td>Zool. 100</td>
<td>Chem. 230, 260, 261</td>
</tr>
<tr>
<td>H. S. 100</td>
<td>Ent. 250, 251</td>
<td>Zool. 102, 152, 153,</td>
</tr>
<tr>
<td>Drawing</td>
<td>Geol. 252, 253, 256</td>
<td>300</td>
</tr>
<tr>
<td>Language or Political Science 100</td>
<td>H. S. 102</td>
<td>Ent. 300, 301</td>
</tr>
<tr>
<td></td>
<td>Physics 102</td>
<td>Agr. 250, 251, 254,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>256, 259, 261, 262</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Geol. 254, 255</td>
</tr>
</tbody>
</table>

*First year electives are open to Sophomores.
†First year science electives taken by Juniors and Seniors count half credit only. Second year electives are open to Juniors and Seniors.
‡Two credits for men; 1 credit for women.
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.

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

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 55).
(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 gained during the last half of the course.

Language Requirement. Students in the College of Arts and Sciences must complete French 101, Spanish 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 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

* For an explanation of grade points see page 25.
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 adviser’s approval, upon the registration card.

Group I. History, Economics, and Social Science.
Group II. Languages, Literature, and Art.
Group III. Natural and Physical Sciences.
Group IV. Education.
Group V. Commerce.

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

PRESCRIBED STUDIES

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem.</th>
<th>Credits 2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>Eng. 100</td>
<td>3</td>
</tr>
<tr>
<td>*A Science, Chem. 101 or 102; or Bot. 101; or Zool. 150, 151</td>
<td></td>
<td>4 or 3</td>
</tr>
<tr>
<td>American Institutions</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>**Elective</td>
<td></td>
<td>5 or 6</td>
</tr>
<tr>
<td>†Military Science or Physical Education</td>
<td></td>
<td>2 or 1</td>
</tr>
</tbody>
</table>

SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem.</th>
<th>Credits 2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Literature</td>
<td>Eng. 130</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>†Military Science or Physical Education</td>
<td></td>
<td>2 or 1</td>
</tr>
</tbody>
</table>

JUNIOR AND SENIOR YEARS

‡ All electives, except Physical Education for women.

GROUP ELECTIVES

In addition to the courses listed above as required of all students in the College of Arts and Sciences, certain elective

*May be taken in Sophomore year.
**See above.
†One credit for women; 2 credits for men.
‡Physical education is required of women during the four years.
courses must be chosen to meet the Group Requirements stated below. Other electives may be chosen as the student desires, provided the prerequisites of the courses are satisfied. The student is expected, however, to map out a plan of study with the aid of a Faculty Adviser. The Group Electives are listed under the heads of the respective groups, together with the year in which they can ordinarily be most advantageously taken.

Group I—History, Economics, and Social Science

Students preparing for the study of law or for public or social service will select this Group. Of the 96 elective semester hours, at least 42 are to be chosen from courses in History, Political Science, Sociology, Economics, Commerce, and Geography.

First Year: History 100, 104, 110, 140, 162, 193; Geography 150, 151.

Second Year: History 107, 123, 124, 125, 145, 172, 173, 175, 176; Political Science 110, 120; Economics 150, 151.


Group II—Languages, Literature, and Art

Students preparing for Journalism should select either this Group or Group I.

Art 250, 251 is a required course in this Group. Of the elective courses, a minimum of 40 semester hours must be chosen from the courses in English, French, Spanish, Hawaiian, Chinese, Japanese, Art 100, 101, 201, 202, 203, 210, 211; Sociology 250, 257, 259; Psychology 252, 253, and History 110.

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 34.

Of the 96 elective semester hours, at least 48 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 35.

First Year: Chemistry 101 or 102; Botany 101; Zoology 150 and 151; Mathematics 104, 150, 151, 152, 153.
Second Year: Chemistry 105, 106, 124; Zoology 100, 102, 152, 153; Physics 102; Botany 102, 106, 151, 153.

Third Year: Chemistry 230, 260, 261; Botany 203; Entomology 250, 251; Geology 252, 253; Physiology 251.

Fourth Year:* Chemistry 215, 216, 318; Botany 208, 209, 300; Zoology 300; Entomology 300, 301; Geology 254, 255, 300.

Group IV—Education

The number of semester hours to be chosen within this Group will vary with the subject or subjects the student is preparing to teach. In addition to the courses dealing with the subjects to be taught (see page 77) the student will select courses in Psychology and Education aggregating at least 20 semester hours.

Second Year: Education 151.

Third Year: Education 251; Psychology 250.

Fourth Year:* Education 200, 252, 253 and 255; Psychology 200, 251, 252, and 253.

Group V—Commerce

Students desiring a training in Commerce will register in this Group. The courses should be chosen in accordance with the following outline.

OUTLINE OF COURSE IN COMMERCE

FIRST YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits 1st Sem.</th>
<th>Credits 2nd Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition Eng. 100</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>American Institutions</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>A Modern Language (French, Spanish, Japanese or Chinese; see page 54)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Geography Geog. 150, 151</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Mathematics or History advised)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Military Science or Physical Education</td>
<td>2 or 1</td>
<td>2 or 1</td>
</tr>
</tbody>
</table>

* Junior courses are open to Seniors.
## Commerce

### SECOND YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Literature</td>
<td>Eng. 130</td>
<td>3</td>
</tr>
<tr>
<td>A Modern Language (cont.)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Elements of Economics</td>
<td>Econ. 150, 151</td>
<td>3</td>
</tr>
<tr>
<td>Accounting</td>
<td>Com. 150, 151</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Military Science or Physical Education</td>
<td></td>
<td>2 or 1</td>
</tr>
</tbody>
</table>

### THIRD YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Argumentation or Business Eng. 206 or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Correspondence</td>
<td>Eng. 201</td>
<td>2</td>
</tr>
<tr>
<td>Money and Banking</td>
<td>Econ. 260</td>
<td>3</td>
</tr>
<tr>
<td>Business Law</td>
<td>Com. 260, 261</td>
<td>2</td>
</tr>
<tr>
<td>Corporation Finance</td>
<td>Com. 264</td>
<td>3</td>
</tr>
<tr>
<td>Business Management</td>
<td>Com. 265</td>
<td>–</td>
</tr>
<tr>
<td>Marketing</td>
<td>Com. 270, 271</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

### FOURTH YEAR

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Accounting</td>
<td>Com. 252, 253</td>
<td>3</td>
</tr>
<tr>
<td>or Foreign Trade</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Elective in Commerce</td>
<td>Com. 274, 275</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>8</td>
</tr>
</tbody>
</table>
DETAILED STATEMENT OF

SUBJECTS OF INSTRUCTION*

AGRICULTURE

Professor Henke
Professor Bergman
Mr. .........................
A. H. P. C. Experiment Station Staff Members.

The University of Hawaii is advantageously situated for agricultural experiments and demonstrations. The climate permits of plant growth throughout the year. The alternation of wet and dry seasons affords opportunities for work under conditions both of rainfall and irrigation. To the facilities of the University are added those of the Territorial Board of Agriculture and Forestry, the Federal Experiment Station, Experiment Stations of the Hawaiian Sugar Planters’ Association and of the Association of Hawaiian Pineapple Canners and the Kamehameha Schools, the latter having placed an acre of pineapple land at Kapalama at the disposal of the Agronomy Division.

Lands.—The University farm comprises some sixty acres lying between the University buildings and the Manoa Stream. Any portion of it can be reached by a five minutes’ walk from the classrooms. About twenty-two acres, laid off in a permanent and definite system of one-acre fields, are under cultivation. The remainder is in pasture and unimproved fields. Though some of the latter are too rocky to plow, they may be utilized for experiments in forestry. The pasture lands are well fenced.

Roads.—A permanent graded road constitutes the axis of the farm, and branches from this give access to all cultivated fields.

Irrigation.—A twelve-inch irrigation line from the Manoa Stream, with five-inch laterals, provides water for the cultivated fields.

Laboratories.—The agricultural laboratories are well equipped with the necessary apparatus for carrying on experiments in connection either with class work or research work, and also contain collections of typical Hawaiian soils, seeds, dried and preserved plant specimens, feed stuffs, fertilizers and animal models.

* Explanation of course numbers:—100 to 199, Lower Division courses; 200 to 299, Upper Division courses; 300 to 399, Graduate courses. In each Division 00 to 49 indicate year courses; 50 to 99 indicate semester courses, even numbers first semester and odd numbers second semester.
† Leave of absence 1927-1928.
Buildings.—The buildings consist of a piggery, poultry houses, milking barn, bull and calf barn and feed room, dairy, horse barn, sheds for farm machinery and implements, tool shed, and six cottages for laborers.

Library.—An extensive collection of books dealing with agricultural subjects is found in the University Library. There is also a rather extensive file of U. S. Department of Agriculture publications and bulletins, as well as those of the various state experiment stations. The leading agricultural magazines are received regularly.

Livestock.—The University possesses a herd of fine dairy animals of both the Holstein and Guernsey breeds, Berkshire and Tamworth swine, and the necessary horses to do farm work.

Poultry.—A well equipped poultry plant covering an acre of ground and stocked with approximately twelve hundred fowls affords students an opportunity to gain a good practical experience in poultry production. The breed that predominates and is used for the various breeding, feeding, and general management experiments is the S. C. White Leghorn. Pens of S. C. Brown Leghorns, Barred Plymouth Rocks and Rhode Island Reds are also maintained.

150. SUMMER FARM PRACTICE. 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.

Professors Henke and Krauss.

151. ANIMAL HUSBANDRY. A general study of the important breeds of horses, cattle, sheep, and swine, their feeding, care and management. Required of Freshman in Agriculture. Lectures, recitations and laboratory work. Fee $1.00. Second semester, 3 credits. Professor Henke.

250. SOILS. Origin, composition, tilth, and fertility of soils with special reference to the Hawaiian Islands. Required of Juniors in Agriculture and Sugar Technology, Agriculture and Chemistry divisions. Three lectures or recitations and two laboratory periods each week. Fee $3.00; returnable deposit $2.00. First semester, 5 credits. Professor Henke.

251. Crops. A study of the history, botany and culture of the leading tropical and temperate zone crops with special em-
phasis 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. (Not given in 1927-1928.) \textit{Professor Krauss.}

252. \textbf{SUGAR CANE PRODUCTION.} A study of the varieties of cane, their planting, irrigation, fertilization, and harvesting. Four lectures on irrigation by Professor H. S. Palmer. Includes visits to various experimental fields and plantations. Students are required to keep Fridays as free from other work as possible for field trips. Required of Seniors in Agriculture and Sugar Technology, Agriculture and Chemistry Divisions. Prerequisite: Agriculture 250 and 251. Lectures, recitations, and laboratory periods. Fee $7.50, which includes transportation on plantation trips. First semester, 4 credits. \textit{Professor Henke.}

253. \textbf{DAIRYING.} A study of dairy cows, the production, handling, and marketing of milk and milk products, milk testing and separation, butter-making, etc. Required of Seniors in Agriculture. Two lectures or recitations, and one laboratory period a week. Fee $1.00. Second semester, 3 credits. \textit{Professor Henke.}

*254. \textbf{GENETICS.} 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. Lectures, recitations and laboratory work. Fee $1.00. First semester, 3 credits. \textit{Professor Bergman.}

255. \textbf{POULTRY HUSBANDRY.} A study of poultry types and breeds; their feeding, housing, marketing, and general care; the operation and care of incubators and brooders. Required of Seniors in Agriculture. Two lectures or recitations and one laboratory period a week. Fee $1.00. Second semester, 3 credits.

257. \textbf{FEEDS AND FEEDING.} A detailed study of the feeding of all kinds of farm and plantation animals. Required of Seniors in Agriculture. Lectures and recitations. Second semester, 3 credits. \textit{Professor Henke.}

258. \textbf{SUMMER PINEAPPLE FIELD PRACTICE.} Properly qualified students will be recommended for 8 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. H. P. C. Experiment Station Staff.

259. FORESTRY. A study of general forestry problems, with special reference to those of the Hawaiian Islands. The course is given every other year, alternating with Horticulture. Required of Sophomores or Juniors in Agriculture. Fee $1.00. Second semester, 3 credits.

*260. PINEAPPLE PRODUCTION. A study of pineapple production in all its phases, paralleling the course in Sugar Production. Advised prerequisite: Agriculture 258. Required of Seniors in Agriculture. Fee $2.00. First semester, 4 credits.

A. H. P. C. Experiment Station Staff.

*261. HORTICULTURE. A general study of horticulture with special reference to the fruits and vegetables of the Hawaiian Islands. The course is given every other year, alternating with Forestry. Required of Sophomores or Juniors in Agriculture and elective for Sophomores or Juniors in Sugar Technology, Agriculture division. Fee $1.00. Second semester, 3 credits. (Not given in 1927-1928.)

Professor Krauss.

*262. APPLIED GENETICS AND BREEDING. 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. Required of Seniors in Agriculture. Fee $1.00. First semester, 3 credits.

Dr. Mangelsdorf.

263. SENIOR FIELD PRACTICE IN PINEAPPLE PRODUCTION. 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. H. P. C. Experiment Station Staff.

265. AGRICULTURAL THESIS. Advanced individual work in field and laboratory, with accompanying library work. Required of Seniors in Agriculture. Second semester, 6 to 10 credits.

Professors Henke and Krauss.
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.

Professors Henke and Krauss.

ART

Professor Chipman  
Mr. Luquiens

The Department of Art is provided with two laboratories, a kiln room, and a storeroom for supplies. The Drawing and Design studios are equipped with casts, drawing models, color charts, a Maxwell wheel and discs, pottery and oriental brasses for still life, an etching press, a stereopticon and illustrative material such as slides, photographs and textiles.

100. Freehand Drawing. Freehand perspective; drawing in outline and in light and shade from ornamental forms, natural objects, and casts, in pencil and charcoal; composition; memory sketching. Open to regular and special students. Required of students in Home Economics. Students who have received entrance credits in freehand drawing and perspective, or have otherwise presented satisfactory evidence of preparation, are given more advanced work. Two periods studio. First and second semesters, 2 credits each.

Mr. Luquiens.

101. Drawing and Painting. The work of the course is chiefly in color; pastel, or oil if the student shows evidence of satisfactory preparation. Still life; study from the living model, head and costume; outdoor work in landscape. Prerequisite: Course 100, or corresponding qualification at the discretion of the instructor. Two periods studio. First and second semesters. 2 credits each. (Alternates with Course 210. Not offered in 1927-1928.)

Mr. Luquiens.

110. Color and Design. Theory of color, study of color values and harmonies, making of color scales and charts; instruction in the principles and practice of design as expressed in art line, dark and light, and color; interpretation of original designs in various mediums. Lectures and laboratory work. Prerequisite: Course 100. First and second semesters, 3 credits each.

Professor Chipman.

200. Costume Design. Art structure in its application to costume design; harmonies in spacing, rhythm, balance and color; costume drawing; study of individual types. Brief survey of historic costume; adaptation of historic to modern costume. Lectures, illustrated with stereopticon and laboratory work. Prerequisite: Course 110. First and second semesters. 2 credits each. (Not offered in 1927-1928.)

Professor Chipman.
201. **INTERIOR DECORATION.** Theory and practice in the application of principles of design and color to interior decoration in relation to architecture; technical rendering of problems in line and color; study of historic styles in furniture; designing of wall hangings and other decorative objects; interpretation of designs in suitable materials. Lectures illustrated with stereopticon, and laboratory. Prerequisite: Course 110. First and second semesters, 3 credits each. (Alternates with Course 202. Offered in 1927-1928.)

**Professor Chipman.**

202. **CERAMIC DESIGN AND PORCELAIN DECORATION.** Study of the principles of proportion and subordination which govern line and area composition and their application to specific problems in original design; discussion of the methods of pottery and porcelain manufacture and of the composition of ceramic colors, glazes, lustres, and metals; study of historic ceramics; consideration of good shapes in porcelain; application of original design to suitable porcelain forms in mediums adapted to the ware used; practice in the firing of ceramic ware. Lectures and laboratory. Prerequisite: Course 110. First and second semesters, 3 credits each. (Alternates with Course 201. Not offered in 1927-1928.)

**Professor Chipman.**

203. **ADVANCED CERAMIC DESIGN AND PORCELAIN DECORATION.** An opportunity is afforded to advanced students who have taken Course 202 to continue their work for a second year for credit, at the discretion of the instructor. First and second semesters, 3 credits each. (Not offered in 1927-1928.)

**Professor Chipman.**

210. **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 University. Prerequisite: Course 101, or corresponding qualification. Students are requested to confer with instructor before registering. Two periods, studio and outdoor work. First and second semesters, 2 credits each. (Alternates with Course 101. Offered in 1927-1928.)

**Mr. Luquiens.**

211. **ADVANCED PAINTING OR ETCHING.** An opportunity is offered to advanced students who have taken either Course 101 or Course 210 to continue their work in either line for a second year for credit, at the discretion of the instructor. First and second semesters, 2 credits each.

**Mr. Luquiens.**

250. **HISTORY OF ARCHITECTURE.** Study of the development of architectural styles of the ancient Egyptians, Chaldeans,
Greeks, and Romans, and of the Mediæval (Byzantine, Romanesque, Gothic) and Renaissance periods. Consideration of conditions, materials, etc., in their effect upon architecture. Lectures illustrated with stereopticon; recitation and assigned reading. Each student is required to have a set of prints selected from the University Prints Series. First semester, 3 credits. (Given in alternate years. Not offered in 1927-1928.) Professor Chipman.

(251) History of Sculpture and Painting. Historical and appreciative study of ancient and mediæval sculpture and of the great schools of painting. Discussion of principles of art structure and composition in relation to the masterpieces. Lectures illustrated with stereopticon; recitation and assigned reading. Each student is required to have a set of prints selected from the University Prints Series. Prerequisite: Course 250. Second semester, 3 credits. (Given in alternate years. Not offered in 1927-1928.) Professor Chipman.

N. B.—All work of students remains in the department during the college year. The University reserves the right to retain for a period of two years such work as it may select, and to keep permanently one piece of each student's work. Credit will be given for extra work above that required in the outlined courses.

BOTANY

Professor Bergman Mr. Degener

The University of Hawaii offers remarkable advantages for the study of botany in all its branches. There is no dormant season, so that specimens may be collected and experimental work in the field may be performed at any time. This enables the student to observe and study plants under natural conditions, thus increasing the interest in and adding to the value of the work.

The laboratories are fully equipped with microscopes and accessories, apparatus, chemicals, stains and other supplies necessary to botanical work. Water, gas and electricity are all at hand.

Attention is especially directed to the opportunities presented for work along special lines and for research. The accessibility of the coral reefs facilitates the collection of marine algae for systematic work and presents a great opportunity for the study of marine ecology.

The continuity of the growing season permits work to be carried on throughout the year. Conditions peculiar to the Islands introduce a number of special problems in tropical agriculture and horticulture, in addition to general problems, thus making plant physiology a particularly inviting field for study. The physiological equipment includes apparatus for the study of
respiration, oxidase and catalase activity, hydrogen-ion concentration by electrometric or colorimetric methods, electrical conductivity, and cryoscopic determinations so that physiological investigations may be carried on by the most exact methods.

The great diversity of environmental conditions within a range of a few miles offers excellent advantages for the study of ecology or for ecological research, particularly in plant succession.

The unusually high percentage of endemic plants in the Hawaiian flora makes the study of systematic botany very attractive. The University offers an exceptional opportunity in this line of work, because of its excellent herbarium and the extensive collection of systematic works in the library.

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 former are part of an assortment of about a thousand sheets of Hawaiian plants secured by Professor Rock from the Berlin Botanical Museum, where the Hillebrand collection is deposited. In addition, portions of the types of Hawaiian plants described by Dr. Asa Gray were also secured from the Harvard Herbarium, and photographs of other Hawaiian specimens in the Harvard, Berlin, Vienna, and Paris museums were taken. Recently the herbarium has obtained duplicates of the plants collected in Hawaii by the Galatea Expedition in 1842; also of Hawaiian plants collected by A. A. Heller in 1895. Besides the Hawaiian collection the herbarium possesses a set of plants collected on the Galapagos Islands by the California Academy of Science Expedition; also specimens from Australia, the Philippines, Java, Ceylon, Cuba, Mauritius, South and Central America, and New Zealand.

The library of systematic botany contains nearly all the atlases and texts of early voyages, and is practically complete as far as the original descriptions of Hawaiian plants are concerned. This, with the completeness of the herbarium, makes possible the preparation of monographs on various groups of Hawaiian plants. The library further includes such works as Maritius’ Natural History of Palms, the Flora Brasiliensis, many works on continental as well as insular floras, Das Pflanzenreich and several periodicals.

101. GENERAL BOTANY. A study of the organization of the plant body of seed-bearing plants. The structure of the members of the plant body, the relation of form to function and adjust-
ment to external conditions are given special attention during the first semester. This is followed in the second semester by a brief survey of the principal groups from algae to seed-bearing 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 is given special attention. Two periods laboratory and one hour lecture or recitation a week. Fee $2.00 per semester. First and second semesters, 3 credits each.

Professor Bergman and Mr. Degener.

102. **ELEMENTARY SYSTEMATIC BOTANY.** A study of native and introduced flowering plants, especially with reference to characters which are useful in determining their identity. Practice in the use of keys for identification and in the recognition of the more common forms and families on sight is emphasized. Two or more periods laboratory or field and one hour lecture or recitation a week, with assigned reading. Prerequisite: Botany 101. First and second semesters, 3 or more credits each.

Mr. Degener.

106. **PLANT PHYSIOLOGY.** A study of the physiological activities of the plant, such as absorption, translocation, synthesis of food materials, respiration, growth, and reproduction. Text: Duggar's "Plant Physiology." Prerequisite: Botany 101. Two periods laboratory and one hour lecture or recitation a week. General fee, $2.50; breakage deposit $3.00, per semester. First and second semesters, 3 credits each.

Professor Bergman.

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.

Professor Bergman.

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: Buchanan, "Household Bacteriology." Prerequisite: Botany 101 or one year of Zoology. One hour recitation or lecture and six hours laboratory per week. A general fee of $2.50, together with a breakage deposit of $5.00 is required in this course. Second semester, 3 credits.

Professor Bergman.
153. **Elementary 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. Two periods laboratory and one hour lecture or recitation a week. Fee $3.50. Second semester, 3 credits. (Offered in alternate years. Given in 1927-1928.)

*Professor Bergman.*

203. **Plant Ecology.** A study of plants in relation to the environment. The use of exact methods in the measurement of factors of the environment and of the effect of these factors on the plant. Studies in migration, invasion, competition and dominance in relation to plant succession, and the use of exact methods of determining the composition of the plant community. Prerequisites: Botany 102, 106 and 209. Two or three periods field or laboratory with one hour lecture or recitation a week and assigned reading. Fee $2.00 per semester. First and second semesters, 2 or 3 credits each. (Offered in alternate years. Given in 1927-1928.)

*Professor Bergman.*

208. **Advanced Plant Physiology.** An experimental study of the processes of nutrition and growth of plants, with collateral reading and conference, and written reports. Text: Palladin, "Physiology of Plants." Prerequisite: Botany 101 and 106 and Organic Chemistry and Chemistry 310. Two or three laboratory periods per week. Fee $5.00 per semester. First and second semesters, 2 or 3 credits each.

*Professor Bergman.*

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 McDaniel "Introduction to Plant Anatomy." Prerequisite: Botany 101; Botany 107 desirable but not required. Two laboratory periods and one hour recitation a week with assigned reading. First and second semesters, 3 credits each.

*Professor Bergman.*

240. **Plant Biochemistry.** The isolation, purification, and identification of organic and inorganic plant constituents with a study of their probable origin and function in the plant. Prerequisite: Botany 208. Three laboratory periods per week. General fee $3.00, breakage deposit $3.00 per semester. First and second semesters, 3 credits each.

*Professor Bergman.*

300. **Botanical Research.** Open to students who show sufficient preparation and ability to carry on studies of an investigational nature. Hours and credits to be arranged.

*Professor Bergman and Mr. Degener.*
CHEMISTRY

Professor Dillingham
Asst. Professor Bilger

Professor Wrenshall*
Mr. Fujimoto

The chemical laboratories are well equipped with apparatus and supplies for work in general chemistry, qualitative analysis, elementary and advanced quantitative analysis, organic chemistry, physical chemistry, sugar technology, and for chemical research. To specify somewhat in detail, the laboratories are supplied with platinum ware, volumetric apparatus, chemical balances, apparatus for gas and oil testing and for food analysis, a bomb calorimeter, polariscopes, spectroscopes, refractometers, and apparatus for work in physical chemistry. Gas, water, and electricity are all at hand, and the equipment of desks is well adapted to present needs.

101. GENERAL CHEMISTRY. 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 of the science for those who do not intend to take further work in chemistry. 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: “An Elementary Study of Chemistry” by McPherson and Henderson, with accompanying laboratory manual. Fee $5.00 per semester; breakage deposit, $3.00 per semester. First and second semesters, 4 credits each.

Professor Wrenshall, Mr. Fujimoto.

102. ADVANCED INORGANIC CHEMISTRY. Designed to qualify students who have had chemistry in preparatory schools for advanced work in chemistry, or to serve as a comprehensive survey of the science. Fundamental theories and laws of chemistry are emphasized. 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; and “Outline of the Methods of Qualitative Chemical Analysis,” by Carney. 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.

Assistant Professor Bilger, Mr. Fujimoto.

*105. ORGANIC CHEMISTRY. The Aliphatic and Aromatic Series. Lectures, collateral reading, discussions, and frequent

* Leave of absence 1927-1928.
Chemistry quizzes. For those who specialize in chemistry and sugar technology this is accompanied by the laboratory course. Text: Perkins and Kipping's "Organic Chemistry." Prerequisite: Chemistry 101 or 102. Three hours classroom a week. First and second semesters, 3 credits each.  

Professor Wrenshall.

106. ORGANIC CHEMISTRY LABORATORY. To be taken in conjunction with Chemistry 105. A study of the preparation, separation and analysis of a number of organic compounds. One period laboratory a week. Text: West's "Experimental Organic Chemistry." Fee $6.00 per semester; breakage deposit $5.00 per semester. First and second semesters, 1 credit each.  

Professor Wrenshall.

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 also included. In the lecture period the fundamental principles of theoretical chemistry and reactions involved in the analysis are studied. Texts: "Qualitative Chemical Analysis," by A. A. Noyes, and "The Elements of Qualitative Chemical Analysis," Volume I, by Stieglitz. 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.  

Assistant Professor Bilger.

211. PHYSICAL CHEMISTRY. An introductory, non-mathematical course in the general principles of 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 advised 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.  

Assistant Professor Bilger.

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. Texts: "Laboratory Manual of Physical Chemistry," by Davidson and Van Klooster, and "Practical Physical Chemistry" by Findlay. Prerequisites: Chemistry 124 and 230. Permission to take Chemistry 212 must be obtained from the instructor before registration. One laboratory period a week. Fee $3.00 per semester; breakage deposit $5.00 per semester. First and second semesters, 1 credit each.  

Assistant Professor Bilger.
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.  

*Assistant Professor Bilger.*

214. **Problems in Physical Chemistry.** A course dealing with the solution of problems pertaining to the topics which form the titles of the chapters of Millard's "Physical Chemistry for Colleges." It is advised that this course be taken concurrently with Chemistry 211. Text: "Physico-Chemical Calculations," by Knox. Open only to students who are taking or have taken Chemistry 211. One hour classroom a week. First and second semesters, 1 credit each.  

*Assistant Professor Bilger.*

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 conjunction with Chemistry 216. One hour classroom a week. First and second semesters, 1 credit each.  

*Professors Dillingham, Wrenshall and Asst. Professor Bilger.*

216. **Advanced Quantitative Analysis.** 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 $5.00 per semester; breakage deposit $5.00 per semester. First and second semesters, 3 credits each.  

*Professors Dillingham, Wrenshall, and Asst. Professor Bilger.*

230. **Quantitative Analysis.** 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 Chemical Analysis," by Talbot, and "Chemical Calculations" by Wells. 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.  

*Professor Wrenshall, Mr. Fujimoto.*

*260. Biological Chemistry.** 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 124 and first semester of 105. Two hours classroom and one
Chinese

laboratory period a week. Fee $4.00; breakage deposit $3.00. First semester, 3 credits.  
Professor Dillingham.

261. AGRICULTURAL CHEMISTRY. 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. Two hours classroom and two laboratory periods a week. Fee $5.00; breakage deposit, $5.00. Second semester, 4 credits.  
Professor Dillingham.

310. COLLOID CHEMISTRY. 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. Prerequisites: Chemistry 124, 230 and 212. Permission to take Chemistry 310 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. (Alternate years. Offered in 1927-1928.) Assistant Professor Bilger.

318. CHEMISTRY RESEARCH. 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 $10.00 each per semester.  
Professors Dean, Dillingham, Wrenshall, and Asst. Professor Bilger.

CHINESE

Professor Lee

100. FIRST YEAR CHINESE. Study of the foundation characters; reading, construction of characters and sentences, conversation and translation. Texts: Yen & Fu's "Foundation Characters," Book I and II; and Chu & Tao's "Easy Chinese Lessons," Book I and II. First and second semesters, 3 credits each.  
Professor Lee.

Professor Lee.
200. **THIRD YEAR CHINESE.** Readings of short stories and newspaper articles, simple poems and proverbs; letter-writing and translation. Texts: Yang's "Letters in Pei Hua Style" and "The New Citizen." First and second semesters, 3 credits each.

*Professor Lee.*

201. **CLASSICAL LITERATURE.** Study of the selected works of Confucius, Mencius and several authors of Han, Tang, Sung, Ming and Tsing Periods; translation and composition. Texts: Legge's "The Confucian Four Books," and Sung's "Wen Hua Tsin Liang." Prerequisite: Chinese 200 or its equivalent. First and second semesters, 3 credits each.

*Professor Lee.*

**CIVIL ENGINEERING**

*(See Engineering)*

**COMMERCE**

Asst. Professor Van Winkle Mr. Tilton

150-151. **ELEMENTARY ACCOUNTING.** 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; a brief introduction to the corporate form of organization. First and second semesters, 3 credits each.

*Assistant Professor Van Winkle.*

250-251. **INTERMEDIATE ACCOUNTING.** The principles and practice of accounting in relation to the corporation. Accounting for capital stock, bonds, and 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 Commerce 151. First and second semesters, 3 credits each.

*Assistant Professor Van Winkle.*

252-253. **ADVANCED ACCOUNTING.** A study of certain material not covered in the preliminary courses, such as, the consolidated balance sheet and income statement, budgetary control, and the analysis of financial statements. Particular emphasis will be placed upon the relation of accounting to management. In addition, the student will be given further practice in the solution of C. P. A. and similar problems covering the general field of accounting theory and practice. Prerequisite: A grade of at least 70 in Commerce 251. First and second semesters, 3 credits each. (Not given in 1927-1928.)

*Assistant Professor Van Winkle.*
260-261. Business Law. Lectures and Reading. First and second semesters, 2 credits each.

264. Corporation Finance. A study of the corporate form of organization. Corporate instruments; methods of financing; sale of securities; combinations and consolidations; the relation of the corporation to the stockholder, the bondholder, the general creditor, and the outside public; the stock exchange. Prerequisites: Commerce 150-151. First semester, 3 credits.

Assistant Professor Van Winkle.

265. Business Management. An analysis of the types of organization; plant location; forms in organization management; personnel administration—labor problems, wage scales; scientific management; a survey of the problems of large scale production. Prerequisites: Junior standing and Economics 150-151. Second semester, 3 credits.

Mr. Tilton.

270-271. Marketing. Functions of marketing; transportation, finance, and agricultural credit in particular; Marketing Systems, direct, indirect, and cooperative; Marketing Agencies, a discussion of middlemen and their functions; price; organized exchanges; forecasting; risk assumption and hedging. Second semester—Analysis of general, specialty, department, and chain stores, and mail order houses. The major part of the course is devoted to practical problems with special reference to wholesale and retail trade; brands, trademarks, advertising, and price policies. Prerequisites: Junior standing and Economics 150-151. Prescribed for students in Commerce. First and second semesters, 3 credits each.

Mr. Tilton.

272. Sales Management. A course devoted to analyzing the essentials of a good sales organization, and dealing with the sales manager, his relation to factory, product and market; price-making and price protection; selection of salesmen; training, equipment; territory; compensation; contests; conventions and conferences; meeting competition; types of sales strategy; principles of selling service; selling cost and expense; sales budgeting; interlocking selling and advertising effort. Practical illustrative problems. First semester, 2 credits.

Mr. Tilton.

273. Advertising. Special emphasis is devoted to the nature, purpose, and structure of advertising copy; psychological problems involved; mediums; principles of size and position; display; form; border; color; illustration; type principles; arrangement; methods of testing; outdoor and foreign advertising. Second semester, 3 credits. (Not given 1927-1928.)

Mr. Tilton.
274-275. FOREIGN TRADE. Principles of foreign trade, past and present; governmental aid; commercial treaties; a detailed discussion of the tariff and tariff making; trade and trade routes of the world; balances of trade; invisible exports and imports; elements of foreign exchange. Second semester—Practical exporting; export sales organization, sales methods; financing, credits and collections; technical papers in export procedure; detailed problems in exporting and importing. Prerequisites: Junior standing and Economics 150-151. First and second semesters, 3 credits each.

Mr. Tilton.

277. RETAIL MERCHANDIZING. Consideration is given to retail selling methods and store management, with particular reference to local conditions. Attention will be given to store personnel problems; employee turnover; wages and education of salespeople; store location and rent factors; merchandise classification and control; layout and arrangement of displays; stock-turn; advertising; branded and trade-marked goods; determination of most profitable lines; costs of distribution; price policies; credit; financial features; returned goods; delivery; general administrative problems. Second semester, 2 credits.

Mr. Tilton.

291. STATISTICS. Statistical indices of business conditions; averages and means of determination; graphic presentation; methods of eliminating seasonal variation and secular trend; moving averages; dispersion, skewness, correlation; internal and external financial and business statistics; index numbers; weekly problems. Prerequisite: Junior standing. Recommended to commerce students. Second semester, 3 credits.

Mr. Tilton.

*Professor Reynolds  Asst. Professor Van Winkle

150-151. ELEMENTS OF ECONOMICS. An introductory course. Organization of production; price; distribution. First and second semesters, 3 credits each.

Professor Reynolds.

252. INTRODUCTION TO ECONOMICS. A course open to Junior and to Senior students in Agriculture, Civil Engineering and Sugar Technology. Students can not receive credit for both this course and course 150-151. First semester, 3 credits.

Assistant Professor Van Winkle.

*At the beginning of the academic year 1927-1928, Dr. Reynolds, now of Stanford University, will take the position of Professor of Economics.
260. **Money and Banking.** A study of the problems centering around the use of money and credit. Prerequisite: Economics 150-151. First semester, 3 credits. (Not given 1927-1928.)

*Professor Reynolds.*


*Professor Reynolds.*

262-263. **Practical Banking.** A course in actual work in the Bank of Hawaii and under the direction of the officers of the bank. Students will be given an opportunity to learn the varied sorts of banking procedure, receiving promotion to new kinds of work as their practical efficiency and other conditions may warrant. Students will work two afternoons of each week from one o'clock till the books are balanced. Open only to students who have credit in or are registered in Economics 260 and who are recommended by the professor of economics and accepted by the bank. Reports of progress will be required monthly. Two credits each semester.

*Professor Reynolds.*

270. **Transportation.** Ocean, rail, and inland water transportation. Prerequisite: Economics 150-151. First semester, 3 credits.

*Professor Reynolds.*

*281. Labor.** A study of legal and social aspects. Prerequisite: Economics 150-151. Second semester, 3 credits.

*Professor Reynolds.*

### EDUCATION

**Professor Livesay**

**Professor Armstrong**

In view of the complex social situation, the peculiar vocational, economic, and political conditions, and the comparative isolation of this Territory, the importance of Public Education can hardly be over-estimated. The purpose of the courses in Education and Psychology is to furnish a background of theory and practice which shall prepare the student for effective service in the educational, social, or economic fields as teacher, welfare worker, or employment manager. Specifically it is intended to provide professional training for teachers and administrators in junior and senior high schools.

At the present time the Department of Education is prepared to train teachers for junior and senior high schools only.

High school authorities are now demanding that their teachers have professional training in addition to a general education, therefore students looking forward to teaching are advised of the necessity of fitting themselves for this work. Each prospective
teacher will be expected to earn at least six units of credit in Psychology, exclusive of Psychology 150, and fourteen in Education including the Principles and Practice of Teaching and the Principles of Secondary Education. In case of previous successful teaching experience the five-hour requirement of practice teaching may be waived.

In addition it is urged that English 205 be taken, as ability in public speaking is invaluable in the teaching profession. In fact a thorough command of both oral and written English is so essential in teaching that students who have defects in either are seriously advised not to consider teaching as a career.

Every student should be equipped to teach two subjects in the secondary school and therefore should concentrate on these subjects during the university course. In each case the amount and quality of the work required in the teaching subjects will be determined by the Department of Education and the other Departments concerned.

As the University is desirous of correlating its work as far as possible with that of the public and private schools an effort will be made to arrange advanced courses for properly qualified teachers-in-service when there is sufficient demand for such courses.

151. INTRODUCTION TO EDUCATION. 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. Professor Livesay.

200. DIRECTED READING IN EDUCATION. 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 by permission of instructor.

Professors Livesay and Armstrong.

251. PRINCIPLES OF SECONDARY EDUCATION. This course deals with the sociological and psychological principles which are fundamental to the present organization, administration, and selection of subject matter of the secondary school. The nature of the adolescent, the historical development of secondary education, secondary education in other countries, the place of the various subjects in the high school program, curriculum organiza-
tion, and other major topics are considered. Prerequisites: Education 151 and Psychology 250. Second semester, 3 credits.

Professor Livesay.

252. Principles of Teaching in Secondary Schools. 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 who have completed twelve semester hours in education and psychology. First semester, 3 credits.

Professor Livesay.

253. Practice Teaching in Secondary Schools. Practice in teaching in 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 High Schools. Usually this involves the responsibility of a class or group for the remainder of the year. During the semester when practice teaching is carried on no student should take more than 13 semester hours, exclusive of Education 253, two of which must be Psychology 251. Credit for this course is not granted if the student has previously held a responsible teaching position for pay. Open only to those who have had Education 252 in the first semester of the same year. Second semester, 5 credits.

Professor Livesay.

255. Educational Measurements. Principles of test construction, use of tests and scales in the administration and supervision of instruction, pupil diagnosis on the basis of test scores, etc. Simple graphical and statistical methods introduced and developed as needed. Prerequisites: Education 151 and Psychology 250. Second semester, 2 credits.

Professor Livesay.

271. Principles of Vocational Education. 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. Note: In 1926-1927 this course was given in the first semester and was numbered 270.

Professor Armstrong.

275. Methods and Practice in Teaching Vocational Agriculture. Special methods used in teaching vocational agriculture. Students must spend a part of the semester teaching vocational agriculture in some school of the Territory. Designed especially for seniors. Second semester, 5 to 10 credits.

Professor Armstrong.
300. Research in Education. 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 instructor concerned.

Professors Livesay and Armstrong.

ENGINEERING

Professor Keller
Professor C. Andrews*
Professor Young*
Professor Webster

Drawing. The drafting-room equipment includes a number of first-class adjustable tables and desks, fitted with all accessories, complete for work; also an extensive outfit for blue printing, and many special instruments, such as parallel attachments for tables, railroad curves, splines, protractors, planimeters, special scales, drafting machines, and computing instruments.

Testing Laboratory.—The University maintains a laboratory for testing materials of construction, including wood, iron, steel, and cement, and also provides facilities for fuel testing. The equipment of the testing laboratory includes a 150,000 lb. capacity Riehle universal testing machine, for tension, compression, and transverse tests of large specimens; a small 10,000 lb. capacity Riehle machine for testing specimens in transverse strain; a 20,000 lb. capacity Olsen universal testing machine for tension and compression tests of small specimens; an Olsen torsion machine for torsion tests up to 50,000 in.-lbs.; an Olsen apparatus for making the Brinell hardness test; a special Olsen machine of 40,000 lbs. capacity for compression tests of cement and concrete cubes; and a standard Riehle 2,000 lb. machine for briquettes. These machines are provided with a complete assortment of the necessary special instruments, such as extensometers, compressometers, deflectometers, and gages, thus making possible the accurate measurement of deformation over a wide range of tests. In addition to the above, the testing laboratory also includes an extensive equipment of molds, sieves, Vicat needles, moist closets, drying ovens, and other minor accessories necessary to carry out practical tests of cements and concrete in any of the usual forms.

A section of the laboratory is fitted with the essential apparatus for the physical testing of road materials. This equipment includes a Page impact machine, Dorry hardness machine, Deval abrasion machine, Page briquette-forming machine, together with core drills, sieves and miscellaneous asphalt-testing apparatus.

* Leave of absence 1927-1928.
In connection with the regular courses of instruction, students in engineering are encouraged and required to make frequent use of the library. The library contains a large and well selected collection of standard technical books, besides many periodicals pertaining especially to engineering. The collection includes sets of Transactions and Proceedings of the four National Engineering Societies, together with bound volumes of the Engineering News back to and including the year 1876, which, taken together, constitute an excellent working library of current practice in each of the main branches of engineering.

CIVIL ENGINEERING

C. E. 101. SURVEYING. 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, Sugarhouse 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. Professor C. Andrews.

C. E. 125. ROADS AND PAVEMENTS. 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: Blanchard and Drowne's "Textbook on 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. Professor Keller.

C. E. 201. SURVEYING AND DRAWING. 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

Professor C. Andrews.

C. E. 227. SURVEYING. 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; earth work computation, maps, profiles; plans of structures and estimates. Texts: Willard’s “Maintenance of Way and Structures;” Cain’s “Earth Pressure, Walls and Bins;” 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. Not given in 1927-1928.)

Professor C. Andrews.

*C. E. 229. MUNICIPAL ENGINEERING. Lectures and recitations, including the general principles and methods of construction and cost; city water supply; waterworks, and fire protection; the methods of sewage and garbage disposal; the hydraulics of sewers; the relation of rainfall to storm flow. Part of the course is devoted to municipal transportation problems now handled by the various public service commissions. Texts: Turnearue & Russell’s “Public Water Supply”; Metcalf & Eddy, “Sewerage and Sewage Disposal, a Textbook”; Engineering Periodicals and U. S. Government Reports. Seniors in Civil Engineering. First and second semesters, 3 credits each.

Professor C. Andrews.

*C. E. 252. ANALYTICAL AND APPLIED MECHANICS. 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. Professor C. Andrews.

Professor C. Andrews.

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: Daugherty'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.

Professor Keller.

C. E. 257. IRRIGATION ENGINEERING. An elementary course which covers the laws governing rainfall, evaporation and run-off, followed by a study of the methods of distributing irrigation water, the losses involved and the amount of water required to irrigate various crops. This course, although primarily designed for engineers, is open to properly prepared students electing other courses. Texts: Meyer's "Hydrology", also government pamphlets. Prerequisite or parallel: C. E. 255. Juniors in Civil Engineering. Second semester, 2 credits.

Professor Keller.

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"
Civil Engineering

and "Structural Members and Connections." Seniors in Civil Engineering. First semester, 3 credits. **Professor Young.**

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. **Professor Young.**

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. **Professor Young.**

C. E. 280 or 281 (may be taken either semester). WATER ANALYSIS. A laboratory course which covers the standard methods of making physical, chemical and bacteriological examinations of water and sewage. Texts: American Public Health Standard Methods. Prerequisite or parallel: C. E. 229. Elective for Seniors in Civil Engineering. Either semester, credits to be arranged. **Professor Keller.**

C. E. 282. HYDRAULIC CONSTRUCTION. 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. **Professor Keller.**

*C. E. 287. ARCHES. 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. (Not given in 1927-1928.)** **Professor C. Andrews.**
M. D. 101. MECHANICAL AND FREEHAND DRAWING. Elementary drafting, which includes freehand sketching, freehand lettering, use of instruments, conventional sections, drawing from copies and models (using parts of machines from the mechanical laboratory as models), the making of shop drawings, shading, tracing and blue-printing; in which particular attention is given to lettering, general neatness, and accuracy. Text: French’s “Engineering Drawing.” The cost of materials and instruments required is about $50.00. First and second semesters, 2 credits each. 

Professor Webster.

M. D. 103. DESCRIPTIVE GEOMETRY AND LETTERING. An elementary course in practical descriptive geometry designed for entering students in engineering who offer for entrance two or more years of mechanical drawing and who satisfactorily pass a test given as first exercise in mechanical drawing, M.D. 101. Freshmen satisfactorily completing this course will receive advanced work in descriptive geometry and elementary work in kinematics in place of the regularly scheduled work for sophomores in M. D. 133. First and second semesters, 2 credits each.

Professor Webster.

M. D. 133. DESCRIPTIVE GEOMETRY. Descriptive geometry, with special reference to its application to practical work in the drafting office, embracing lectures and drafting-room practice in which a large number of problems of a practical nature are worked out. Prerequisite: 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. 

Professor Webster.

MECHANICAL ENGINEERING (M.E.)

M. E. 129. OFFICE AND SHOP METHODS. Lectures, drafting and shop inspections. Lectures familiarizing the students with the type and use of machines and tools used in pattern, woodworking, 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. 

Professor C. Andrews.

M. E. 252. MATERIALS OF ENGINEERING. Lectures and recitations on the properties and requirements for materials used in engineering construction, including wood, iron, steel and con-
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. 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. (Not given in 1927-1928.)

Professor Keller.

M. E. 283. Contracts and Specifications. Lectures on contracts, touching upon points likely to be of value to engineers, together with such principles of law as should be understood by the engineer who is entrusted with the drawing of contracts, followed by a detailed study of typical contracts and specifications for engineering work of various kinds. Text: Allen "Business Law for Engineers." Prerequisite: M. E. 282, or C. E. 229. Seniors in Civil Engineering. Second semester, 2 credits.

Professor Young.

M. E. 284. Engineering of Sugar Plants. 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. Prerequisite: M. E. 282. Seniors in Sugar Technology, Sugar-house Engineering division. First semester, 4 credits. (Not given in 1927-1928.)

Mr. G. H. W. Barnhart.

Engineering Laboratory (X.E.)

X. E. 253. Materials Laboratory. 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. Professor Keller.

ENGLISH

Professor A. L. Andrews Asst. Professor Neil
Asst. Professor Schwartz Asst. Professor Baker
Mr. Tower Mrs. Scott
Mr.

All candidates for admission to the University as regular students and all special students desiring to elect English 100 are given a Placement Test in English. All who fail to make a satisfactory grade must register in English 50.

50. ELEMENTARY COMPOSITION. 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.

Mr.

100. COMPOSITION. The principles of exposition, description, and narration; analysis of illustrative specimens; frequent written exercises, and individual conferences with instructor; occasional exercises in oral composition; collateral reading. Designed to lead not only to correctness of expression, but also to a knowledge of constructive principles. Required of all freshmen who qualify in the English placement test. First and second semesters, 3 credits each.

Asst. Professors Neil and Schwartz, Mr. Tower, Mrs. Scott

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

Mr.

120. TECHNICAL AND BUSINESS ENGLISH. The preparation of scientific and technical data for presentation in written form. May be taken in place of English 130 by Sophomores in the Col-
130. **English Literature.** A survey of English literature from Beowulf to Wells, with special attention to the development of the ideas and ideals that have helped shape our present ways of life. In addition to the reading of some standard history of literature and collection of extracts, there will be a detailed study of at least six complete novels and plays. Required of all Sophomores, in the College of Arts and Sciences, and may be elected by all other Sophomores in place of English 120. First and second semesters, 3 credits each.  
   *Professor A. L. Andrews.*

140. **Journalism.** A study of the development of the modern newspaper; psychology of news interest; the structure of the News Story; methods of getting and writing the different types of News Stories; the Interview, the Editorial; special Feature Articles. First and second semesters, 2 credits each.  
   *Assistant Professor Baker.*

150-151. **Oral Reading.** A study of a limited number of selections, chiefly poetical, with the purpose of gaining an appreciation of an author's thoughts and emotions, and training in such vocal exercises as may enable the student to read aloud with understanding and expression. First and second semesters, 2 credits each.  
   *Assistant Professor Baker.*

201. **Business Correspondence.** Designed especially for students in Commerce. 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. Open only to Juniors and Seniors. First and second semesters, 2 credits each.  
   *Mr. Tower.*

205. **Public Speaking.** A study of the principles underlying oral expression, and frequent practice in extemporaneous speaking. Open to all Juniors and Seniors. First and second semesters, 3 credits each.  
   *Assistant Professor Baker.*

206. **Argumentation.** The theory of argumentation; the analysis of representative arguments; practice in the writing of briefs and forensics. Open to all Juniors and Seniors. First and second semesters, 2 credits each.  
   *Assistant Professor Baker.*

207. **The Novel.** 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. First and second semesters, 3 credits each.  
   *Assistant Professor Neil.*
208. **Victorian Prose and Poetry.** 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. First and second semesters, 3 credits each.  

*Assistant Professor Neil.*

210. **Directed Reading.** Eight hours of reading weekly with informal class reports and discussions. Designed to lead to an acquaintance with some important books which are not read in connection with other courses. Prerequisites: English 130 and the approval of the Instructor. First and second semesters, 2 credits each.  

*Assistant Professor Schwartz.*

212. **Classics in Translation.** A study of selected masterpieces of European literature with special emphasis upon the Greek and Latin classics in translation. First and second semesters, 2 credits each.  

*Assistant Professor.*

213. **The Bible as Literature.** 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.  

*Professor A. L. Andrews.*

220. **Advanced Composition.** A course for those who are interested in writing and who would like to experiment and practice in various forms, such as essay, criticism, short story, and verse. Admission only on consent of the instructor. First and second semesters, 2 credits each. (Not offered in 1927-1928.)  

*Assistant Professor Schwartz.*

230. **Contemporary Literature.** Twentieth century novelists, dramatists, poets, and essayists, British and American. A detailed examination of their purposes and methods, supplemented by extensive reading. Prerequisite: English 130. First and second semesters, 2 credits each.  

*Assistant Professor Schwartz.*

250. **American Literature Since 1870.** The study of representative poems, essays, and fiction. Prerequisite: English 130. First semester, 3 credits. (Not offered in 1927-1928.)  

*Professor A. L. Andrews.*

251. **The Short Story.** The principles of the short story, analysis of representative stories; collateral reading; practice in short story writing; conferences with instructor. Prerequisites: English 130 and 250. Second semester, 3 credits. (Not offered in 1927-1928.)  

*Professor A. L. Andrews.*
252. **SHAKESPEARE.** An introduction to Shakespeare with rapid reading of a considerable number of the plays in chronological sequence. Prerequisite: English 130 or equivalent. First semester, 3 credits.  
*Assistant Professor Schwartz.*

253. **SHAKESPEARE.** The continuation of Course 252. Devoted to the more intensive study of a few plays. Prerequisite: English 252. Second semester, 3 credits.  
*Assistant Professor Schwartz.*

261. **HISTORY OF THE ENGLISH LANGUAGE.** Studies in the origin and development of the language with special reference to the problems of modern English grammar and usage. Prerequisite: English 130 or equivalent. Second semester, 3 credits. (Not offered in 1927-1928.)  
*Assistant Professor Schwartz.*

279. **VICTORIAN POETRY.** A study of the more considerable poets of the period with special emphasis upon Tennyson and Browning. Prerequisite: English 130 and the consent of the instructor. Second semester, 3 credits. (Not offered in 1927-1928.)  
*Assistant Professor Neil.*

300. **ENGLISH SEMINAR.** Designed primarily for graduates, though properly qualified seniors may be admitted. The intensive study of movements, periods or authors, either British or American. Weekly meetings for reports and discussions. First and second semesters, 2 credits each.  
*Professor A. L. Andrews.*

**ENTOMOLOGY**

**Mr. Bryan**

Entomology is considered to be one of the most important branches of science in Hawaii because of the peculiar importance of insect control in the agricultural industries of the islands. Specimens and materials for study of economic entomology are available more or less throughout the year, making entomological study particularly advantageous. The insect collection is representative not only of the Hawaiian fauna but also contains a good many specimens from North America and the South Pacific region. The laboratories are equipped with compound and binocular microscopes, and other necessary apparatus.

Not only is the equipment of the University at the service of students engaged in research work, but also the entomological collections and libraries of several other research institutions in Honolulu are available for the use of advanced students, and add to the attractions of this location for research in entomology.
250. **GENERAL ENTOMOLOGY.** A study of the structure, habits and classification of insects. One hour classroom, two periods laboratory. Fee $1.00. First semester, 3 credits. 

Mr. Bryan.

251. **Economic Entomology.** Lectures and reports on the more important insect pests of agriculture, live stock 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 250. One hour classroom and two periods laboratory. Fee $1.00. Second semester, 3 credits.

Mr. Bryan.

300. **RESEARCH IN ECONOMIC ENTOMOLOGY.** Opportunities for research work in this field are especially attractive, since the problem can be developed throughout the year without interruption. Open only to students who have shown marked ability in the study of entomology. Prerequisite: Entomology 250 and 251. Throughout the year, 3 or more credits a semester. Laboratory work to be done at Bishop Museum.

Mr. Bryan.

301. **TAXONOMY OF INSECTS.** A laboratory course in the identification of insects, and advanced study of classification. Special groups may be studied and original work done by the students. Prerequisite: Entomology 250 and 251. Fee $1.00 per semester. First and second semesters, credits and schedule to be arranged. Laboratory work to be done at Bishop Museum.

Mr. Bryan.

**FRENCH**

Professor Pecker

Mrs. Rand

*100. **ELEMENTARY COURSE.** Phonetics, dictation, conversation reading of 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.

Mrs. Rand.

*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.

Mrs. Rand.

*200. **CONTEMPORARY FRENCH LITERATURE.** (This course and all to follow are conducted entirely in French). Critical study of the most modern movement in French prose, with especial atten-
French

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.

Professor Pecker.


Professor Pecker.

*202. ADVANCED CONVERSATION AND COMPOSITION. 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.

Professor Pecker.

*250. CLASSIC DRAMA. 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.

Professor Pecker.

*251. ROMANTIC SCHOOL. 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.

Professor Pecker.

*252. MODERN FRENCH DRAMA. 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. Lectures on the Paris theatrical season of 1925-1926. Prerequisite: Same as for French 250. First semester, 2 credits. (Not offered in 1927-1928.)

Professor Pecker.

*253. ADVANCED FRENCH SEMINAR. 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. (Not offered in 1927-1928.)

Professor Pecker.
GEOGRAPHY

Professor Palmer

*150. PHYSICAL GEOGRAPHY. The suitability of the earth as the abode of man, with special reference to his dependence on climate, relief, continental exposure to oceans, and on plant and animal life. First semester, 3 credits. Professor Palmer.

*151. ECONOMIC GEOGRAPHY. A study of the principles governing the production of the chief raw materials and manufactures of the world and of the commerce in these commodities. Prerequisite: Geography 150. Second semester, 3 credits.

161. GEOGRAPHY OF NORTH AMERICA. A regional study of the continent of North America based on lectures and reference assignments. The course emphasizes the geographic factors affecting the location of cities, distribution of population, trade routes, industries and history of the different regions in North America. Second semester, 2 credits. (Given only in 1926-1927 by Acting Professor Freeman.)

300. GEOGRAPHY SEMINAR. Special work in geography may be arranged for students capable of advanced study. Hours and credits to be arranged. Professor Palmer.

GEOLOGY

Professor Palmer

*252. PHYSICAL GEOLOGY. 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 Pirsson and Schuchert’s “Introductory 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. Professor Palmer.

*253. HISTORICAL GEOLOGY. The history of the earth, of its continents and ocean basins, and of its plant and animal inhabitants. Same text as for Geology 252. Prerequisite: Geology 252 or 256. Two recitations and one laboratory period a week. Fee $1.00. Second semester, 3 credits. Professor Palmer.

254. MINERALOGY. A study of the crystal systems, of the physical, chemical and morphological criterion 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.” Prerequisite: Chem-
255. GEOLOGY OF GROUND WATERS. 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. Professor Palmer.

256. GEOLOGY FOR ENGINEERS. The work of the various geologic agencies, with especial reference to the structures they produce and the significance of these structures to engineers. Ries and Watson's "Elements of Engineering Geology." Required of Juniors and Seniors in Civil Engineering. Two recitations and one laboratory period a week. Fee $1.00. First semester, 3 credits. (Alternate years; not offered in 1927-1928.) Professor Palmer.

300. GEOLOGY SEMINAR. Special work in geology may be arranged for students capable of more advanced work. Hours and credits to be arranged. Professor Palmer.

HAWAIIAN

Professor Wise

100. ELEMENTARY COURSE FOR BEGINNERS IN THE HAWAIIAN LANGUAGE. Pronunciation, vocabulary, dictation, reading of easy prose, elementary grammar and the common present-day Hawaiian phrases. First and second semesters, 3 credits each. Professor Wise.

101. INTERMEDIATE HAWAIIAN. Conjugation, translation of short native editorials, Hawaiian proverbs; declamation and composition. Comments on current topics. First and second semesters, 3 credits each. Professor Wise.

200. ADVANCED HAWAIIAN. Reading and translating of legends, meles, and local laws on land tenure and selected prose into Hawaiian. Andrews on Syntax, comparison of Hawaiian and European classics; composition, literal and figurative, of Hawaiian songs. First and second semesters, 3 credits each. Professor Wise.

300. HAWAIIAN LITERATURE AND ARTS. Comparison of Hawaiian meles with those of other Polynesian groups; study of ancient traditions, arts and crafts of old Hawaii; composition of meles and songs, both literal and figurative. First and second semesters, 2 credits each. Professor Wise.
GENERAL EUROPEAN HISTORY. A general history of European civilization. A study of the development and expansion of European civilization from the earliest times to the beginning of the World War. First and second semesters, 3 credits each. (Not offered in 1927-1928.) Professor Leebrick.

ANCIENT HISTORY. A survey of the growth of civilization in the Mediterranean region with emphasis on Greek and Roman civilizations to the sixth century A.D. No prerequisites. First and second semesters, 3 credits each. (Not offered in 1927-1928.)

HISTORY OF MEDIEVAL EUROPE. A survey of the history and of the problems of Medieval Europe from the fourth to the end of the fifteenth century. First and second semesters, 3 credits each.

ENGLISH HISTORY. A general course in English history from the period of the Anglo-Saxon to the present. The second semester will begin with the social and political conditions of England from 1750, with a discussion of the immediate influence of the Reform Act of 1867, and the development of England to the present time. Lectures, discussions and special reports. First and second semesters, 3 credits each. Dr. Lum.

ECONOMIC HISTORY. The history of medieval guilds and industrial problems through the establishment of the factory system will be treated in the first semester. The history of invention, of socialism, of labor unions, of capital and of the question of state control with especial emphasis on these events in the United States, in the second semester. Prerequisite: History 100 or 140. First and second semesters, 3 credits each. (Not offered in 1927-1928.)

HISTORY OF JAPAN. Reading of standard works on the history and development of the Japanese people, with supplementary lectures. Special attention is given to the development of feudalism and of modern Japan; the development of political, social, intellectual, and religious movements from the time of the arrival of Commodore Perry, in 1852, to the present time. First and second semesters, 2 credits each. Professor Harada.
125. **HISTORY OF CHINA.** A general history of Chinese civilization and China's relations with other nations. Assigned readings, reports, and supplementary lectures. First and second semesters, 2 credits each.  
*Professor Lee.*

140. **AMERICAN HISTORY.** A general course in American history. The first semester deals with the discovery and settlement of North America by the various European countries, the growth of the colonies, the achieving of independence, and the history of the United States to the administration of Jackson. The second semester continues the story of the development of the United States to the present time, considerable attention being devoted to the period since the Civil War. First and second semesters, 3 credits each.  
*Mr. Hooley.*

145. **THE HISTORY OF THE WEST.** A survey of the expansion into and the development of the West, and of its relations to national and international affairs. The Trans-Mississippi region will be especially emphasized. Prerequisite: Political Science 100 or History 140. First and second semesters, 3 credits each. (Not offered in 1927-1928.)  
*Mr. Hooley.*

162. **THE WORLD WAR.** A brief study of the more important campaigns and a detailed study of engagements in which the United States took part. Open to all students of the University. Given especially for students intending to take the Advanced Course R. O. T. C. First semester, 1 credit.  
*Professor Clarke.*

172. **INTRODUCTION TO THE MODERN HISTORY OF OCEANIA.** Discovery and exploration; work of traders and missionaries; colonization of Australasia; acquisition of islands by the great powers; international rivalries; recent developments. Lectures and topical readings. First semester, 2 credits.  
*Mr. Kuykendall.*

173. **THE UNITED STATES IN THE PACIFIC.** Introductory course; including outline of the history of Hawaii and the Philippine Islands. This course will be given every other year, alternating with History 175. Second semester, 2 credits.  
*Mr. Kuykendall.*

175. **GREAT BRITAIN, FRANCE, AND GERMANY IN THE PACIFIC.** Introductory course. This course will be given every other year, alternating with History 173. Second semester, 2 credits. (Not offered in 1927-1928.)  
*Mr. Kuykendall.*

176. **HISTORY OF THE HAWAIIAN ISLANDS.** A general outline course. First semester, 2 credits. (Not offered in 1927-1928.)  
*Mr. Kuykendall.*

Professor Clarke.

*215. HISTORY OF EUROPE SINCE 1800. The history of diplomacy and international developments in Europe in the Nineteenth and Twentieth Centuries. Attention is called to the influence of international movements in their world aspects. No one text is used, but the student is advised to buy one of several recommended texts. Prerequisite: History 100. First and second semesters, 2 credits each. 

Professor Leebrick.

227-327. HAWAIIAN HISTORY. A seminar course, open only to Seniors, graduate students, and special students by permission of the instructor. 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. No credit will be given for the first semester's work unless the course is also taken during the second semester. Prerequisites: History 173, 176. First and second semesters, 2 credits each. 

Mr. Kuykendall.

230-330. EUROPEAN EXPANSION IN THE PACIFIC AREA. The precise subject to be studied each year will be decided upon by the class and the instructor. A course for advanced students conducted as a reading seminar course. Admission only by the consent of the instructor. First and second semesters, 2 credits each. Hours arranged with instructor. 

Professor Leebrick.

*241. HISTORY OF ORIENTAL RELIGIONS. Lectures on the religions of India, China and Japan, and the modern religions and ethical movements in those countries. First and second semesters, 1 credit each. 

Professor Harada.

*243. RECENT HISTORY OF THE UNITED STATES. (1868-1927.) A survey of the political, social, and economic expansion of the United States since the Civil War. Lectures, discussions, and special reports. Prerequisite: American Institutions or History 140. First and second semesters, 2 credits each.

*244. DIPLOMATIC HISTORY OF THE UNITED STATES. A survey of our foreign relations from the establishment of the republic to the present time. Prerequisite: American Institutions or History 140. First and second semesters, 3 credits each.

*252. THE FORMATION OF THE AMERICAN CONSTITUTION. A study will be made of the formation of colonial governments,
early state constitutions, the establishment of our national Constitution, and subsequent developments to about the year 1800. Text to be selected; assigned reference readings. Prerequisite: American Institutions or History 140. First semester, 3 credits. (Not offered 1927-1928.)

Mr. Hooley.

253. HISTORY OF SPANISH AMERICA. A general survey of the history and institutions of the principal nations of Spanish America. Especial emphasis will be placed upon the discussion of such problems as the Monroe Doctrine, Pan-Americanism, and the relations between the United States and Latin America. Second semester, 3 credits. (Not offered in 1927-1928.)

Mr. Hanke.

255. THE HISTORY OF THE AMERICAN CONSTITUTION SINCE 1800. A continuation of History 252 carrying the study to the most recent time. The evolution of present constitutional questions will be traced. No one text will be used; assigned reference readings. Prerequisite: American Institutions or History 140. Although a continuation of History 252 that course is not a prerequisite. Second semester, 3 credits. (Not offered in 1927-1928.)

Mr. Hooley.

*261. EUROPE SINCE 1890. A study of the history of diplomacy and international relations from the last decade of the Nineteenth Century to the present time. Special emphasis will be laid upon the World War and its attendant problems. No one text is used; assigned reference readings. Prerequisite: History ’00. Second semester, 2 credits. (Not offered in 1927-1928.)

Professor Leebrick.

279. GENERAL ETHNOLOGY. Especial attention will be given to the Polynesian Culture. Second semester, 2 credits.

A member of the Bishop Museum Staff.

291. CHINESE CIVILIZATION. A Lecture Course with assigned reference readings. Study of the development of the various Chinese institutions—domestic, social, political, religious, educational, economic, etc. Second semester, 2 credits.

Professor Lee.

HOME ECONOMICS

Asst. Professor Dahl Asst. Professor Miller

HOUSEHOLD ART

The Division of Household Art has a well equipped laboratory with cutting and sewing tables, sewing machines, dress forms, lockers, pressing board, electric irons, color charts and illustrative material for textile study.
100. **Textiles and Garment Making.** A study of fabrics, processes of manufacture, and economic value and uses; the use of commercial patterns, scientific fitting and garment making. Lectures, discussions and laboratory work, required of students in Home Economics. Open to regular and special students. Students presenting entrance credit in sewing will be excused from the laboratory work of the first semester. Fee $3.50 per semester. First and second semesters, 3 credits each.

*Assistant Professor Dahl.*

101. **Dressmaking and Designing.** This course gives practical training in the application of line, dark and light, color harmony, and texture to costumes for different individuals and purposes. Drafting of patterns is taught. All designing is done by modeling on dress forms. Original work is required. Lectures, discussions and laboratory work. Prerequisites: Art 100, and H. A. 100; prerequisite or parallel: Art 110. Fee $3.50 per semester. First and second semesters, 3 credits each.

*Assistant Professor Dahl.*

*150. 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. First semester, 1 credit. 

*Assistant Professor Dahl.*

153. **Costume Decoration.** This course emphasizes the principles of design in relation to dress decoration. Various media will be used in planning and developing all types of decoration for dresses, hats, etc. Emphasis is placed on seasonal trimming. Prerequisite or parallel: H. A. 101. Fee $3.50. Second semester, 3 credits. (Given in alternate years; not offered in 1927-1928.)

*Assistant Professor Dahl.*

200. **Millinery.** The construction and trimming of hats, beginning with the use of foundation materials; making of wire and willow frames; copying from models and pictures; original designs. Prerequisites: H. A. 100 and 101. Fee $3.50 per semester. First and second semesters, 3 credits each.

*Assistant Professor Dahl.*

250. **Advanced Dressmaking.** Special application of the principles of design and construction to suits, coats and capes. Prerequisites: H. A. 100 and 101. Fee $3.50. First semester 3 credits. (Given alternate years; not offered in 1927-1928.)

*Assistant Professor Dahl.*
The Division of Household Science has a well equipped cookery laboratory with desks and utensils for individual work for sixteen students. Equipment for meal service and for nutrition courses is also available. There is an animal laboratory for experimental feeding and research.

102. **Food Economics.** Selection, preparation and serving of food with regard to composition, cost, season, and occasion. The effects of economic conditions and production, transportation, and marketing upon the cost and availability of foods will be considered. Prerequisite: Chemistry 101 or 102. Fee, $5.00 per semester. First and second semesters, 3 credits each.

*Assistant Professor Miller.*

150. **Elementary Food Preparation.** A study of the fundamental cookery processes applied to the important classes of food stuffs. The production, manufacture and composition of common foods are considered in lecture. Lecture and laboratory. Required of all students majoring in the Home Economics course who have not had high school cooking approved by the Household Science Department. Open to all students. No prerequisites. Fee $5.00. First semester, 3 credits.

*Assistant Professor Miller.*

*151. **Elementary Nutrition.** A study of the principles of diet in relation to health and their application in the planning and preparation of meals for the family. Two lectures and one laboratory. Prerequisite: H. S. 150 or a knowledge of cookery processes satisfactory to the instructor. Fee $5.00. Second semester, 3 credits.

*Assistant Professor Miller.*

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. Lectures and laboratory. Fee $5.00 per semester. First and second semesters, 3 credits each.

*Assistant Professor Miller.*

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.

*Assistant Professor Miller.*

250. **Household Management.** Study of the practical arrangement of the floor plans of houses for convenience and economy. Labor saving devices; laundry, kitchen and dining room equipment and arrangements; efficient management of the
home, including budgeting of the income, are considered. Lectures, outside readings and reports. Two lectures, one laboratory or visiting period per week. First semester, 3 credits. Assistant Professor Miller.

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. Assistant Professor Miller.

See pages 48-51 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. A separate course for students taking vocational Home Economics is given on page 49.

Arrangements have been made for field practice for senior girls in Household Science desiring such training, as follows:

1. The Social Service Bureau of Honolulu will give field practice in social nutrition work under the direction of its trained workers for senior girls majoring in Household Science. H. S. 200 must be taken previously or parallel. Sociology satisfactory to the Social Service Bureau will also be required. The number of hours and 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 senior girls may obtain field practice as dietitians in the hospital. Hours and credit will be arranged for each individual student.

JAPANESE

Professor Harada

100. BEGINNER'S COURSE. Colloquial Japanese; pronunciation, conversation and grammar using romanized spelling (First Semester). Reading, translating and writing in Katakana and Hiragana, using Japanese readers (Second Semester). First and second semesters, 3 credits each. Professor Harada.


200. ADVANCED COURSE. Reading of advanced, readers, modern literature and magazine articles. Exercises on translation and essay writing. First and second semesters, 3 credits each. Professor Harada.
*Professor Harada.*

**MATHEMATICS**

**Professor Donaghho**  
**Professor Webster**

*104. **Engineering Mathematics.***(a) Analytic geometry, plane and solid. (b) Spherical trigonometry. (c) A short course in Advanced Algebra, including symmetric functions, partial fractions, irrational functions, simultaneous quadratic equations, binomial theorem, theory of equations, infinite series, logarithms. (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.  
*Professor Webster.*

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

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

*151. **Algebra and Analytic Geometry.** Prerequisite: Same as for Course 150. Second semester, 3 credits.  
*Professor Webster.*

*152. **Analysis.** 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.  
*Professor Donaghho.*

*153. **Analysis.** Continuation of Course 152. Second semester, 3 credits.  
*Professor Donaghho.*

*156. **Elementary Mathematics.** An analysis of the mathematics of the high school courses, with reference to the underlying principles, and methods of teaching. Prerequisites: Elementary Algebra and Plane Geometry. First semester, 1 or 2 credits.  
*Professor Donaghho.*

*157. **Elementary Mathematics.** Continuation of Course 156. Second semester, 1 or 2 credits.  
*Professor Donaghho.*

*250. **Astronomy.** 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. (Offered in 1927-1928.)  
*Professor Donaghho.*
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. Two of the three periods are devoted to drill practice and one period to theoretical training, during the first year basic course; one period is devoted to drill and two periods are devoted to theoretical training during the second year basic course. Students who wish may attend a summer camp. 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.
Basis for calculation of time available for instruction

1. Minimum hours of instruction per week required by law
2. Estimated number of weeks per academic year
3. Estimated total available academic hours
4. Probable number of classroom periods for recitation on prepared subjects
5. Probable number of periods for practical instruction
6. Credits for each semester

SUBJECTS AND SCOPE

THE FIRST YEAR BASIC COURSE

(Military Science 100)

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Hours Alotted</th>
<th>Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marksmanship</td>
<td>15 hours</td>
<td>T.R. 150-5</td>
</tr>
<tr>
<td>Military Courtesy</td>
<td>3 hours</td>
<td>Lectures and Illustrations</td>
</tr>
<tr>
<td>Military Hygiene and First Aid</td>
<td>8 hours</td>
<td>T.R. 113-5 and 112-5.</td>
</tr>
<tr>
<td>Physical Drill</td>
<td>6 hours</td>
<td>Lectures and practical instruction stressing the importance of physical training in the military profession</td>
</tr>
<tr>
<td>Command and Leadership</td>
<td>64 hours</td>
<td>Instruction both theoretical and practical in the following:</td>
</tr>
<tr>
<td>Students of the first year Basic Course</td>
<td>T.R. 50-15</td>
<td>T.R. 50-20</td>
</tr>
<tr>
<td>will be required to function as privates at military drills and exercises.</td>
<td>T.R. 420-40</td>
<td>T.R. 420-45</td>
</tr>
<tr>
<td>Inspections and Ceremonies</td>
<td>12 hours</td>
<td>T.R. 420-20 and 135-5.</td>
</tr>
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</table>
### THE SECOND YEAR BASIC COURSE

_(Military Science 110)_

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Hours Allotted</th>
<th>Text</th>
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<tbody>
<tr>
<td>Scouting and Patroling</td>
<td>12 hours T.R. 200-5</td>
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<tr>
<td>Musketry</td>
<td>10 hours T.R. 145-5</td>
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<tr>
<td>Interior Guard Duty</td>
<td>4 hours T.R. 135-15</td>
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<tr>
<td>Automatic Rifle</td>
<td>12 hours T.R. 150-30 and 320-25</td>
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<tr>
<td>Command and Leadership</td>
<td>58 hours Theoretical instruction and practical application of the following:</td>
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</tr>
<tr>
<td>Course will be required to function as squad leaders at military drills and exercises.</td>
<td>T.R. 50-15</td>
<td>T.R. 50-20</td>
</tr>
<tr>
<td></td>
<td>T.R. 420-40</td>
<td>T.R. 420-45</td>
</tr>
<tr>
<td></td>
<td>T.R. 50-90</td>
<td></td>
</tr>
<tr>
<td>Inspections and Ceremonies</td>
<td>12 hours T.R. 420-20 and 135-5</td>
<td></td>
</tr>
</tbody>
</table>

### THE FIRST YEAR ADVANCED COURSE

_(Military Science 200)_

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Hours Allotted</th>
<th>Text</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>T.R. 420-115</td>
<td>T.R. 420-120</td>
</tr>
<tr>
<td></td>
<td>T.R. 420-125</td>
<td>T.R. 420-130</td>
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<tr>
<td></td>
<td>T.R. 240-10</td>
<td>T.R. 240-15</td>
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<td></td>
<td>T.R. 240-30</td>
<td></td>
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<tr>
<td>Command and Leadership</td>
<td>52 hours Theoretical instruction and practical application of the following:</td>
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</tr>
<tr>
<td>Course will be required to function as section leaders at military drills and exercises.</td>
<td>T.R. 50-15</td>
<td>T.R. 50-20</td>
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<td></td>
<td>T.R. 420-40</td>
<td>T.R. 420-45</td>
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<td>T.R. 420-50</td>
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<td>T.R. 420-85</td>
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<tr>
<td></td>
<td>T.R. 50-90</td>
<td></td>
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<tr>
<td>Inspections and Ceremonies</td>
<td>12 hours T.R. 420-20</td>
<td>T.R. 475-5</td>
</tr>
<tr>
<td>Military Sketching and map reading</td>
<td>24 hours T.R. 420-100</td>
<td>T.R. 420-105</td>
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<tr>
<td>Combat Principles</td>
<td>16 hours T.R. 420-110</td>
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# Military Science

## The Second Year Advanced Course

### (Military Science 210)

<table>
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<tr>
<th>Subjects</th>
<th>Hours</th>
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<th>Text</th>
</tr>
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<tbody>
<tr>
<td>Administration</td>
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<td>Lectures and practical work on the following:</td>
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<tr>
<td></td>
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<td>Morning report</td>
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<td>Duty Roster</td>
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<td>Sick report</td>
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<td></td>
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<td></td>
<td>Company Fund</td>
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<td></td>
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<td>Military Correspondence</td>
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<td>Orders</td>
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<td>Care of Property</td>
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<td></td>
<td></td>
<td></td>
<td>Messing</td>
</tr>
<tr>
<td>Combat Principles</td>
<td>46</td>
<td>T.R. 420-100</td>
<td>T.R. 420-105</td>
</tr>
<tr>
<td>Command and Leadership</td>
<td>52</td>
<td>T.R. 420-120</td>
<td>T.R. 420-115</td>
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<tr>
<td>Students of the second year</td>
<td></td>
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<td>Theoretical and practical instruction in the following:</td>
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<tr>
<td>Advanced Course required to function as platoon leaders at military drills and exercises.</td>
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<tr>
<td>Military Law</td>
<td>4</td>
<td>Lectures</td>
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<tr>
<td>Rules of Land Warfare</td>
<td>2</td>
<td>Lectures</td>
<td></td>
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</tbody>
</table>

### Preparation for Promotion

#### (Military Science 211)

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 and second semesters, 2 credits each. 

*Professor Clarke.*
Music, Philosophy

MUSIC

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 left to the judgment of the University of Hawaii.

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.

PHILOSOPHY

Asst. Professor Myrick

100. Introduction to Philosophy. This course will have two aims, of which the first is to acquaint students with some of the more important philosophical problems and the answers which some of the more important philosophers have given. Among the questions raised will be the following: Is matter or mind the only reality, or are they both real? What is the relation of our minds to our bodies? Is the world governed solely by material causation or in part by purposes? What is the evidence for the theory of evolution?

The second aim will be to find a place in life for both science and religion. The course will try to show that science, instead of contradicting all religion, is quite consistent with a view of reality which will satisfy the religious instincts of man. The existence and nature of God, His relation to the world, immortality, and the problem of evil will all be discussed.

Lectures and recitations; papers and conferences. Open to Sophomores and upper classmen. First and second semesters, 3 credits each. (In 1926-1927 this course was numbered Philosophy 152 and extended through the first semester only.)

Assistant Professor Myrick.

150. Logic. Deductive and inductive. Open to Sophomores. First semester, 3 credits. Assistant Professor Myrick.

200. History of European Philosophy. The development of European thought from the earliest of the Greek thinkers to
Philosophy, Physical Education

our own day; its relation to the social, political, and religious life of the times; the origin and early development of scientific ideas; incidental comparison with Eastern thought. Philosophy 254, the Civilization and Culture of Ancient Greece, is suggested as a companion course. Lectures and recitations. Open to Juniors and Seniors who have had Philosophy 100 or who obtain the consent of the instructor. First and second semesters, 3 credits each.

Assistant Professor Myrick.

253. ETHICS. Open to Sophomores and upper classmen. Second semester, 3 credits. Assistant Professor Myrick.

254. CIVILIZATION AND CULTURE OF ANCIENT GREECE. A cursory survey of Greek history, literature, and art, and her contributions—other than philosophical—to civilization. Most of the outside reading will consist of Greek literary masterpieces in English translation. A companion course to Philosophy 200. Lectures, recitations, and reports. Open to Sophomores and upper classmen. First semester, 3 credits.

Assistant Professor Myrick.

PHYSICAL EDUCATION

Professor Klum Miss Gay

For Men

All first and second-year physically fit men students registered as regular students or as special students taking eight or more credit hours a semester and not registered for R. O. T. C. are required to take three periods per week of Physical Education.

102. REQUIRED OF FRESHMEN AND SOPHOMORES NOT REGISTERED FOR R. O. T. C. This course includes games, natural gymnastics, athletics, and individual gymnastics. Three hours per week. First and second semesters, 2 credits each.

Professor Klum and Assistant.

274. THEORY AND PRACTICE OF PHYSICAL EDUCATION FOR MEN. A course intended for men who expect to handle Physical Education activities in secondary schools. The course covers the coaching of secondary school sports, the supervision of playground activities, etc. Restricted to Juniors and Seniors with registration contingent upon the consent of the instructor. First semester, 2 credits. This course was given in the second semester in 1926-1927 and was numbered 275.

Professor Klum.

For Women

All women students under twenty-five years of age and registered as regular students or as special students taking eight or more credit hours a semester are required to take a minimum of
one credit hour per week of Physical Education. Exemption from this requirement may be obtained only by permission of the Faculty Committee. All students registered are required to attend classes until exemption has been granted.

First and second year students are required to take two periods per week of supervised exercise; third and fourth year students are required to take one period of supervised exercise.

100. REQUIRED OF FRESHMEN AND SOPHOMORES. This course will include archery, walking, individual gymnastics, and athletics. Two hours a week. First and second semesters, 1 credit each. Miss Gay.

200. REQUIRED OF JUNIORS AND SENIORS. This course will include archery, athletics and dancing. First and second semesters, 1 credit each. Miss Gay.

250-251. THEORY AND PRACTICE OF PHYSICAL EDUCATION. This course is intended for those students wishing to teach Physical Education as a minor subject in public schools. It will include the theory and coaching of athletics and games. Open only to Juniors and Seniors. First and second semesters, 2 credits each. Miss Gay.

260. DRAMATIC GAMES. This course will include singing, games, and pantomime. Open only to upper classmen and teachers. First semester, 2 credits. Miss Gay.

PHYSICS

Professor Kirkpatrick Mr. Magarian

The quarters of the Department of Physics comprise a well furnished lecture and demonstration hall, three student laboratories, a shop, dark room, seismograph chamber, offices, and suitable accommodations for storage and research.

In addition to standard apparatus for laboratory instruction in general physics the equipment includes instruments for precision measurements in electricity, x-ray and photographic apparatus, adequate electrical sources and a complete distribution system and power-driven shop machinery.

The Department of Physics cooperates with the U. S. Coast and Geodetic Survey in the operation of a seismographic station. Facilities are adequate for the prosecution of special investigations in several fields and the resources of the department are always at the service of persons qualified to attempt such work.

All undergraduate courses described below are given every year. One or more graduate courses are offered every year, the titles listed below being drawn from graduate courses presented during the past four years.
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 and other non-engineers. The textbook used is “Textbook of Modern Physics,” by Weld and Palmer. Fee $2.00 per semester. First and second semesters, 4 credits each.

*Professor Kirkpatrick, Mr. Magarian, and Assistant.*

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. The textbook used is “College Physics,” by Duff. Fee $1.00. First semester, 3 credits. *Mr. Magarian.*

151. **Sound and Heat.** Parallel course Mathematics 106. Two lecture-recitation periods and one laboratory period weekly. This is a required course for Sophomore students in Engineering. The textbook used is “College Physics,” by Duff. Fee $1.00. Second semester, 3 credits. *Mr. Magarian.*

*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. The textbooks used are “Advanced Laboratory Practice in Electricity and Magnetism,” by Terry; “Laboratory Manual,” by Clewell, and “Elements of Electrical Engineering,” by Cook. Fee $2.00 first semester, $1.00 second semester. First and second semesters, 3 credits each. *Professor Kirkpatrick.*

250. **Electricity and Magnetism.** Prerequisites: Physics 150 and Mathematics 106. One lecture-recitation period and one laboratory period weekly. This is a required course for Junior students in Engineering. The textbook used is “College Physics,” by Duff. Fee $1.00. First semester, 2 credits. *Mr. Magarian.*

251. **Light.** Prerequisites: Physics 150 and Mathematics 106. One lecture-recitation period and one laboratory period weekly. This is a required course for Junior students in Engineering. The textbook used is “College Physics,” by Duff. Fee $1.00. Second semester, 2 credits. *Mr. Magarian.*
252-253. **Supervised Reading.** Students may pursue any desired branch of physics through a plan of recommended readings and occasional consultations. Either semester, hours and credits by arrangement.  

*Professor Kirkpatrick.*

*350. Optics.* Prerequisites: A knowledge of general physics and Mathematics 106 or the equivalent. This course is a survey of geometrical optics, physical optics, spectroscopy in all regions, and optical theories both classical and recent. Two lecture-discussion periods weekly, with demonstrations. One semester, 2 credits.  

*Professor Kirkpatrick.*

*351. Electronic Physics.* 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 sub-atomic physics. Crowther's "Ions, Electrons, and Ionizing Radiations" is used as a text, with supplementary readings in other books and journals. One semester, 2 credits.  

*Professor Kirkpatrick.*

*353. Atomic and Molecular Structure.* A seminar course for students possessing a knowledge of the fundamentals of theoretical physics and chemistry. Molecular and atomic constitution is considered in the light of current physical and chemical views. In particular the models proposed by Bohr and by Lewis and Langmuir are considered in detail. Second semester, 2 credits.  

*Professor Kirkpatrick and.*

355. 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.  

*Professor Kirkpatrick.*

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

*Professor Kirkpatrick.*

**Physiology**

**Professor Edmondson**

251. **Physiology.** A course in physiology for the general student as well as those preparing for medicine. The functions characteristic of the various systems of organs of the human body are considered in detail. Not open to freshmen or sophomores. Three lectures a week. Second semester, 3 credits.  

*Professor Edmondson.*
POLITICAL SCIENCE

Professor Leebrick

*100. AMERICAN INSTITUTIONS. The aim is to teach citizenship by familiarizing students with the various institutions of American government and with new working principles. Training is given in reading newspapers, magazines and books; discussions of current events, local, national and international, are frequent. The discussion-recitation method is followed. Text: Munro's "The Government of the United States." The library has several copies of supplementary texts. Library fee $1.00 per semester. First and second semesters, 3 credits each.

Professor Leebrick.

*105. A COURSE IN POLITICAL SCIENCE FOR TEACHERS AND OTHERS. Course to be arranged with those interested at first session of class. An afternoon time will be arranged. First and second semesters, 2 credits each.

Professor Leebrick.

106. ENGLISH CONSTITUTIONAL LAW. A study of the development of the English government and the English judicial system from the periods of the Anglo-Saxons to the present. Lectures, discussions, and special reports. Intended for pre-legal students. Prerequisite: Political Science 100. Text: Taswell-Langmead, "English Constitutional History." First and second semesters, 3 credits each.

Dr. Lum.

*110. POLITICAL SCIENCE. Introduction to Political Science, Political Theory. Texts: R. G. Gettell's "Introduction to Political Science" and "Readings," and other assigned texts. First and second semesters, 3 credits each. (Not offered in 1927-1928.)

Professor Leebrick.

*120. COMPARATIVE GOVERNMENT. A comparison of the government of the United States with other governments, especially those of Great Britain, France, Switzerland, and Germany. Attention will be given to the principles of Political Science, and the end of the second semester will be devoted to a brief examination of current political ideas. Text: Bryce, "Modern Democracies." First and second semesters, 3 credits each.

Professor Leebrick.

200. INTERNATIONAL LAW. A study of the principles of international law governing the intercourse of states, chiefly as interpreted and applied by the United States, and as reflected in the discussions of international tribunals and the comments of authoritative writers. No previous knowledge of law is required. Prerequisite: Political Science 100 or a general knowledge of political science. Texts: Fenwick, "International Law," and
Evans, "Leading Cases on International Law." First and second semesters, 3 credits each.  

230-330. Seminar in Hawaiian Politics. Intended for advanced students interested in special problems in Hawaiian politics. No regular class meetings, but frequent conferences with the instructor. Only those specially qualified will be admitted. Credits according to amount of work done. Dr. Lum.

*250. International Organization. A study of the development of the modern state system, diplomacy, arbitration, international administration, conferences and congresses to 1919. Text: Potter "Introduction to the Study of International Organization." First semester, 3 credits. (Not offered in 1927-1928.) Dr. Lum.

251. Problems in International Organization and Relations. The purpose of this course is to analyze the political and legal development of some of the important problems of international law and contemporary organization of the society of nations, especially the League of Nations, and its relations to current war problems. Lectures, special reports, and class discussions. Prerequisite: Political Science 200 or 250. No one text is used, but reference readings are assigned. Second semester, 3 credits. (Not offered in 1927-1928.) Dr. Lum.

*252. Elections. This course includes consideration of electoral methods and history of the important countries of the world. Such problems as corrupt practices, non-voting, primary elections, etc., are studied. Special attention is given to problems in Hawaii. Prerequisite: Political Science 110 or 120. Text: Seymour and Frary, "How the World Votes." First semester, 3 credits. (Not offered in 1927-1928.) Dr. Lum.


254. Municipal Government. A study of the legal position of municipalities in the United States and of the structure of municipal city governments including mayor-council, commission, and commission-manager governments. Particular attention will be given to the City and County of Honolulu. Lectures, reference readings, and discussions. Prerequisite: Political Science 100. First semester, 2 credits. Dr. Lum.
255. **Municipal Administration.** A study of the principal functions and activities of municipalities; public works, public health and welfare, schools, police and fire. Special attention is given to budget making, purchasing, salary standardization, local tax administration, etc. Consideration will be given to the City and County of Honolulu. Lectures, assigned reference readings, and discussions. Prerequisite: Political Science 100 or 254. Second semester, 2 credits.

*Dr. Lum.*

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**Psychology**

*Professor Porteus*

*Miss Babcock*

*Professor Livesay*

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

*200. Directed Reading in Psychology.* 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. *Professor Livesay.*

*250. Educational Psychology.* 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. Prerequisites: Psychology 150 or its equivalent. First semester, 3 credits. *Professor Livesay.*

*251. Psychology of the Secondary School Subjects.* A consideration of psychological principles and experimental data bearing upon the learning and teaching of high school subjects such as History, Science, Mathematics, English, etc. Required of all who are registered for Education 253. Prerequisite: Psychology 250 or its equivalent. Second semester, 2 credits. *Professor Livesay.*

*252. Racial Psychology.* 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. **Professor Porteus.**

*253. Mental Measurements. A course of lectures with demonstrations of psychological tests, educational measurements and rating scales, with particular reference to those applicable to racial groups in Hawaii. The value and limitations of such tests both for clinical diagnosis and research purposes will be discussed. Second semester, 2 credits. **Professor Porteus and Miss Babcock.**

300. Research in Psychology. 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. **Professors Porteus and Livesay.**

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.

**SOCIIOLOGY**

**Professor Adams**

*250. Introduction to Sociology. Prerequisite: Two years of college work. First semester, 3 credits. **Professor Adams.**

252-253. A reading course in the literature of some field of social service to accompany Sociology 254-255. Consultations and reports monthly. Semester papers based on reading and practical work. Open only to students believed to be able to do successful work with but little direction. Credit not to exceed 3 units for each semester, to be given according to work accomplished. **Professor Adams.**

254-255. A practical course in social service is offered by the University in co-operation with certain social service agencies in Honolulu. Work has been given in co-operation with the Social Service Bureau and the International Institute and plans have been made for co-operation with the Department of Social Service in the Queen's Hospital. This Course is open only to such regular full time students as shall make appropriate arrangements for unpaid service. The student will devote such time as may be determined upon to actual work under the direction of the head worker of the selected social agency, and shall be
Sociology, Spanish

responsible to such head worker. Credit will be based on success in the work and the number of units shall be according to the amount of work done, but in no case shall it exceed five for any semester.

Professor Adams.

257. POPULATION. (1) A study of the facts of population density and their relation to standard of living and to general social welfare and progress. (2) A study of the qualitative problem from the standpoint of biological inheritance and selective agencies under recent conditions. (3) Racial contacts through migration and commerce. Second semester, 3 credits. (Not given in 1927-1928.)


Professor Adams.

350-351. Some Aspects of Race Contacts in Hawaii. A seminar course. Each member of the class will collect data relative to some situation and present them to the class with interpretation and conclusions. Discussion. A seminar course. Admission to not more than six seniors and graduates by special permission. Tuesday evening 7:30-9:30. First and second semesters, 2 credits each.

Professor Adams.

SPANISH

Professor Pecker


Mrs. Rand.


Professor Pecker.


Professor Pecker.
251. **ADVANCED SPANISH SEMINAR.** 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.  

*Professor Pecker.*

252. **MODERN SPANISH NOVEL.** Rapid reading course with advanced work in composition and conversation. Review of grammar. This course alternates with Spanish 250. Prerequisite: Two years of college Spanish. First semester, 2 credits. (Not offered in 1927-1928.)  

*Professor Pecker.*

253. **MODERN SPANISH DRAMA.** 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 in 1927-1928.)  

*Professor Pecker.*

**SUGAR TECHNOLOGY**

*Professor Dillingham  Mr. McAllep*

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

The sugar laboratory contains a recent model Schmidt and Haensch saccharimeter, a Bausch and Lomb saccharimeter, a Landolt-Lippich polariscope, for monochromatic light, a Stammer colorimeter, an Abbe-Zeiss and an immersion refractometer, and practically all the miscellaneous apparatus needed in a sugar factory laboratory. A number of old model polariscopes of different types have been donated by plantations, and are of value in demonstrating the theory and construction of the modern instrument.

201. **SUGAR ANALYSIS.** Laboratory and lecture course intended to fit the student for the position of chemist in a sugarhouse 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 or 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.  

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

*Professor Dillingham.*

252. **Sugar Manufacture.** A series of lectures and recitations on the manufacture of sugar, taking up in detail a discussion of the various types of machinery and apparatus employed in the best modern factories and the principles involved in their use, embodying such topics as multiple milling, the effect of various types of roller grooving, pressure and maceration on extraction, clarification of juices, multiple effect evaporation, the economical use of steam, sugar boiling, crystallization in motion, and the curing, drying, and preparation of sugars for the market. Though this is primarily a course for cane sugar men, a brief description of the methods employed in beet sugar manufacture and refinery practice is also given, together with a discussion of the various processes for making white sugar direct from the cane. Required of Seniors in Sugar Technology. Prerequisite: S. T. 201 and 253. Three hours a week classroom. First semester, 3 credits.

*Mr. McAllep.*

253. **Summer Practice.** During the summer vacation between the Junior and Senior years, students in Sugar Technology will be required to spend at least 8 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.

*Professor Dillingham.*

255. **Field Practice.** During the second semester of the Senior year in the Agricultural Division the student does his work in the capacity of a Student Assistant in the Experiment Station of the Hawaiian Sugar Planters' Association. He may serve a part or all of the time at the Waipio Substation, or he may be sent out as an assistant to the field men in charge of experimental work on the various plantations. A written report in duplicate must be submitted at the end of the semester. 16 credits. In order to be admitted to this course previous enrollment for at least one semester in the University of Hawaii is necessary.

*Professor Dillingham.*
257. FACTORY PRACTICE. 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. 

Professor Dillingham.

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.

ZOOLOGY

Professor Edmondson  Mr. Hannum

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.

Professor Edmondson.

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 $1.00 per semester. First and
second semesters, 2 credits each. (Not given in 1927-1928.)

Professor Edmondson.

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. Re­
quired of pre-medical students and Sophomores in Agriculture.
Two lectures and one laboratory period a week. Fee $1.00. First
semester, 3 credits.

Professor Edmondson and Mr. Hannum.

151. COMPARATIVE ANATOMY OF VERTEBRATES. A continua­
tion 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. Text: Kingsley’s
“Comparative Anatomy of Vertebrates,” and other reference
works. Prerequisite: Zoology 150. Required of pre-medical stu­
dents. Two lectures and one laboratory period a week. Fee
$2.00. Second semester, 3 credits.

Professor Edmondson and Mr. Hannum.

152. HISTOLOGICAL TECHNIQUE. A laboratory course involv­
ing methods of fixing, staining and mounting animal tissues.
Studies will be made of the tissues prepared. Prerequisites:
Zoology 150 and 151. Two laboratory periods a week. Fee $5.00.
First semester, 2 credits.

Mr. Hannum.

153. VERTEBRATE EMBRYOLOGY. A laboratory and lecture
course in which the principles of Embryology are illustrated by a
detailed study of the development of the chick. Text: Patten’s
“Embryology of the Chick.” Prerequisite: Zoology 152. Fee
$5.00. Second semester, 3 credits.

Mr. Hannum.

300. RESEARCH. Students with sufficient preparation are
encouraged to undertake the investigation of special zoological
problems with reference to land, fresh water, or marine animals.
Hours and credits to be arranged.

Professor Edmondson and Mr. Hannum.
UNIVERSITY EXTENSION SERVICE

"Making the Territory of Hawaii Our Campus."

The University of Hawaii is offering a program of extension service whereby some of its educational facilities may be of larger and wider use throughout the Territory. In equipping for its primary function of educating the youth of Hawaii the University has provided scientific laboratories, an extensive library and a corps of specialists as instructors. So far as it is compatible with its primary function, this equipment is offered for service beyond the University campus.

The Extension Division is directing its public service along two lines, agricultural and general.

1. Agricultural:
   a. Short Courses.
   b. Home Study.
   c. Marketing Service.
   d. Extension Letter.
   e. Personal Service.

2. General:
   a. Evening and Special Courses.
   b. Lecture Service.
   c. Reading Courses.
   d. Miscellaneous Public Service.

The Extension Courses to be offered in 1927-1928 will be announced at a later date, a copy of which announcement will be sent to any address upon request.

Some of the Extension Courses carry university credits while others do not. Persons desiring credit register as "special students" at the office of the Registrar, while those who do not require credits register at the office of the Extension Director.

HOME READING COURSES

The Extension Division collaborates with the United States Bureau of Education in offering a series of Home Reading Courses on a wide range of subjects. Each of these courses offers a suggested list of approved books on a certain subject, these books to be obtained by the reader by purchase or loan, and upon completion of the prescribed reading an engraved certificate is awarded, signed by the United States Commissioner of Education and the President of the University of Hawaii. A detailed announcement of these courses will be sent to any address upon request.
Extension Service

HOME STUDY

Other home study helps are issued by the Extension Division. A weekly *Extension Letter* is published for the benefit of agriculture in Hawaii and sent to subscribers, the charge being $1.00 per year. A *Story of Cane Sugar*, a textbook for use in the seventh and eighth grades, was prepared and published by the Extension Division, and offered to schools in Hawaii at 50 cents per copy. Several mimeographed sets of home study lessons on Hawaiian agriculture are available at cost. Government bulletins are sent free, upon request.

MARKETING SERVICE

By a special provision made by the 1925 session of the Territorial Legislature, a Marketing Agent is employed to assist farmers in the marketing of their produce. Mr. Lawrence Gay, Marketing Agent, devotes his entire time to this project throughout the Territory, gathering all available information about production and market trends for the benefit of the public in Hawaii.

LECTURE SERVICE

A program of informal lectures by faculty members has been given by the University throughout the Islands. Information concerning this service will be mailed upon request.

PUBLIC SERVICE

Under this head are included miscellaneous forms of public service, such as technical laboratory and field investigations, expert consultations, dissemination of information through the press or otherwise, special correspondence, etc.
DEGREES CONFERRED
JUNE, 1926
DOCTOR OF SCIENCE

In Agriculture
Willis Thomas Pope, B.S. Kansas Agric. College, 1898; M.S. University of California, 1916.
Thesis:—A Study of Certain Economic Fruit Plants of the Hawaiian Islands.

MASTER OF SCIENCE

In Sugar Technology, Agric.
Charles Frederick Poole, B.S. in Sugar Technology, College of Hawaii, 1920.
Thesis:—Some Methods Used in the Improvement of Sugar Cane.

MASTER OF ARTS

In English
Floralyn Cadwell, B.L. University of California, 1912.
Thesis:—The Sources of the Poetic Mind in Emily Dickinson.
Viola Lenore Kleinke, A.B. University of Nebraska, 1919.

BACHELOR OF SCIENCE

In Agriculture
Beatrice Hilmer Krauss

In Civil Engineering
William Alfred Hartman
Kazumi Makino

In General Science
Edward Beckwith Hair
*Sadao Sanford Katsuki
Kenneth Raymond Kerns
Lambert Clarence Kerns
David Fook Sheong Leong
James Sinn Low
Íwao Miyake
Hideo Lincoln Nakamura
Walter Howard Samson
Theodore Cooper Searle
Sadao Takakawa
Henry Oliver Thompson
Walter Philipp Thompson
Degrees Conferred

David Hidemichi Tokimasa
Fook Hing Tong
*Hoichiro Uchiyama
  In Home Economics
Marion Plunkett Goddard
  In Sugar Technology
Yasuo Ishikawa With honors
Hyun Moo Lee
Ronald Horner McLennan
Takeo Nakamura
James Lundie Nicoll With honors
*Richard Penhallow

BACHELOR OF ARTS

Mitsuko Abe
Gladys Martin Aho
Alfred Kaonohi Bell
Anita Jacintha Carvalho
Louis Keahiulaokalani Collins
Bernice Emily Corell
Gladys Hansen Faulkner
Frances Marion Fox
Marguerite Isabel Frye
Ellen Yanagi Fujino
Iwao Hara
Cenie Simmerman Hornung
Koichi Imai
Uichi Kanayama With honors
Masatoshi Katagiri
James Edward Kawelo
Elizabeth Kam Siu Lani With honors
Yun Fat Lee
*Sau Ung Loo
Berthie Soy Kan Louis
Hardy Chun Lum
Elsie May Lydick
Audrey Linn McTaggart
Esther Park
Samuel Keao Poepeo
Ella-Nora Ryan
George Sakamaki
Walter John Short
Margaret Charlotte Smith
Somerville Thomson With honors
Joon Tai Whang
Kauai Wilcox
William Spencer Wise

* Degree granted September 24, 1926.
HOLDERS OF UNIVERSITY SCHOLARSHIPS
1926-1927

University Club Sophomore Scholarship
DONALD OLMSTEAD

Hilo Chamber of Commerce Scholarship
DAVID MAKAOI

Honolulu Rotary Club Student Loan Fund
HENRY WIEBKE

Prince Fushimi Fund Scholarship
SHIKU OGURA
EDWARD SHIMOKAWA
HAROLD ODA

Daughters of American Revolution Scholarship
DORIS HAIR
ADA FORBES

Honolulu Chamber of Commerce Freshman Scholarship
MARCELLINO CORREA

Honolulu Chamber of Commerce Agricultural Scholarship
MURRAY HEMINGER

Chinese Community Scholarship
AH HO CHUN

Stephen Spaulding Scholarship
HENRY TOM

Maui Woman's Club Scholarship
WALTER LINDSAY

Representatives Club Scholarship
JAMES SHIN

Friend Peace Scholars
The following students in the University of Hawaii hold scholarships awarded by “The Friend,” a publication of the Hawaiian Board of Missions, for excellence in peace essays.
KENICHI INOUYE
MISAYO ISHIZAKI
RICHARD KANEKO
SAMUEL KAWAHARA

ESTHER OGAWA
PAUL OSUMI
SHUNZO SAKAMAKI
DAVID TSUNEHIRO
REGISTER OF STUDENTS
1926-1927

GRADUATE STUDENTS

Axtelle, George E., 3670 Sierra Avenue, Honolulu.
B.S., Univ. of Washington, 1923.

Babcock, Marjorie, 13 Center Street, Hornell, N. Y.; 2726 Hillside Ave.
A.B., Wells College, 1919.

Barnhard, Emma C., Punahou Schools.
B.S., Columbia Univ., 1922.

Berkey, Ira F., Punahou School.
B.S., Reed College, 1925.

Carden, Florence C., 2701 Aolani Drive.
B.S., Univ. of California, 1911.

Childs, Clinton S., Wailuku, Maui.
A.B., Cornell Univ., 1907.

Clune, Eva M., 2256 Liliha Street.
A.B., Univ. of Hawaii, 1923.

Davis, Evelene, 2216-A Kalia Road.
B.A., College of the Pacific, 1922.

Faulkner, Robert M., Punahou Farm.
B.A., Univ. of Hawaii, 1924.

Faus, Marie Keim, 2323 Ferdinand Street.
B.A., Univ. of Colorado, 1919.

Forbes, Dyfrig McH., Hacienda El Potrero, El Potrero, Vera Cruz, Mexico.
B.S., Sugar Technology, Univ. of Hawaii, 1925.

Harris, Mary Robey, 2460 Koa Avenue.
B.A., Univ. of Oklahoma, 1913.

Hormann, María M., 1036 Green Street.
B.A., Univ. of Hawaii, 1923.

Kamm, Mary, 192 S. School Street.
B.S., Univ. of Hawaii, 1927.

King, Reginald H., 1527 Makiki Street.
B.S., Univ. of California, 1922.

Krauss, Beatrice Hilmer, 2447 Parker Street.
B.S., Univ. of Hawaii, 1926.

Lawson, Edna B., 1324 Piikoi Street.
A.B., Univ. of Nebraska, 1919.

Leaf, Curtis T., Moweaqua, Illinois; Kamehameha Schools.

Lum, Richard K. Y., 2101 N. King Street.
B.S., Univ. of Hawaii, 1924.

Lydick, Elsie May, Salina, Oklahoma; Univ. of Hawaii.
B.A., Univ. of Hawaii, 1926.
MacNeil, Helen B., 2010 Hunnewell Street.
B.A., Boston University, 1912.

Marshall, Emily L., 948 Corbett Street, Portland Oregon; 18 Ocean View Court.
B.S., Univ. of Oregon, 1923.

Martin, Joseph P., Nevada City, Cal.; H. S. P. A. Experiment Station.
B.S., Univ. of California, 1921.

McTaggart, Earl L., Box 161, Puunene, Maui.
B.S., Univ. of Hawaii, 1922.

Miyako, Iwao, Koloa, Kauai; Nuuanu Japanese Church, corner Kukui and Nuuanu Streets.
B.S., Univ. of Hawaii, 1926.

Morita, Helene Tsuruyo, 1021 Kama Lane.
B.S., Univ. of Hawaii, 1924.

Mydroic, Ruth, 1340 Koko Head Avenue.
A.B., Univ. of Washington, 1906.

Olson, Miriam, Cottage Grove No. 6.
B.A., Pomona College, 1924.

Pahau, Robert, Hilo, Hawaii.
B.S., Univ. of Hawaii, 1918.

Sakamaki, Shunzo, Hilo, Hawaii; 610 S. King Street.
B.A., Univ. of Hawaii, 1927.

Smith, Alice W., Lunalilo Home.
B.S., Teachers College, Columbia Univ., 1916.

Smith, Enid S., 1009 13th Avenue.
A.B., Univ. of Southern California, 1926.

Thomson, Helen G., Punahou Farm School.
B.S., Occidental College, 1920.

Thomson, Somerville, Punahou Farm School.
B.A., Univ. of Hawaii, 1926.

Van Winkle, Margaret E., 1536 Dominis Street.
B.S., Knox College, 1919.

Woodhull, Deborah, 2112 Damon Street.
B.A., Univ. of Hawaii, 1927.

CANDIDATES FOR BACHELOR’S DEGREES

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. The capital letter S signifies registration in the College of Applied Science; A, registration in the College of Arts and Sciences. Roman numerals indicate class,—I Freshman, II Sophomore, etc. The descriptive phrase following Roman numerals indicates course or major work.

Abe, Lillian N., 26, 16 (A1 Education), 1148 Wilder Ave.
Abel, Marielouise, 259, 115 (AIV Education), 2136 Lanihuli Drive.
Achuck, Rose W., 26, 13 (AI Education), 526 No. School St.
Adachi, Masayuki, 12, 16 (AI Social Sciences), Makawao, Maui; Mid-Pacific Institute.
Ainoa, Daniel K., 175, 128 (SIV General Science), 1068 Kaili St.
Aizawa, Masao, 30, 23 (SI General Science), Kihei, Maui; 1496 Emma St.
Aki, Alfred, 177, 123 (SIV General Science), 3714 Keau St.
Akinaka, Arthur Y., 45, 20 (SI Sugar Tech.), 1503 Houghtailing St.
Ako, Edith, 27, 17 (AI Education), Waimea, Kauai; 148 School St.
Aloiau, Kenneth W., 63, 59 (SII Civil Engineering), 1253 So. Beretania St.
Anderson, Dorothy C., 87, 51 (AI Education), Lihue, Kauai; Girls’ Dormitory.
Anderson, Evelyn, 83, 71 (AIII Education), 2240 Oahu Ave.
Aoki, Satoru, 5, 12 (SI Pre-Medical), Papaaloa, Hawaii; Y.M.B.A., Fort St.
Ard, Peggy, 9, 12 (AI Lang., Lit, and Art), Schofield Barracks; Castle Hall, Punahou.
Arioli, Walter, 167, 99 (AIII Pre-Legal), 612-J Weaver Lane.
Ashton, Courtland, 55, 48 (SII Sugar Tech., Chem.), Central Y.M.C.A.
Au, Sung Hin, 27, 20 (SI Sugar Tech., Chem.), 1522 Kauluwela Lane.
Auld, Charles H., 15, 12 (SI Agriculture), Alewa Heights.
Ault, Norman C., 11, 14 (30) (AI Commerce), 1419 Dominis St.
Bartels, Helene, 27, 17 (AI Education), Haina, Hamakua, Hawaii; Castle Hall, Punahou.
Bartels, Henry A., 60, 52 (SII Sugar Tech., Agric.), Haina, Hamakua, Hawaii; Men’s Dormitory.
Bartlett, Gladys M., 18, 17 (AI Social Sciences), 2730 Terrace Drive.
Beers, Pearl M., 35, 18 (23) (SI Home Economics), 1512 Spreckels St.
Bemrose, Norma B., 25, 18 (SI Home Economics), 1443 Emerson St.
Benton, Imogene, 63, 47 (25) (AIII Education), Hanalei, Kauai; Girls’ Dormitory.
Betsui, Takeji, 286, 131 (SIV Pre-Medical), Hanapepe, Kauai; Mid-Pacific Institute.
Beutel, Mary G., 22, 16 (AI Social Sciences), 232 Lewers Road.
Black, Margaret D., 270, 129 (AI Education), 1020 Kapio St.
Black, Martin James, 37, 43 (SII Sugar Tech., Agric.), Halawa, Kauai, Hawaii; Men’s Dormitory.
Blake, Emma B., 46, 40 (AI Education), Koloa, Kauai; 1905 Hani Lane.
Blake, Juliette M., 27, 19 (SI Home Economics), Koloa, Kauai; 1905 Hani Lane.
Bowman, Nina, 103, 77 (AIII Education), 2723 Aolani St., Manoa.
Boynton, Elizabeth, 16, 16 (AI Social Sciences), Commonwealth Ave., San Francisco, Cal.; Girls’ Dormitory.
Broadbent, Alice J., 47, 42 (AI Commerce), Lihue, Kauai; Girls’ Dormitory.
Register of Students

Brodie, Hugh W., 89, 113 (35%) (SIV General Science), Eleele, Kauai; Iolani School.

Brown, Allen Clark, 24, 25 (All Commerce), 2522 Jones St.

Brown, Nora Marie, 29, 30 (All Education), 2522 Jones St.

Buchanan, Charles, 30, 22 (SIV General Science), Lahaina, Maui; 1337 Fort St.

Buchanan, Genevieve, 34, 30 (All Education), Lahaina, Maui; 1336 Lunalilo St.

Caeceres, Alice K., 65, 50 (All Education), P. O. Box 916, Hilo, Hawaii; 2871 Kalei Road, Moiliili.

Carlson, Sidney A., 4, 14 (SIV General Science), Astoria, Oregon; 2020 Makiki St.

Carter, Charlotte E., 119, 76 (All Education), 909 Lafayette St., Alameda, Cal.; Girls' Dormitory.

Carter, Edward W., 148, 138 (SIV Civil Engineering), 160 Kealohilani Ave.

Cayaban, Jesus O., 7, 16 (All Education), Vigan, Ilocos Sur, P. I.; 2030 Kealohalani Ave.

Chalmers, William C., 7, 15 (SIV Agriculture), Paia, Maui; Pan-Pacific Union.

Chang, Bing Tong, 20, 19 (SIV Civil Engineering), 1031 Nuuanu St.

Cheatham, Orme E., 150, 96 (SIII Civil Engineering), Kapaa, Kauai; Men's Dormitory.

Ching, Ah Yune, 24, 17 (SIV Sugar Tech.), P. O. Box 19, Ewa, Oahu.

Ching, Chi Kwan, 7, 19 (All Social Sciences), C/o Tai On Chang, Hong Kong, China; 1516 Kewalo St.

Ching, Edward Tim, 107, 92 (SIII Pre-Medical), Kapaa, Kauai; P. O. Box 1833, Honolulu.

Ching, Herman Y. C., (SIV Civil Engineering), 1503 Nuuanu Ave.

Ching, Hung Dau, 23, 20 (SIV General Science), 2130 Wilder Ave.

Ching, Hung Wai, 141, 100 (SIII Civil Engineering), 2131 Dole St.

Ching, Koon Wai, 102, 82 (All Commerce), P. O. Box 15, Kapaa, Kauai; 1436-C Lunalilo St.

Ching, Quan Lun, 102, 85 (SIII Education), P. O. Box 86, Hanapepe, Kauai; 1514 Lusitana St.

Chong, Kim Fan, 23, 13 (All Education), 1625 Beretania St.

Chong, Nyuk Yin, 243, 128 (2) (All Education), 1313 McCully St.

Christoffersen, Clarence D., 14, 17 (SIV General Science), Kahuku, Oahu; Men's Dormitory.

Christoffersen, Regina E., 41, 17 (All Education), Kahuku, Oahu; Castle Hall, Punahou.

Chu, Paul, 42, 19 (SIV Civil Engineering), 227 So. Vineyard St.

Chun, Ah Ho, 54, 18 (All Education), Kukuihaele, Hawaii; Mid-Pacific Institute.

Chun, Ah Kong, 32, 18 (All Education), Kukuihaele, Hawaii; Mid-Pacific Institute.
Register of Students

Chun, Helen K. M., 43, 20 (AI Education), 427-A King St.
Chun, Kan Mung, 117, 54 (All Commerce), 75 New Era Lane.
Chun, Wai Sue, 158, 88 (4) (AlII Education), 1050 Beretania St.
Chung, Dora, 88, 53 (64) (AlV Education), 1028 Beretania St.
Chung, Nathaniel W., 100, 88 (SIII General Science), 904 Tenth Ave.
Chunn, Livingston, 32, 18 (SII Pre-Medical), 1246 Hall St.
Cloward, Ralph B., 15, 16 (SI General Science), Venice Sevier Co., Utah; 2323 Oahu Ave.
Collins, Bertha L., 53, 39 (AlV Education), Kealakekua, Hawaii.
Comstock, Lena M., 205, 88 (32) (AlV Education), Schofield Barracks, 21st Infantry; 1641 Anapuni St.
Coney, Clarissa P., 13, 13 (Al Commerce), Lihue, Kauai; Girls' Dormitory.
Cook, Thomas K., 30, 42 (All Pre-Legal), P. O. Box 603, Hilo, Hawaii; 1020 12th Ave., Kaimuki.
Cooke, Charles M., III., 15, 15 (AI Social Sciences), 2859 Manoa Rd.
Cornelison, Alexander H., 238, 136 (SIV General Science), 2536 Upper Manoa Road.
Cornelison, Mary E., 24, 17 (65), (AlII Lang., Lit., and Art), 2536 Upper Manoa Road.
Correa, Marcellino, (SI Civil Engineering), Wailuku, Maui; 1320 Kapipolani Street.
Cox, Lydia K., 114, 76 (AlII Education), 1138 Hassinger St.
Coykendall, Thaddeus R. B., 44, 79 (All Pre-Legal), 816 Magoffin Ave., El Paso, Texas; 1519 Wilder Ave.
Crawford, Harold R., 13, 16 (SI Agriculture), P. O. Box 14, Waipahu, Oahu.
Creedon, John Patrick, 0, 11 (SI Agriculture), 20 Aulii Drive.
Cruz, Antonio I., 10, 17 (32) (SII General Science), Anigua, Guam, M. I.; U. S. Experiment Station.
Cushnie, Edward F., 42, 54 (AlII Pre-Medical), Pahala, Hawaii; Men's Dormitory.
Daishi, Thomas M., 34, 18 (AI Commerce), Honokaa, Hawaii; 3519 Kanaina Ave.
Das, Upendra Kumar, 176, 90 (45) (SIV Sugar Tech., Agric.), Muchikandi, Sylhet, India; Experiment Station, H.S.P.A.
Dean, Lyman Arnold, 19, 15 (SI Agriculture), 2225 Hyde St.
Dean, Sylvia, 157, 87 (SIII Home Economics), 2225 Hyde St.
Dease, Maitland C., 50, 19 (SI Civil Engineering), 1048 Koko Head Ave.
Dease, Warren MacD., 79, 50 (AI Commerce), 1048 Koko Head Ave.
Denison, Alice, 184, 92 (SIII Home Economics), 1840 Vancouver Highway.
Devereux, John W., 14, 17 (SI Pre-Medical), 1479 Thurston Ave.
Dishman, Addison V., 31, 20 (AI Commerce), 311 Saratoga Rd.
Doi, Asao, 134, 98 (SIII Sugar Tech., Agric.), P. O. Box 27, Kaumana, Hilo, Hawaii; Y.M.B.A., Fort St.
Register of Students

Doi, Ralph T., 55, 50 (SII Sugar Tech., Agric.), 921 Kamehameha Ave., Hilo, Hawaii; 1318 So. King St.
Donagho, Lila V., 223, 89 (SII Home Economics), 961 Alewa Drive.
Doty, Christine Lamb, 97, 79 (AIII Education), 1628 Poki St.
Downs, Leslie M., 29, 64 (AII Commerce), Goodyear, Conn.; 2314 Armstrong St.
Dowson, George Iso, 23, 18 (SI Agriculture), c/o Dr. C. P. Dowson, Kahului, Maui; Men's Dormitory.
Doyle, Mary E., 63, 30 (98) (AIV Education), 6220 Ellis Ave., Chicago, Illinois; Granville Apts., 1054 So. King St.
Duvauchelle, Louise P., 42, 42 (AII Social Sciences), Pukoo, Molokai; 1513 Evelyn St.
Ebisu, Tsutou, 115, 92 (SIII General Science), Paauilo, Hawaii; 1220 Pensacola St.
Eguchi, George M., 84, 60 (SII Pre-Medical), 460 Kuakini St.
Ellis, Thomas E., 17, 21 (AII Commerce), 2156 Lanihuli Drive.
Eremeef, Vasili S., 222, 112 (25) (SIV Civil Engineering), 2130 Armstrong St.
Fernandez, Edwin K., 252, 121 (AIV Commerce), 2001 Beckley St.
Fernandez, Walters K., 34, 34 (AII Commerce), 2001 Beckley St.
Ferreiro, Lawrence A., 19, 17 (AII Education), Kapa'a, Kauai; 157-F Bates St.
Fiddes, Robert, 34, 48 (SII Sugar Tech., Agric.), Ewa, Oahu.
Field, Edith U. G., 167, 101 (4) (AIV Education), 2535 Liliha St.
Field, Winston, (10) (AII Pre-Legal), 1238 Schofield Barracks.
Fleener, Eva Opal, 201, 99 (AIII Education), Waipahu, Oahu.
Fong, Francis, 22, 11 (SI Agriculture), 918 Sixth Ave.
Forbes, Ada Jean, 27, 17 (AII Education), 1526 Kapiolani St.
Franson, Ethel May, 108, 53 (AII Education), 918 12th Ave.
Fuji, George M., 95, 56 (AII Education), Lawai, Kauai; 1134 3rd Ave.
Fujii, Albert K., (32) (AII Commerce), 544 Kalili St.
Fujii, Isami, 12, 12 (SI Agriculture), 1136 Pua Lane.
Garces, Juan, 0, 4 (25) (SI Pre-Medical), Ilog, Occidental Negros, P. I.; 471 No. School St.
Gay, Venus, 60, 48 (SII Voc. Educ., H. E.), Lanai; 1611 Keeaumoku St.
Giacometti, Luigi G., 8, 11 (SI Sugar Tech., Agric.), Ola'a, Hawaii; Men's Dormitory.
Giles, Alfred O., 117, 61 (SII Civil Engineering), 1048 Kinaiu St.
Gittel, Erna B. H., 37, 17 (AII Education), 711 Prospect St.
Gleason, Bertha P., 94, 78 (4) (AIII Education), Oahu Prison.
Gluud, Grete A., 11, 11 (AII Lang., Lit., and Art), P. O. Box 787, Lihue, Kauai; Girls' Dormitory.
Gomes, Frances M., 13, 13 (AII Education), Hanaapepe, Kauai; 1309 Young St.
Goo, George W. H., 48, 54 (SI Agriculture), 539 No. School St.
Goo, Tin Yau, 8, 15 (SI Agriculture), 539 No. School St.
Goto, Kenji, 153, 117 (AIV Commerce), Capt. Cook, Kona, Hawaii; 1360 Punchbowl St.
Greig, Edith, 140, 91 (SIII Home Economics), 2376 Oahu Ave.
Gurrey, Richard B., 10, 13 (Al Commerce), Black Point, Kahala; c/o Alexander & Baldwin.
Hair, Doris, 236, 123 (SIV Home Economics), Hamakuapoko, Maui; Girls' Dormitory.
Hall, Nancy E., 64, 50 (All Social Sciences), 1605 Liholiho St.
Halpern, Florence, 103, 76 (AIII Education), 2503 Alawai Blvd.
Hamada, Koichi, 23, 19 (SII Civil Engineering), Puunene, Maui; 1496-J Kilohana Place, Emma St.
Hamamoto, Hakumasa, 95, 85 (AIII Commerce), No. 1 Queen St., Opp. Aala Market; P. O. Box 936.
Hamamoto, Yutaka, 79, 78 (AIII Commerce), Kalaheo, Kauai; 610 So. King St.
Harada, Koichi, 91, 91 (AIII Education), 1439 So. King St.
Harpham, William Elmer, 28, 35 (SII General Science), 736 Wyllie St.
Harrison, Margaret, 54, 77 (AIII Social Sciences), 2997 Kalakaua Ave.
Hasegawa, Yoshio, 187, 125 (SIV General Science), 1132 2nd Ave., Kaimuki.
Haughs, Janet M. M., 42, 19 (Al Education), 1445 Young St.
Hawkins, Allen R., 13, 17 (AI Pre-Legal), 12 Dewey Court.
Hawkins, Carolyn F., 69, 55 (66) (AIV Education), 12 Dewey Court.
Hawkins, Frank A., 97, 53 (55) (AIV Social Sciences), 12 Dewey Court.
Hayakawa, Kameju, 61, 51 (AII Education), P. O. Box 73, Paauhau, Hawaii; 1821 So. Beretania St.
Hayashi, Sakai, 0, 8 (Al Education), Hawi, Hoes, Hawaii; 1650 Oolina Lane.
Hayashida, Akiyoshi, 163, 89 (AIII Social Sciences), 1732 Gulick Ave., Kalihi.
Hebert, Luke H., Jr., 44, 41 (SII General Science), Paia, Maui; Pan-Pacific Research Institute, Manoa.
Hee, Wah Ching, 30, 20 (SII Civil Engineering), Hanapépe, Kauai; 1125 Smith St.
Heminger, Murray V., 126, 120 (SIV General Science), Iolani School.
Hendry, Eva, 122, 58 (71) (AIV Education), 3015 Kalakaua Ave.
Hew, Kuê Seu, 81, 52 (AII Social Sciences), P. O. Box 74, Paia, Maui; 1252 So. King St.
Hino, Shunma, 212, 119 (AIV Commerce), Kukuihaele, Hamakua, Hawaii; Mid-Pacific Institute.
Hirashima, T. George, 77, 50 (SII General Science), 320-B Frog Lane.
Hirashima, Tatsumi, 19, 17 (AI Education), Lahaina, Maui; 2746 Kahawai St.
Ho, Kwan Heen, 70, 61 (SII Pre-Medical), 1585 Emma St.
Hockley, Isabel L., 14, 17 (SI Home Economics), 2144 Lanihuli Drive.
Hohu, Martha Poepoe, 31, 28 (All Social Sciences) c/o Bishop Estate.
Holt, Walter W. H., 109, 93 (SIII General Science), 929 20th Ave.,
Kaimuki.
Hong, Tai Hee, 33, 54 (All Pre-Medical), 1520 Fort St.
Honjio, James H., 24, 28 (All Commerce), Kapaa, Kauai; 912 Kawai­
ahao St.
Honke, Akira, 41, 19 (SI Civil Engineering), P. O. Box 60, Waimea,
Kauai; 1757 Fort St.
Horio, Noboru, 32, 19 (SI Civil Engineering), Paia, Maui; 1239 So.
King St.
Hormann, Bernhard L., 267, 127 (AIV Education), 1036 Green St.
Hormann, Helmuth W., 95, 51 (All Education), 1036 Green St.
Horner, Rose Nancy, 32, 16 (AI Education), 3242 Hinano St.; 3029
Lakimau St.
Houston, Iris M., 80, 51 (All Education), Wahiawa, Oahu; Girls’ Dorm-
itory.
Howe, May Cole, 20, 16 (SI General Science), Fort De Russy.
Ikeda, Yoshiko, 18, 15 (AI Social Sciences), 1847 Fort St.
Inaba, Minoru, 58, 51 (All Education), Holualoa, Hawaii; Seaside Hotel.
Inaina, Moses, 48, 45 (All Education), Kaanapali, Lahaina, Maui; 610
So. King St.
Inouye, Kenichi, 18, 16 (AI Education), 3 King’s Place, Beretania St.
Inouye, Kiyoshi, 68, 53 (SII Pre-Medical), 1146 Austin Lane.
Irwin, Ruth Guard, 38, 17 (AI Lang., Lit., and Art), P. O. Box 806, Hilo,
Hawaii; C/o Mrs. P. L. McLane, 2039 Nuuanu Ave.
Ishido, Kinichi, 12, 9 (SI General Science), Lahaina, Maui; 1239 So.
King St.
Ishie, Dean Yoshiokazu, 22, 17 (AI Lang., Lit., and Art), Lihue, Kauai;
1285 River St.
Ishizaki, Misayo, 44, 17 (AI Education), Kekaha, Kauai; 1447 Kewalo
St.
Ito, Kiyoshi, 54, 59 (SII Agriculture), P. O. Box 119, Kapaa, Kauai;
C/o I. Ito, Kahului.
Itoh, Iwao, 87, 89 (SIII General Science), 466 No. King St.
Iwai, Charles K., 197, 123 (AIV Commerce), Upper Manoa Valley; P. O.
Box 752.
Iwamoto, Hideshi, 29, 19 (SI Civil Engineering), Puunene, Maui; 1239
So. King St.
Iwanaga, Isamu, 146, 102 (SIII Agriculture), 1936 Fort St.
Iwasaki, Hisao, 102, 122 (AIII Commerce), 1424 No. School St.
Iwata, Henry Y., 125, 121 (AIV Commerce), 2019 Kealoha St.
Izumi, Katsuyuki, 95, 61 (SII Pre-Medical), Hana, Maui; Mid-Pacific
Institute.
Jacobs, Charles O. (AI Education), Hana, Maui; 1508 Pensacola St.
Jacobson, Roy E., 156, 128 (SIV General Science), 3155 Waialae Rd.
Jain, Sumeru Chandra, 133, 59 (SIV Sugar Tech., Eng.), Arrah Bihar & Orissa, India; Men's Dormitory.
Janssen, Frederick J., 4, 5 (SI Agriculture), Waimanalo, Oahu; 1298 15th Ave.
Jenesen, Pansy Knoll, 93, 39 (SIV Education), 3165 Waialae Road.
Jensen, Jorgen P., 88, 90 (SII Civil Engineering), P. O. Box 95, Kapaa, Kauai; 1671 Kalakaua Ave.
Jensen, Metha, 3, 4 (SI General Science), P. O. Box 95, Kapaa, Kauai; C/o A. S. Bush, Honolulu Iron Works.
Johnston, Charles L. (101) (AIII Commerce, 1204 Kanawha St., Charleston, W. Va.; 2207 Oahu Ave.
Jorgensen, Jorgen J., 26, 17 (SI Agriculture), 1671 Kalakaua Ave.
Judd, Dorothy, 26, 11 (74) (AIII Lang., Lit., and Art), 622 Judd St.
Kaaua, Archibald S., 330, 144 (SIV Civil Engineering), Kamuela, Hawaii; 1910 Fort St.
Kadota, Sumi G., 117, 54 (AII Education), Waialua, Oahu; 1409 Makiki St.
Kaeo, William K., 86, 76 (AIII Pre-Legal), 171 Paakalani Rd., Waikiki.
Kagawa, Miyozo, 24, 18 (SI Pre-Dental), Ahana Lane, Pauoa.
Kagihara, Sadame, 20, 15 (SI Pre-Dental), Ahana Lane, Pauoa; 1471 So. King St.
Kahanamoku, Sam A., 6, 14 (AI Commerce), 1847 Kalia Road.
Kai, Herbert A., 143, 60 (SII Pre-Medical), 406 Haili St., Hilo, Hawaii; Men's Dormitory.
Kai, John, 24, 18 (AI Commerce), 406 Haili St., Hilo, Hawaii; Men's Dormitory.
Kamai, David, 51, 52 (SII Pre-Medical), Hilo, Hawaii; 1117 15th Ave., Kaimuki.
Kamm, Tin Pui, 144, 142 (SIV Sugar Tech., Eng.), 128 So. School St.
Kanai, Lincoln S., 28, 18 (AI Social Sciences), Anahola, Kauai; 1907 Coyne St.
Kaneda, Kazuo, 102, 83 (32) (AIV Social Sciences), Yamaguchi-Ken, Japan; 1826 Cereno St.
Kaneko, Richard, 77, 92 (SIII General Science), Puuwaawaa Ranch, Kamuela, Hawaii; 1474 Fort St.
Karimoto, Clarence K., 274, 128 (AIV Commerce), Kohala, Hawaii; 44-A School St.
Katsunuma, Yasushi, 44, 28 (AII Lang., Lit., and Art), 2304 Metcalf St.
Katsura, Harry H., 21, 20 (SI Agriculture), Paia, Maui; 1239 So. King St.
Kau, Ruth W. T., 138, 86 (AIII Education), 1858 Liliha St.
Kaumeheiwa, Alfred J., 86, 56 (AII Education), Wailuku, Maui; 919 Birch St.
Kawaguchi, Kenichi, 205, 102 (AIII Agriculture), 1234 Nuuau St.
Kawahara, Samuel H., 99, 58 (SII Sugar Tech., Agric.), 1368 Fort St.; Mid-Pacific Institute.
Register of Students

Kawahara, Tomosuke, 60, 61 (SII Civil Engineering), Pahala, Kau, Hawaii; Y.M.B.A. Dormitory, Fort St.
Kawahigashi, Denichi, 23, 29 (SII Pre-Medical), 2259 Hiu St.
Kawamura, Kenichi, 45, 19 (SI Civil Engineering), 1227 Pua Lane.
Kawasaki, Kimiko Pearl, 142, 83 (AII Education), 285 No. Kukui St.
Keala, Samuel L., 170, 137 (SIV Civil Engineering), Waipio, Hawaii; 1337 Fort St.
Kekoa, Albert K., 149, 132 (AIV Commerce), 1751 No. Queen St.
Kido, Hisao, 48, 51 (SII General Science), 8½ miles, Olaa, Hawaii; 516 So. King St.
Kido, Mitsu Yuki, 220, 94 (AII Education), Haiku, Maui; 1710 Fort St.
Kim, Hope, 16, 15 (SI Voc. Educ., H. E.), 9th Ave., Kaimuki
Kimata, Iwao, 83, 54 (SII General Science), Eleele, Kauai; 1882 Lusitana St.
Kimura, Hideo, 33, 17 (AII Education), P. O. Box 340, Waipahu, Oahu.
Kimura, Win, 42, 39 (AII Education), 2463 Manoa Road.
Kinoshita, Robert, 13, 18 (SII General Science), 1281 Fort St.
Kirkpatrick, Mary Rose, 57, 23 (95) (AIV Education), Courtland Hotel.
Kochi, Yutaka, 18, 12 (AII Social Sciences), Kohala Mill, Kohala, Hawaii; Y.M.B.A., Fort St.
*Kodama, George H., 124, 109 (SIV Pre-Medical), Moanalua, Oahu; University of No. Dakota Medical School.
Koga, Likio, 85, 56 (AII Commerce), P. O. Box 43, Pahala, Hawaii; Y.M.B.A. Dormitory, Fort St.
Koike, Clarence S., 110, 100 (SII Civil Engineering), Holualoa, No. Kona, Hawaii; 3 King Place, Beretania St.
Komura, Ruth S., 29, 19 (AII Social Sciences), 134 So. Vineyard St.
Konishi, Owen K., 17, 17 (AI Commerce), 468-E Webb Lane.
Koto, Charles J., 185, 117 (AIV Education), Eleele, Kauai; 1448 Emma St.
Kubo, Bertram S., 4, 8 (SI Pre-Medical), Box 283, Hilo, Hawaii; Y.M.B.A. Dormitory, Fort St.
Kum, Kong Lin, 113, 138 (SIV Agriculture), Waialae.
Kuniyuki, Edwin M., 40, 18 (AI Education), Kaliihiwai, Kauai; 1613 Colburn St.
Kurihara, Thomas, 29, 17 (AI Education), Kahului, Maui; C/o Akira Kuwahara, “Chuogakuen,” Honolulu.
Kurio, Howard H., 153, 134 (SIV Civil Engineering), Lahaina, Maui; 610 So. King St.
Kushi, Edward J., 62, 59 (AII Pre-Medical), Spreckelsville, Maui; 1496-J Emma St.

*To receive degree upon receipt of word of satisfactory completion of first year at Univ. of No. Dakota Medical School.
Register of Students

Lai, Lup, 22, 18 (SI Agriculture), 1552 Liliha St.
Lam, Howard T. F, 48, 41 (SII Pre-Medical), 372 Kukui St.
Lambert, Frederick L., 13, 5 (SI Pre-Dental), 1550-D Karratti Lane.
Lau, Kong Chu, 91, 75 (AIII Commerce), 1720 Homerule St.
Lau, Mun Kwai, 24, 18 (SI Pre-Medical), 1340 Beretania St.
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<thead>
<tr>
<th>Name</th>
<th>Age</th>
<th>Class</th>
<th>Major</th>
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</thead>
<tbody>
<tr>
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<td>35</td>
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<tr>
<td>Wong, Hong Chang</td>
<td>132</td>
<td>112</td>
<td>(AIV Education)</td>
<td>1918 Fort St.</td>
</tr>
<tr>
<td>Wong, James S. F.</td>
<td>74</td>
<td>60</td>
<td>(SII General Science)</td>
<td>Hawi, Kohala, Hawaii; 1908 Coyne St.</td>
</tr>
<tr>
<td>Wong, Margaret A.</td>
<td>20</td>
<td>17</td>
<td>(AI Education)</td>
<td>Lahaina, Maui; 1625 Dole St.</td>
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<tr>
<td>Wong, Margaret S. M.</td>
<td>178</td>
<td>93</td>
<td>(AIII Education)</td>
<td>Hawi, Hawaii; 1908 Coyne St.</td>
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<tr>
<td>Wong, Maria K.</td>
<td>26</td>
<td>13</td>
<td>(AI Education)</td>
<td>1294-A Akoko Lane.</td>
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<tr>
<td>Wong-Leong, Francis, Jr.</td>
<td>54</td>
<td>39</td>
<td>(SI Pre-Medical)</td>
<td>1154 Ala Koa St.</td>
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<tr>
<td>Woodhull, Flora</td>
<td>156</td>
<td>86</td>
<td>(AIII Education)</td>
<td>2112 Damon St.</td>
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<tr>
<td>Wright, Jay Stowell</td>
<td>54</td>
<td>39</td>
<td>(AII Lang., Lit., and Art)</td>
<td>556 10th Ave.</td>
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<tr>
<td>Wright, Martha</td>
<td>8</td>
<td>10</td>
<td>(AI Commerce)</td>
<td>744 Lunainlo St.</td>
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<tr>
<td>Wriston, Arthur J.</td>
<td>104</td>
<td>59</td>
<td>(25½) (AIII Commerce)</td>
<td>451 Main St., Southbridge, Mass.; Men’s Dormitory.</td>
</tr>
<tr>
<td>Yamada, Masao</td>
<td>63</td>
<td>51</td>
<td>(AII Social Sciences)</td>
<td>Makaweli, Kauai; 1496 So. King St.</td>
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<tr>
<td>Yamaguchi, Michio</td>
<td>31</td>
<td>18</td>
<td>(SI Agriculture)</td>
<td>1582-O Phillip St.</td>
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<tr>
<td>Yamamoto, Shuichi</td>
<td>59</td>
<td>48</td>
<td>(AII Commerce)</td>
<td>Spreckelsville, Maui; 79 No. School St.</td>
</tr>
<tr>
<td>Yamano, Harold H.</td>
<td>99</td>
<td>84</td>
<td>(AIII Commerce)</td>
<td>Honaunau, Hawaii; 2755 Ferdinand Ave.</td>
</tr>
</tbody>
</table>
Register of Students

Yamashita, Takeo, 174, 131 (SIV Pre-Medical), 61 So. School St.; 1757 Fort St.
Yamauchi, Masami, 95, 63 (SII Civil Engineering), 1335 Palolo Ave.
Yamauchi, Shoyei, 136, 92 (SIII Pre-Medical), P. O. Box 5, Pauwela, Maui; 1465 Liliha St.
Yanaga, Chitoshi, 170, 102 (AIII Education), Kealakekua, Hawaii; 1448 Emma St.
Yanaga, Oliver K., 11, 17 (AI Social Sciences), Kealakekua, Hawaii; 1448 Emma St.
Yang, Shew Hung, 50, 47 (SII General Science), 1516 Kewalo St.; P. O. Box 2174, Honolulu.
Yap, David T. W., 137, 90 (AIII Social Sciences), 3465 Waialae Road.
Yap, Florence Y. T., 14, 13 (AI Education), P. O. Box 26, Pauwela, Maui; Kawaiahao Building, Manoa.
Yap, Mung Yee, 126, 62 (SII Sugar Tech., Eng.), 1401 Kewalo St.
Yasuda, Hiroshi, 17, 18 (SI Pre-Medical), Kealakekua, Kona, Hawaii; 2207 Oahu Ave.
Yates, Piilani G., 23, 19 (SI Home Economics), Kealakekua, Hawaii; Cluett House, 1319 Emma St.
Yokoyama, Kazumi, 126, 87 (AIII Commerce), P. O. Box 1231, Honolulu.
Yokoyama, Seichi M., 48, 58 (SII Civil Engineering), Lawai, Koloa, Kauai; 1239 So. King St.
Yoshida, Doris K., 24, 16 (AI Education), P. O. Box 1, Kapaa, Kauai; 1308 Young St.
Yoshida, Shigeo, 42, 17 (AI Pre-Legal), P. O. Box 130, Hilo, Hawaii; c/o Pan-Pacific Research Institute.
Yoshinaga, Ernest, 12, 18 (SI Voc. Educ., Agric.), P. O. Box 93, Naalehu, Kau, Hawaii; Box 1238, Imamura Home, Fort St.
Yoshizawa, Susumu, 34, 38 (AIII Commerce), 1952 Young St.
You, Estridge W., 25, 20 (SI Pre-Dental), 1432 Fort St.
Young, Clara, 24, 19 (SI Voc. Educ., H. E.), 16 McGrew Lane, School St.
Young, Eva, 215, 97 (SIII Pre-Medical), 1333 Pensacola St.
Young, Fred Owen, 138, 139 (SIV General Science), 2765 Pacific Heights Road.
Young, Rosalie, 15, 15 (AI Lang., Lit., and Art), 945 Alewa Drive.
Young, Wai Yun, 33, 19 (SII General Science), 1333 Pensacola St.
Yuen, Quan Hong, 198, 94 (SIII General Science), P. O. Box 83, Waipahu, Oahu.
Zane, Arthur, 60, 78 (AIII Commerce), P. O. Box 19, Kohala, Hawaii; 1537 Palolo Ave.
Zane, Fook Kyau, 104, 50 (AI Education), P. O. Box 19, Kohala, Hawaii; 1537 Palolo Ave.

SPECIAL STUDENTS

NOTE:—(S) indicates registration in College of Applied Science, (A) in College of Arts and Sciences.
Register of Students

Abel, Francis E., M.S. (S), 2376 Oahu Avenue.
Ackerland, Leone (A), Roselawn Hotel, King St.
Adams, Minnie Lealoha (A), 1003 Liliha St.
Aiu, Marion K. (A), 2024 Kula Road.
Akina, Grace (A), Kukuihaele, Hawaii; 1920 Lanakila Road.
Ako, Alyce (A), Waimea, Kauai; 148 School St.
Alexander, Ruth E. (A), Apt. 6, Lunalilo Court.
Alter, Ethel (A), 1527 Brownsville Road, Mt. Oliver P. O., Pittsburgh, Pa.; Fernhurst, Honolulu.
Andrus, Myrtle R., A.B. (A), 3430 Pehu St.
Awai, Amy K. (A), Waialua, Oahu; Kaiulani Home, Honolulu.
Axtelle, Margaret (A), 3670 Sierra Ave.
Bain, Anne F. (A), 228 Beach Walk.
Barr, Ernest Scott, A.B. (A), 707 Walker Ave., Greensboro, North Carolina; P. O. Box 1892, Honolulu.
Barrere, Rosalind (S), 2231 Hyde St.
Beers, Sidney Lloyd (A), 1512 Spreckels St.
Bickerton, Agnes C. (A), 2844 Park St.
Bogert, Blanche (S), 2048 Nuuanu Ave.
Bowers, Herbert S., A.B. (A), Beaverdam, Ohio; Central Y.M.C.A.
Bowman, Olympia (A), 1109 9th Ave., Kaimuki.
Breed, Eleanor D., B.A. (A), 4121 Randolph St., San Diego, Calif.; Castle Hall, Punahou.
Brown, Clifford C. (S), Palouse, Wash.; 2065 Lanihuli Drive.
Browne, Minnie Jordan (A), 1428 Whitney St.
Brunner, Frederick C. (S), 1763 Mikihala Way.
Bryant, Frances Louise (A), Waimea, Kauai; 2478 Lower Cleghorn Drive.
Burr, Imogene (S), 1556 Piikoi St.
Campbell, Dorothy (S), 2289 Kamehameha Avenue.
Campbell, Margaret N. (S), 1594 Beretania St.
Centeno, Katie (A), 1460 Luso St.
Chang, Bernice S. C. (A), 1621 Keeauumoku St.
Chang, Grace Liu (A), 335 Seventh Ave., Kaimuki.
Chang, Harry Hon (A), 1917-D Dayton Lane.
Charles, Neva Irene, B.A. (S), Berkeley, Calif.; Mid-Pacific Institute.
Ching, Amy Fook yau (A), 1004 6th Ave., Kaimuki.
Ching, Eunice (S), 1555 Wilder Ave.
Ching, Raymond Hong Chow (A), 77 Kukui Lane.
Chock, Gertrude (A), 36 So. Vineyard St.
Chung, Helen A. K. (A), 2664 Puunui Aue.
Chung, Harry A. (A), P. O. Box 3437, Honolulu.
Chung-Hoon, Marie Elsie (A), 3262 Waialae Road.
Clark, Marjorie F. (S), 2215 Liliha St.
Clarke, Adna G., Jr., B.S. (S), 2125 Armstrong St.
Clarke, Mrs. Adna G. (A), 2125 Armstrong St.
Clissold, Edward LaV. (A), 1122 Kapiolani St.
Cook, Henry A., B.A. (S), 3029 Hibiscus Drive.
Cook, Lenore Neely (A), 3029 Hibiscus Drive.
Cooper, Ida (A), 1817 Wilder Ave.
Cooper, Marguerite F. (A), 1215 8th Ave., Kaimuki.
Copp, Della Zoe, A.B. (A), 2007 Hunnewell St.
Corbaley, Theodore P. (S), Leonard Hotel, cor. Fort and Beretania Sts.
Corn, Anna M. K., A.B. (A), 10th Ave., N. E., Seattle, Wash.; Qrts. 14,
Fort De Russy.
Cox, Charlotte (A), 1138 Hassinger St.
Craig, Lawrence C. (A), Cotopaxi, Colorado; 1108 5th Ave.
Crouch, Helen M. (S), 2215 Helumoa Road.
Crumly, F. Elmer, S.B. (A), 1307-A Streamway Drive.
Crutchfield, Chambers L. (S), 1267 East Manoa Road.
Culbertson, Emma E. (S), 951 Waimanu St.
Cullen, Gretchen B., B.A. (A), 237-B Beach Walk.
Curry, Irma L. (A), Chicago, Ill.; Mid-Pacific Institute.
Davis, Virginia Vea (A), 2129 Kamehameha Ave.
Day, Olive Beatrice (A), Bartow, Florida; 1532 Liholiho St.
Dean, Leora P. (S), 2225 Hyde St.
de la Cruz, Miguel M., Jr. (A), 1455 Ula St.
Dewar, Margaret M., B.A. (S), 2065 Lanihuli Drive.
Dietz, A. Margaret (A), Makiki Heights; P. O. Box 541, Honolulu.
Dutton, Marguerite V., A.B. (A), 5829 McMillan Ave., Detroit, Mich.;
Hanahauoli School.
Ekins, Alma Rosen (A), 2238-C Kalia Road.
Eldredge, Marie H. (A), 25 N. Church St., West Chester, Pa.; 2656 Kaaipu St.
Enges, Evelyn Leslie, B.S. (A), 2033 First Ave., South Minneapolis,
Minn.; Mid-Pacific Institute.
Engle, Mary Ella (A), 902 Kinau St.
Ervin, Walter Evan, Jr. (A), P. O. Box 311, Largo, Florida.
Erwin, Ada B., B.S. (S), 2627 Kaaiu Ave.
Farden, Bernhard Nahonopillani (A), Lahaina, Maui; 1666 Kamamalu Ave.
Farden, Carl A., B.S. (S), Lahaina, Maui; 1945 12 Kalia Road.
Faulconer, Grace (A), 1409 So. Beretania St.
Fennell, Lillian Kuuleialoha (A), 2333 Liloa Rise.
Finn, Lottie, A.B. (A), 1471 Delaware St., Denver, Colorado; Fernhurst, Honolulu.
Fitzgerald, Myrtle R. (A), 2837 Kahawai St.
Freeman, Otis W., M.S. (A), Cheney, Wash.; 1415 Kewalo St.
Fujimoto, Giichi, M.S. (S), 1524 Farrington St.
Fukuda, Stanley N. (A), Onomea, Papaikou, Hawaii; 992 Alewa Drive.
Fuller, Viola Loffer (A), 740 17th Ave., Kaimuki.
Gallet, James Randall (A), 2577 Cartwright Road.
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>Institution/Address</th>
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<tbody>
<tr>
<td>Garrett, John Walter</td>
<td>B.S.</td>
<td>Kamehameha Boys' School</td>
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<tr>
<td>Garrick, Ruby de Esta</td>
<td>B. E.</td>
<td>Webster, So. Dakota; Castle Hall, Punahou</td>
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<td>Gerdes, Joseph John</td>
<td>A.</td>
<td>Men's Dormitory</td>
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<tr>
<td>Goo, Mable</td>
<td>A.B.</td>
<td>1707 Makiki St.</td>
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<td>Gowans, Helen T.</td>
<td>S.</td>
<td>717 15th Ave.</td>
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<tr>
<td>Graham, Katharine B.</td>
<td>A.B.</td>
<td>2646 Oahu Ave.</td>
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<td>Greenwald, Alice E.</td>
<td>S.</td>
<td>1939 Bingham St.</td>
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<tr>
<td>Greer, Edith</td>
<td>A.</td>
<td>Marion, Kansas; Makiki Heights</td>
</tr>
<tr>
<td>Hall, Rosa Elizabeth</td>
<td>A.</td>
<td>Pearl Harbor, Oahu</td>
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<tr>
<td>Hanke, Kate</td>
<td>B.A.</td>
<td>2011 Lanikila Drive</td>
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<tr>
<td>Hanson, Dagmar Camilla</td>
<td>B.A.</td>
<td>1527 Evelyn St.</td>
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<td>Harada, Fumiko</td>
<td>A.</td>
<td>1728 Rocky Hill St.</td>
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<td>Harrison, Mary I. R.</td>
<td>A.</td>
<td>1338 Kapilani St.</td>
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<td>Hasty, Helen E.</td>
<td>A.</td>
<td>Punahou School</td>
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<td>Hatch, Grenville</td>
<td>A.</td>
<td>2466 Kuhio St.</td>
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<td>Henke, Louis A.</td>
<td>M.S.</td>
<td>2657 Terrace Drive</td>
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<td>Hew, Elsie</td>
<td>A.</td>
<td>P. O. Box 38, Waiakoa, Maui; 610 So. King St.</td>
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<td>Hind, Marjorie Capps</td>
<td>A.</td>
<td>Kailua, Hawaii; c/o H. Waterhouse Trust Co.</td>
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<td>Ho, Margaret Wong</td>
<td>A.</td>
<td>613 Ike St., Liliha</td>
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<td>Holmer, Earl Cyril</td>
<td>A.</td>
<td>Forest Lake, Minn.; Lincoln Junior High School, Honolulu</td>
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<td>Holt, James Dunning</td>
<td>A.</td>
<td>1354 Asylum Road</td>
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<td>Hooley, Leigh</td>
<td>A.</td>
<td>2575 Jones St.</td>
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<td>Hoppe, Margaret Watterson</td>
<td>B.A.</td>
<td>Black Point, Kahala</td>
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<td>Horner, John M.</td>
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<td>2423 Nuuanu Ave.</td>
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<td>Huckenstein, Inez Louise</td>
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<td>P. O. Box 2684, Honolulu</td>
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<td>Ing, Ruth</td>
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<td>230 School St.</td>
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<td>Isle, Charles William</td>
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<td>Brunswick, Mo.; Roselawn Hotel</td>
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<td>Jammik, Francis</td>
<td>A.</td>
<td>921 4th Ave., Kaimuki</td>
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<td>Johnson, Mary Louise</td>
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<td>1540 Kalakaua Ave.</td>
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<td>Jones, Dorothy Steltz</td>
<td>A.</td>
<td>2531 Rainbow Drive</td>
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<td>Judd, Louise Luquionis</td>
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<td>1828 Vancouver Highway</td>
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<td>Kaaha, John K.</td>
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<td>Batchelor Hotel, Nuuanu St.</td>
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<td>Kahananui, Dorothy M.</td>
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<td>1939 Ahuula St.</td>
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<td>Kamper, Margaret Dunn</td>
<td>A.B.</td>
<td>Black Point, Kahala</td>
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<td>Katagiri, Masatoshi</td>
<td>B.A.</td>
<td>79 N. School St.; Nuuanu Y.M.C.A.</td>
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<td>Kawachi, Kensuke</td>
<td>A.B.</td>
<td>Kealakekua, Kona, Hawaii; Nuuanu Y.M.C.A.</td>
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<tr>
<td>Kay, Ann Cooke</td>
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<td>Old Pali Road</td>
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<td>Kellogg, Eleanor A.</td>
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<td>2656 Kaipaupu St.</td>
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<td>Kenworthy, Beatrice G.</td>
<td>A.</td>
<td>Stevensville, Md.; 927 Prospect St.</td>
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<td>Keyes, Edward Clarence</td>
<td>A.</td>
<td>6869 N. 31st Ave., Omaha, Nebraska; 1621 Keeaumoku St.</td>
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<td>Keys, Elizabeth</td>
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<td>Glade Spring, Va.; Young Hotel</td>
</tr>
</tbody>
</table>
Kim, John (A), 310 Magellan Ave.
Kim, Mary (A), 364 No. King St.
Kimura, Susumu (A), 17 Kemacho, Yotsuye, Tokio; 1921 Kalikau Road, Waikiki.
King, Frances Ayers (A), 1527 Makiki St.
Kinnear, Katharine Adams, B.A. (A), 1527 Makiki St.
Kinney, Patricia Constance (A), 117 Uluniu St.
Kluegel, May Thurston (A), 1507 Alexander St.
Kulaniakea, Mabel (A), Hana, Maui; 1416 McCandless Lane.
Kumada, Gisuke (S), 921 Punahou St.
Kuwahara, Akira (A), Hiroshima, Japan; 1444 Nuuanu St.
Kuwamoto, Kitaro (S), 3148 Charles St.
Kydd, Elsa M. E. (A), Pearl City, Oahu.
Lane, Mary Ann Carey (A), 1803 No. Queen-St., Kalihi.
Langpaap, Max, B. L. (A), 3557 Kaimuki Ave.
Leaf, Emily Brown (A), 150 Schofield Barracks.
Lee, Ethel (A), 1027 No. School St.
Lee, Violet Wongwai (A), 1863-H Makawae Lane.
Leong, Rosalie K. Y. (A), 1338 Young St.
Lewers, William H. (A), 3001 Nuuanu Ave.
Lindeman, Agnes Josephine (A), 2060 Vancouver Highway.
Lindsey, Angelina E. (A), Lahaina, Maui; 1336 Lunalilo St.
Linn, Merle W. (A), Apt. 6, Edgewater Beach Apts.
Lint, Lalah (A), 10 Dewey Court.
Long, Roy L. (A), Ellisville, Miss.; 1840 Anapuni St.
Loomis, Charles F., A.B. (A), 2375 Oahu Ave.
Lowrie, Robert H. (S), Kamehameha Schools.
Lucas, Meda (A), Ashland, Kansas; Fernhurst, Honolulu.
Luiz, John C. (A), Kaneohe, Oahu.
Lum, Chong (A), 3614 Waialae Road.
Lum, Robert Kwock Hop (A), 20 Waikahalulu Lane.
Lyon, Maude Fletcher, A.B. (A), 1328 Matlock Ave.
Macconel, Margaret K. (S), 2365 Oahu Ave.
Mahony, Marcella (A), Punahou Schools.
Marques, Josephine (A), 2312 Liloa Rise.
McCallister, Nina B. (S), 1589 Thurston Ave.
McDonough, James Richard (A), 401 Albion St., Edgerton, Wisconsin; 1040 Beretania St.
McGerrow, Samuel V. (S), Puunene, Maui; 1560 Miller St.
McGowan, Mae Alice (A), 553 7th Ave., Kaimuki.
McKeon, Erna Purcell (A), Ewa, Oahu; Kamehameha Boys’ Prep. School.
McLane, Mabelita Karen (A), 2039 Nuuanu Ave.
McNamara, Mary G. (S), 2577 Parker St.
McVeagh, Rebecca Cochrane, M.A. (A), P. O. Box 2319, Honolulu.
McRedy, Frances (A), 2248 Kalia Road.
Müller, Carey D., M.S. (S), 2627 Kaaipu Ave.
Moe, Mabel Lane (A), Tonasket, Wash.; Kamehameha Schools.
Moe, Kilmer O. (A), Kamehameha Schools.
Moodie, Ruth (A), Paia, Maui; Fernhurst, Honolulu.
Morita, Dorothea Yae (A), 1021 Kama Lane.
Moriwaki, Toshie (A), Honokaa, Hawaii; Y.M.B.A. Dormitory, Honolulu.
Morris, Ople Mae (A), 2160 Aulii St.
Moss, Ruth L. (A), 210 Fourth St., Idaho Falls, Idaho; 25 Ocean View Court.
Mossman, Rebecca K. (A), 1350 Miller Lane.
Neill, Bessie Baldwin (A), 1829 Makiki St.
Nobriga, Francis J. (A), 1317 Makiki St.
Ogata, Tomi (A), Waima, Kauai; 148 S. School St.
Olson, Edna Caroline (A), 236 S. 5th, Pocatello, Idaho; Makiki Hotel.
Osmondson, Mildred V., Ph.B. (S), Box 724, Hilo, Hawaii.
Otremba, Frances M. (A), 2659 Oahu Ave.
Otremba, Hedwig S. (S), 2659 Oahu Ave.
Pearce, Mrs. Gladys Akina (A), 1319 Emma St.
Pearson, Marion G. (A), Glasgow, Scotland; 2839 Oahu Ave.
Phillips, Edith M. (S), 1825 Makiki St.
Piutti, Gertrude Elizabeth (A), 1630 Clark St.
Podmore, Glenna (A), 2303 Seaview Ave.
Pope, Della B. (S), U. S. Experiment Station, Honolulu.
Pratt, Dora B., A.B. (S), 2049 Nuuanu Ave.
Raadén, Aagot, B.A. (A), Territorial Normal School.
Reed, Eva Darling (A), 315 Saratoga Road.
Reid, Alice Cameron (A), 2629 Kamehameha Ave.
Reierson, Alice F. (S), Box 3051, Honolulu.
Reis, Palmyra (A), Spencer St.
Remick, Grace Ingalls (A), 2450 Kubio Ave.
Richmond, Ethal, B.A. (A), 243 Saratoga Road.
Riese, Bernhardt Louis, M. D. (A), Chicago, Illinois; 3111 Diamond Head Road.
Riess-Vasquez, Alma Estelle (A), Pleasant Hotel.
Rogers, George Dewey (S), Hawaiian Ordnance Depot.
Ross, Irma (S), 561 Middlefield Road, Palo Alto, Calif.; 1625 Clarke St.
Ross, Ruth Davis (A), 2002-A Hunnewell St.
Rugh, Dwight, A.B. (A), 2511 East Manca Road.
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Samaniego, Clara (A), 120 Kealohilani Ave.
Sasaki, Yoshinobu (A), Iwakuni, Yamaguchi-ken, Japan; 1445 Young St.
Schonhard, Helen (A), El Cerrito, Calif.; 2 Dewey Court.
Schultz, Madge Bucher (A), Fort Shafter.
Scobie, Bessie (A), Makiki Hotel.
Seamster, Billie (S), 1201 N. 8th St., St. Joseph, Missouri; Ewa, Oahu.
Senior, Edna H., B.B.A. (S), 232 Lewers Road.
Sharp, Grace M. (A), c/o F. L. Waldron, Vancouver Highway.
Shaw, Ruth C., B.S. (A), 2121 McKinley St.
Siegle, La Vyna Eulalie (A), Belt, Montana; Pacific Heights Drivc.
Slade, Mildred Eleanor (A), Punahou Campus.
Smith, Gail (A), Elwood, Nebraska; 1260 Kinau St.
Smith, Harold C. (S), 3755 Mauna Loa Ave.
Soares, Ricardo A. (A), 421 Wyllie St.
Sousa, Esther F. (A), 1377 Lusitana St.
Spitzer, Selma (A), 2001 Vancouver Highway.
Stafford, Francis Eugene (A), 1037 3rd Ave.
Stepp, Ida Johanna (A), 810 Green St.
Stokes, John F. G. (A), 2447-A Parker St.
Thatcher, Herbert B. (S), 2370 Beach Walk.
Thompson, Robert R. (S), 3828 Pahoa Ave.
Tokimasa, David H., B.S. (S), Heeia, Oahu; 610 So. King St.
Tong, Rudy F., B.S. (S), 1013 Poha Lane.
Toomey, Samuel K. (A), 959 12th Ave.; Kapalama St.
Travis, Ruth (A), 838 10th Ave., Kaimuki.
Tyree, Jessie Partlon (A), Cincinnati, Ohio; 2226 Hyde St.
Ure, Olivia L., B.S. (A), 1718 Rocky Hill St.
Vida, Edythe A. (A), 1007 7th Ave., Kaimuki.
Votaw, Roy C., A.B. (A), Whittier, Calif.; 610 So. King St.
Warner, Bernice, B.S. (A), 511 No. Grove Ave., Oak Park, Ill.; 56 Wyllie St.
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Waterhouse, Ernest Burton Leigh (S), 130½ Coelho Lane, Nuuanu Valley.
Weaver, Galen R., A.B. (A), 1907 Coyne Ave.
Webling, Gustav H. (A), 1932 Bingham St.
Webster, Marion (S), 1836 Punahou St.
Whitney, Lehr A. (S), 2116 Aulo St.
Whittle, William (S), 1435 Fort St.
Wiccox, Eleanor Kilani (A), 1319 Emma St.
Wilson, Gladys Evelyn (A), Fort Kamehameha.
Woods, Ida (A), Los Angeles, Calif.; 2065 Lanihuli Drive.
Wright, Nellie G. (S), 744 Lunalilo St.
Yap, Mollie Makaahilani (A), 1646 Liholiho St.
Yee, Emma (A), Kuliouou, Oahu; 18 No. King St.
Young, Eleanor Tsark, (A), 3133 Waialae Road.
### Summary of Students

#### SUMMARY OF STUDENTS

**CANDIDATES FOR DEGREES**

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**Total Candidates for Degrees** 588

**NOT CANDIDATES FOR DEGREES**

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#### EXTENSION DIVISION STUDENTS

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Enrolled in Regular University Courses and in Extension Division Courses, deduct 52

**TOTAL ENROLLMENT** 1059

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QUARTERLY BULLETIN

In 1921 the University of Hawaii commenced the publication of the "Quarterly Bulletin," to be issued four times a year, in October, January, April and August. This catalog is the second number of Volume VI. A bibliographical list of Vols. I to IV appeared in the preceding catalog. The subsequent numbers are as follows:

Vol. V., No. 1—Catalogue and Announcement of Courses, 1926-1927; May, 1926.
Vol. V., No. 2—Register of Officers and Students, 1926-1927; October, 1926.
Vol. V., No. 3—Not printed; error in numbering.
Vol. VI., No. 1—Ninth Annual Report of the Department of Agriculture, July 1, 1925-June 30, 1926; January, 1927

OCCASIONAL PAPERS

Under this general title, the University publishes research papers at occasional intervals. Four have been issued to date.

No. 3—The Composition of Some Chinese Foods (Contribution from the Household Science Department). March 10, 1925.
No. 4—The Development of Chinese Culture—a Synoptic Chart and Bibliography, by Shao Chang Lee. September 30, 1926.
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