1955 SUMMER SESSION  June 22 - August 2

UNIVERSITY OF HAWAII • HONOLULU
Every university has an area which receives special emphasis. At the University of Hawaii such area has been predetermined by geographic and economic considerations. Hawaii is located midway between East and West, at the center of a web of shipping lanes, air lines, and communication channels which are symbolic of cultural ties with the countries bordering the Pacific. Added to the native Hawaiian population are the descendants of Asian and Caucasian peoples from many countries.

The University is alert to the importance of East-West intercultural exchange, and feels it is in a position to make significant contributions in the area. This special field of interest is reflected in the Summer Session course offerings relating to the political, economic, and social institutions of the Far East, and the culture of Polynesia. The University faculty includes resident and visiting authorities in these areas.

Among other subjects dictated by our geographical location are marine biology, tropical agriculture, and work in painting, ceramics, and textiles which emphasize Hawaiian and Pacific design.

Study at the University is enriched by close association with such institutions as the Pacific and Asian Affairs Council, the Bernice P. Bishop Museum, and the Honolulu Academy of Art, which are deeply concerned with the political relations, the anthropology, and the art of the Pacific and the Orient.

Each year an increasing number of students has become aware of the opportunities offered by summer study for college credit at the University of Hawaii, together with enjoyment of scenic spots throughout the Islands, such as Oahu's Waikiki, Kilauea Volcano on Hawaii, Maui's crater of Haleakala, and Waimea Canyon on Kauai. This combination of travel, study, and recreation is briefly summarized in a ten-minute, 16 mm., sound and color film, Sun, Surf, and Study, which is available in Honolulu and throughout the continental United States.
Twenty-ninth Annual
SUMMER SESSION
HONOLULU AND HILO
1955

CALENDAR

Regular Session

June 22, Wednesday ............................. Registration
June 23, Thursday ............................... Classes begin
August 2, Tuesday ............................... Regular session ends

Postsession

August 8, Monday ............................... Registration
August 9, Tuesday ............................... Classes begin
August 26, Friday ............................... Postsession ends

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HEMENWAY HALL, campus center for organized student activities, accommodates 1,000 persons. University students make use of the building's facilities, services, and social, cultural, and recreational programs.
SUMMER SESSION
1955

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Assistant Professor of Government
MARY DILLINGHAM FREAR HALL, residence for women, accommodates 144 students. The Hall and one of its attractively furnished lounges are shown above.
GENERAL INFORMATION

The University of Hawaii is situated in Manoa Valley, Honolulu. It is three miles from the main business section of the city and two miles from Waikiki Beach.

The University, established in 1907, is a land-grant college accredited by the Western College Association with the same relationship to the Territory as state universities bear to their states. The University has an enrollment of approximately 5,000 and a faculty and administrative staff of 500. Last year's summer session enrollment was 3,714, of which 851 came from the mainland United States.

The University is gaining increasing importance as a center for East-West cultural studies.

SUMMER SESSION HOUSING. Frear Hall, new residence for women, accommodates 144 students, and is available for regular summer session housing. Each attractively furnished room has a sweeping view of the mountains or the sea. All rooms are double. Hale Laulima, a small dormitory with 14 single and two double rooms, will be available to graduate students. To be eligible for either dormitory, a student must register for at least three hours of credit. Courses audited will not meet this requirement. Only Hale Laulima will be available during the Postsession. Application for residence should be addressed to the Director of Student Residences, 126 Administration Building, University of Hawaii, Honolulu 14, Hawaii.

Comfortable accommodations are available for men in Atherton House, which is adjacent to the campus and owned and operated by the YMCA. For information, write to the Director, Charles Atherton House, 1810 University Avenue, Honolulu 14, Hawaii.

The snack bar in Frear Hall serves dinner every evening except Sunday, and breakfast every morning. Meals are not served at Atherton House, but both dormitories are within easy walking distance of the University cafeteria, which serves reasonably priced breakfasts and lunches Monday through Saturday. Also, there are restaurants nearby.

Rooms in the University vicinity are obtainable during the summer months, as are studio and one-bedroom apartments in the Waikiki Beach area. The University Office of Student Personnel maintains a list of available living accommodations and will assist students upon arrival. Rooms and apartments must be negotiated for directly with the landlord, and no deposits will be accepted by the Student Personnel Office. Minimum rents are $35 a month for a room and $85 a month for a one-bedroom or a studio apartment. However, a student should be prepared to pay more as housing accommodations are in great demand during the summer period. Arrangements should be made to stay in one of the Honolulu hotels for a few days after arriving in Honolulu. For a complete list of Honolulu hotels, prices, and accommodations, write directly to the Hawaii Visitors Bureau, 2051 Kalakaua Avenue, Honolulu, Hawaii.
TRANSPORTATION. Hawaii is served by Pan American World Airways, United Air Lines, Northwest Airlines Inc., and British Commonwealth Pacific Airlines, Ltd. Round-trip fare on any of the regular flights from San Francisco, Los Angeles, and Seattle is $302.40 plus tax. Round-trip tourist fare on regular scheduled carriers is $250 plus tax, or $125 plus tax one way. Transocean Air Lines operates non-schedule flights with round-trip fare at $218 plus tax or $109 plus tax one way.

Steamship service is provided by Matson Navigation Company and American President Lines, Ltd. Minimum steamer fares are $145 plus tax one way.

Study tours organized by mainland tourist agencies are brought to the Islands each summer. The names of such agencies may be obtained by addressing your inquiries to the Director of the Summer Session, University of Hawaii, Honolulu 14, Hawaii.

The University is located on a bus line to the center of town, with connecting lines to Waikiki. During the period of the summer session, bus lines operate directly from the University to the Waikiki district.

The outer islands are easily reached by interisland airlines which offer daily flights.

PART-TIME EMPLOYMENT OPPORTUNITIES. Persons planning to attend the summer session are advised that there are no opportunities for part-time employment during the summer period.

CULTURAL OPPORTUNITIES. Museums, temples, theatres, restaurants, and parks offer a wide range of programs featuring our multiplicity of ethnic groups. A particular feature of the summer season is the series of Bon dances offered by members of the Buddhist community in commemoration of the dead.

Trips around Oahu or to the outer islands give the student a view of sugar and pineapple plantation operations as well as an introduction to the tropical beauty of Hawaii.

SPECIAL FEATURES

WORKSHOP COURSES. Six workshop-type courses are offered during the summer period in the fields of Education and Physical Education. These workshops are intended primarily for teachers, but other qualified persons will be permitted to enroll. In general, the Education workshops include: (1) Individual study under guidance and direction; (2) organized group work; (3) periodic conferences with the workshop leader; and (4) general meetings of the workshop group. Persons who do not desire academic credit may be admitted in limited numbers at the discretion of the workshop leader. See Education S 292(8), S 292(9), S 292(10), S 292(11), S 292(12) and Health and Physical Education S 292(1).

STUDENT ACTIVITIES. Lecture series, play, tours, dance, and other social, cultural, and recreational events will be sponsored by the University as part of the summer session program. An activity fee of $1.00 will be charged all students registered in the summer session to finance the program. This entitles students to attend the social events, the summer session lecture series, the summer session
play, and at least one of the special activities; for example, the Pearl Harbor tours and visits to sugar and pineapple plantations.

There will be no program of activities in the Postsession. Consequently, the $1.00 fee will not be charged.

THEATRE PRODUCTION. The Department of Drama and Theatre will offer a Summer Theatre production during the fifth week of the session. Backstage work is also open to all summer students, but those with a special interest in staging, lighting, costumes, or properties should see course S 200 under the Department of Drama and Theatre.

REGISTRATION. Regular registration will take place Wednesday, June 22. Students whose last names begin with the letters P to Z, inclusive, will register at 8:00 A.M.; K to O, inclusive, at 9:30 A.M.; and A to J, inclusive, at 11:00 A.M. Students may obtain registration materials at the Gymnasium at these times. Students registering for Education S 218, and Education S 292(13) only may register on the morning of July 13. Registration for the Postsession will take place on Monday, August 8.

Experience in past summer sessions indicates that, except in beginning ceramics and weaving, ample space will be available for all students desiring to register in summer session courses.

Classes will start June 23 and end August 2, unless otherwise noted in the course descriptions. Graduates of accredited colleges or universities, or students in good standing at any such institutions, will be admitted upon presentation, at the time of registration, of evidence of graduation. Entering freshmen should apply to the Office of the Director of Admissions not later than June 1.

The University of Hawaii is authorized to enroll veterans under Public Laws 346 and 550. Students should bring with them their Certificate of Eligibility and Entitlement.

LATE REGISTRATION. During the first two days following registration for the regular session, students may register in courses with the consent of the dean of the college; up to and including June 28, students may register in courses with the consent of the dean of the college and the instructor. Effective Wednesday, June 29, students may register only as auditors with the consent of the dean of the college and the instructor.

No late registration for the Postsession is permitted after August 10, except as auditors.

STUDENT PROGRAMS. Student programs in the regular summer session are ordinarily limited to six credit hours. However, in exceptional cases, seven credit hours may be carried by a student in good standing who obtains the consent of the dean of his college. Eight credit hours may be carried only by a student who by taking that number of hours can complete bachelor's degree or certificate requirements at the end of the summer session.

During the Postsession, student programs are limited to four credit hours.

TUITION AND FEES. All fees are payable at the time of registration. A tuition fee of $8.00 per credit hour will be charged all persons who register for
courses, either for credit or as auditors. In certain courses, laboratory or other fees will be charged; these fees are stated in course descriptions.

A penalty fee of $1.00 will be charged any student who registers more than one calendar day later than the announced day of registration. A student will be charged $2.00 for any change in registration. Such a change must have the approval of the dean of the college in which the student is registered.

A student in good standing who voluntarily withdraws from the regular summer session may obtain a 100 per cent refund until 4:00 P.M., Tuesday, June 28, and 50 per cent thereafter until 4:00 P.M., Friday, July 1. After that time no refunds will be made.

During the Postsession, a student may obtain a full refund until 4:00 P.M., Wednesday, August 10, and 50 per cent thereafter until 4:00 P.M., Friday, August 12.

HILO SUMMER SESSION

For the past several years, the University of Hawaii has offered a limited number of courses carrying residence credit at the University of Hawaii Hilo Branch. The courses that will be offered during the 1955 Summer Session are listed on page 24. All rules and regulations with respect to registration, student programs, tuition, and fees set forth above apply to the Hilo Session.
COURSES OFFERED

Courses numbered 100 to 199 are lower division courses, intended primarily for freshmen and sophomores. Those numbered 200 to 299 are upper division courses, intended primarily for juniors and seniors, but open to graduate students. Courses numbered 300 and higher are primarily for graduate students.

The number of semester credit hours carried by each course is listed in parentheses immediately after the title of the course.

A schedule stating the time and place of meeting of all courses may be obtained from the Registrar’s Office. Detailed information as to registration procedure will be given in this time schedule.

All courses listed below will be offered on the University campus in Honolulu, unless otherwise indicated.

REGULAR SESSION — HONOLULU CAMPUS

AGRICULTURE

S 272 LANDSCAPE DESIGN. (3) Mr. Claflin
This course is designed to develop an understanding of the basic principles of landscape design. Emphasis will be given to the selection and use of tropical plants in the landscape plan and to the propagation and care of plants commonly used in landscaping. Field trips will be made to observe good landscape practice.

ANTHROPOLOGY

S 150 INTRODUCTION TO STUDY OF MAN. (3) Miss Luomala
An introduction to the changing cultures and physical characteristics of non-literate peoples, as an aid to better understanding of current problems in human relations.

S 251 THE POLYNESIANS AND THEIR CULTURE. (2) Miss Luomala
A study of indigenous peoples in Hawaii, Samoa, Tahiti, New Zealand, and other Polynesian areas. Their way of life and historical relationships to each other.

ART

S 140 ART APPRECIATION. (3) Mr. Turnbull
A course designed to give insight into the nature of artistic expression and its relationship to contemporary life, including industrial and commercial forms as well as the fine arts. Lectures, demonstrations, and museum visits. Course fee $1.00.

S 142 ART FUNDAMENTALS. (2) Mr. Cox
Background material and studio practice to stimulate understanding of the arts. Lectures, museum visits, and studio work. Studio fee $1.00.
S 150  **DESIGN.** (2) Mr. Turnbull
Elements of design and composition; study of line, mass, pattern, color, and texture. Lectures and studio problems. For Art majors and others interested in practice of the space arts. This course, or the equivalent in experience, is prerequisite to all advanced study. Studio fee $1.00.

S 157  **DRAWING AND PAINTING.** (2) Miss Lee and Mr. Cox
(3 sections)
A course for beginners and students of moderate advancement. Considerations of representation, composition, and control of medium. Studio and outdoor subject matter. Course fee $1.00.

S 160  **BEGINNING CERAMICS.** (2) Mr. Horan and Mrs. McVay
(3 sections)
Building pottery forms by hand; ceramic sculpture and decorative techniques. Lectures and studio work. Studio fee $10.00 to cover materials and firing costs.

S 161  **ADVANCED CERAMICS.** (2) Mr. Horan
Continuation of 160. Emphasis on wheel throwing of pottery, and further work in field of student's choice. Introductory study of glazes and operation of kilns. Lectures and studio work. Studio fee $10.00 to cover materials and firing costs.

S 176  **BEGINNING WEAVING.** (2) Miss H. Robinson
Introduction to the creative processes of weaving. Lectures, experimentation, and practical design experience. The making and using of simple hand looms as well as a study of the multiple harness loom. Class limited to available number of looms. Studio fee $7.50 to cover cost of materials used.

S 255  **MODERN ART AND ITS ORIGINS.** (2) Mr. Blanch
Discussion and analysis of inspiration, theory, and practice in the arts, integrating earlier expressions with modern forms. Illustrated lectures, museum visits. Course fee $2.00.

S 276  **ADVANCED WEAVING.** (2) Miss H. Robinson
Warping and threading of two- and four-harness looms. Study of pattern drafting and the uses of color and texture. Class limited to available number of looms. Studio fee $10.00 to cover cost of materials used.

S 280  **ADVANCED PAINTING.** (2) Mr. Blanch
Study of pictorial organization in painting. Criticism of student's work with individuals and groups. Prerequisite: Art 180-181 (one year of painting), or equivalent experience.

**BACTERIOLOGY**

S 151  **GENERAL BACTERIOLOGY.** (4) Mr. Chu
The physiology, cultivation, and differentiation of bacteria, with emphasis upon fundamentals. Lectures and laboratory periods. Prerequisite: General Botany, Zoology, or Biology and General Chemistry. Laboratory fee $6.00.

**BOTANY**

S 105  **ECONOMIC PLANTS OF HAWAII AND POLYNESIA.** (2) Mr. St. John
The cultivated and wild plants used in ancient and modern times by the Hawaiians and Polynesians. Nature of these economic plants and their use for food, drink, fabric, dye, medicine, and utensils.
S 160 FLOWER AND TREE IDENTIFICATION. (2) Mr. St. John
A nontechnical course in the identification of the common cultivated plants and weeds of the Territory.

BUSINESS

S 240 PRINCIPLES OF INSURANCE. (2) Mr. Fischer
The uses of insurance in business, as protection against fire, theft, transportation risks, legal liability, and dishonesty and failure of others. Also forms of life and disability insurance.

S 242 GROUP INSURANCE. (2) Mr. Fischer
Plans devised to protect employees in business and industry and their families against the monetary problems connected with sudden death, temporary and permanent disability, and old age. Consideration of group insurance in connection with workmen's compensation, social security plans, and co-operative medical and hospital plans.

S 265 CORPORATION FINANCE. (2) Mr. Froman
Determination of capital requirements; sources and devices used to procure capital; marketing securities; control of capital disbursements; credit and income. Prerequisite: Business 151; credit or concurrent registration in Economics 256.

S 266 INVESTMENTS AND INVESTMENT BANKING. (2) Mr. Froman
Economic theory and tests of investment; investment credit analysis; mathematics of investment; tools of investment; types of investment institutions and their functioning. Prerequisite: Business 151; Economics 256.

S 282 BUSINESS STATISTICS. (2) Mr. Ige
A study of statistical techniques and their application to business and economics. Sources of data, tabulation, charting, averages, dispersion, sampling, index numbers, analysis of time series, and correlation. Prerequisite: Economics 150-151.

DRAMA AND THEATRE

S 200 THEATRE PRACTICE. (2) Mr. Caro
Supervised work in the arts and crafts of the theatre, principally in staging, lighting, properties, and costumes. The student will spend a minimum of eight hours weekly in the theatre; some reading, and a final report. Co-ordinated with a summer school production.

S 285 ADVANCED DRAMATIC PRODUCTION. (2) Mr. Caro
The play from conception to performance, with illustrations drawn principally from professional practices in this country and abroad.

ECONOMICS

S 140 INTRODUCTION TO ECONOMICS. (3) Mr. Mark
A descriptive analysis of basic economic institutions and a study of the elementary principles underlying consumption, production, exchange, and distribution. Not open to majors in Economics and Business or to other students who have had an introductory course in economics under a different title.
S 256 MONEY AND BANKING. (2) Mr. Mark
Nature and history of money and of banking; characteristics of credit; monetary system of the United States; monetary standards; value of money; relation of money and credit to prices; banking system of the United States, including commercial banks, trust companies, savings banks, and related savings institutions.

S 281 LABOR PROBLEMS. (2) Mr. Ige
A study of wages, hours, working conditions, employment, superannuation, substandard workers, and other important problems common to all labor. Special attention to an analysis of the fundamental factors affecting wage levels.

EDUCATION

S 212 CURRICULUM ANALYSIS IN INDUSTRIAL ARTS. (2) Mr. Feirer
A survey of teachable content in the Industrial Arts field; technical skill and related information on the Industrial Arts level. June 22 to July 12.

S 218 TECHNIQUES OF INDUSTRIAL ARTS TEACHING. (2) Mr. Feirer
A continuation of Education S 212. Prerequisite: Education 212 or experience judged by the instructor to be equivalent. July 13 to August 2.

S 227 SCIENCE TEACHING, ELEMENTARY. (2) Mr. Weber
Organization of science instruction in the elementary grades; development and utilization of subject matter in relation to children's experiences; integration of science in social studies, arithmetic, hygiene, language, etc. Not open to students who have credit in Education 240, Social Studies and Science, Elementary (since September, 1953) or Education 241, Science and Mathematics, Elementary (earlier than 1953-54).

S 236 BASIC SKILLS, PRESCHOOL PRIMARY. (2) Miss Reddin
Materials and procedures for teaching language arts and arithmetic to children three to seven. Prerequisite: credit or concurrent registration in Education 283-284, or equivalent.

S 239 SCIENCE, PRESCHOOL PRIMARY. (2) Miss Reddin
The procedures and materials used in teaching natural, physical, and social sciences appropriate to young children. Prerequisite: credit or concurrent registration in Education 283-284.

S 258 MATERIALS AND METHODS OF INSTRUCTION. (3) Mr. Weber
Materials and methods of teaching the language arts (reading, writing, speaking), arithmetic, social studies, and science in grades two to six. Credit applies toward teacher's certificate, but not toward Ed.B.; may not be taken for credit by persons who already have credit in Education 240, 241, and 243.

S 261 TESTS AND MEASUREMENTS. (3) Mr. Brownell
Theory and techniques of evaluation in education; practice in the use of testing devices. Laboratory fee $1.00.

S 280 PRINCIPLES OF ELEMENTARY EDUCATION. (4) Mrs. Sueoka
A survey of the principles of elementary education for teachers with less than professional certification. Credit applies toward certificate, but not toward Ed.B.; may not be taken for credit by persons who have credit in Education 285-286.
S 288  **Mathematics in the Upper Grades and Intermediate School.** (2)  
Mr. Brownell

The sequence of arithmetic learnings subsequent to mastery of the fundamental 
processes; concepts and applications; "general mathematics" courses; the place of 
arithmetic in other intermediate school courses.

S 292 (8) **Workshop in Aviation Education.** (6)  
Mr. Spaulding

Basic principles of aviation; the impact of air transportation on contemporary 
life; classroom instruction on the University campus, laboratory and observation 
at Honolulu International Airport, Hickam Field, Pearl Harbor and maintenance 
shops; orientation flights; (group transportation will be provided without cost for 
field trips and off campus sessions); preparation of curriculum materials for use on 
all grade levels.

S 292 (9) **Workshop in Social Studies.** (5)  Mr. Husbands

Preparation of social studies and materials—study guides, resource units, illustrative 
materials, tests, etc.—with emphasis on materials suitable for grades 4 through 
8. This workshop will be co-ordinated with activity in the DPI curriculum division, 
directed toward the publication early in 1956 of a new *Curriculum Guide in Social 
Studies in the Upper Grades*, and worth-while material produced in the workshop may 
be incorporated into this publication.

S 292 (10) **Workshop in Language Arts.** (5)  
Miss Smith

Intensive work on the techniques of reading instruction and the development of 
sequential reading skills, with emphasis on problems met in grades 4 through 12; 
motivation; development and extension of reading interests; selection of reading 
materials for different interests and levels of ability; improvement of vocabulary; 
development of facility in oral and written expression; creative expression as a 
means to personal growth.

S 292 (11) **Workshop in Intergroup Relations.** (5)  
Miss Taba

A study of the human relations problems in schools, colleges, community organiza-
tions, and governmental bodies. Special attention will be given tested methods, 
techniques of institutional and community analyses, research, and practical pro-
grams. Elementary, intermediate, and high school teaching for better intergroup 
relations will be emphasized.

S 292 (12) **Workshop in Problems of Mental Retardation.** (2)  

Intensive review of the medical, psychological, social and educational aspects 
of mental retardation; definition of the problem; identification; diagnosis and prog-
nosis; the retarded child in relation to family, governmental and voluntary institu-

S 292 (13) **Workshop in Teaching of Mentally Retarded Children.** (3)  

Application of material covered in Education S 292 (12) to teaching situations; 
home teaching by parents and visiting teacher and social worker; problem of training 
the retarded child; individual and class instruction in schools; integration of re-
tarded children into phases of normal school activity from which they can profit. 
Prerequisite: Education S 292 (12). July 13–August 2.
S 324 THE FEDERAL GOVERNMENT AND EDUCATION. (3) Mr. Harris

History of federal participation in public education; survey of programs receiving federal support; nature of various federal support programs; role of U. S. Office of Education and its relations to other federal bureaus and departments; analysis of major proposals for federal aid to state school systems, and of arguments for and against these proposals.

S 325 ADMINISTRATION AND SUPERVISION OF VOCATIONAL EDUCATION. (2) Mr. Feirer

The place of vocational education in the school curriculum; relation of vocational to "general" education; problems in the administration of vocational programs; budgeting and administering special funds; federal reimbursement and federal standards; improvement of instruction; shops, equipment, and materials as teaching aids. For principals, vice principals, prospective principals, and vocational teachers.

S 326 ADMINISTRATION OF THE SECONDARY SCHOOL. (2) Mr. Harris

The major problems in the organization and administration of the modern intermediate and senior high schools; curriculum improvement, schedule making, pupil and staff personnel, school plant, business and finance, public relations.

S 327 ADMINISTRATION OF THE ELEMENTARY SCHOOL. (2) Mr. Grim

The major problems of the modern elementary school principal; curriculum improvement, program making, reports to parents, pupil and staff personnel, school plant, business and finance, community relations, special problems of the small school.

S 337 EDUCATIONAL DIAGNOSIS. (2) Mr. Dvorak

Interpretation of test results and curriculum planning to meet the needs revealed. Prerequisite: Education 261 or equivalent.

S 340 PHILOSOPHY OF EDUCATION. (3) Mr. Clopton

Philosophy and science in education; social, psychological, and ethical considerations essential to the development of a philosophy of education; implications of philosophical viewpoints for policy in education.

S 350 HISTORY OF EDUCATION. (2) Mr. Clopton

Survey of the history of educational thought and practice as a basis for the study of modern school problems.

S 362 ORGANIZATION AND ADMINISTRATION OF GUIDANCE. (2) Mr. Beyers

The organization and administration of guidance, as a part of student personnel services, so as to contribute most effectively to the school program, with special reference to the role of the administrator. Prerequisite: Psychology 254 or 257.

S 380 RESEARCH AND THESIS WRITING. (3) Mr. Dvorak

Research techniques and thesis development; designed to assist students in thesis preparation. Prerequisite: Education 340; Psychology 351.

S 390 PUBLIC SCHOOL ORGANIZATION. (2) Mr. Grim

The function of the teacher in school administration; state and territorial organization for administrative control of public education; rights and duties of teachers under Hawaiian school law and DPI regulations; retirement system; teachers' organizations; financing public education.
S 392 (8) **ADVANCED WORKSHOP IN AVIATION EDUCATION.** (6) Mr. Spaulding
Preparation of curriculum guides and instructional materials dealing with the impact of the air age on contemporary life; similar to S 292 (8) but on an advanced level. Prerequisite: credit in a workshop in aviation education in an accredited university.

**ENGINEERING**

S CE 227 **ROUTE SURVEYING.** (3) Mr. Daniel, Mr. Chiu, and Mr. Evans
Principally field work; base lines, triangulation, curves, earthwork, grades, reconnaissance, preliminary surveys, route location, and design. Prerequisite: Civil Engineering 102. Laboratory fee $2.00.

S CE 251 **STATICS.** (3) Mr. Avery
Stresses in joint structures; effect of forces on bodies at rest. Prerequisite: one semester of Physics 104.

**ENGLISH**

S 101 **COMPOSITION.** (3) Mr. Lowers and Mr. Fujimura
Principles and practice of composition. For all students qualifying in entrance examinations.

S 101C **COMPOSITION.** (3) Mr.Abrums and Mr. Huntsberry
Principles and practice of composition. Second semester's work.

S 150C **INTRODUCTION TO ENGLISH LITERATURE.** (3) Mr. Korn
A survey of English literature from the eighteenth to the twentieth century. Prerequisite: first semester's work.

S 208 **INTRODUCTION TO POETRY.** (2) Mr. Korn
An analytical study of selected English and American poems of the past and present, emphasizing problems of communication, the poet's adaptation of his means to his ends, and the relation of the various aspects of a poem to each other.

S 262 **FIVE MAJOR AMERICAN NOVELISTS.** (2) Mr. Edel
A study of Hawthorne, Melville, James, Dreiser, and Faulkner, with special emphasis on their contribution to the development of the American novel.

S 263 **LITERATURE OF THE PACIFIC.** (3) Mr. Stroven
A survey of the literature of the Pacific Islands and Australia: narratives of voyagers and travelers, translations of native folk literature, and short stories and novels by such writers as Melville, Stevenson, London, Becke, and Nordoff and Hall.

S 279 **THE TRAGIC FORM IN DRAMA.** (2) Mr. Lowers
A study of the nature of tragedy, as it appears in plays to be read (in English) from the time of the Greek dramatists to the present.

S 281 **LITERATURE OF THE RESTORATION.** (2) Mr. Fujimura
A study of the principal English writers from 1660 to 1700.

S 309 **SEMINAR IN ENGLISH AND AMERICAN LITERATURE.** (2) Mr. Edel
The psychological novel from 1900 to 1950: a study of the novel of subjectivity—Dorothy Richardson, James Joyce, Virginia Woolf, William Faulkner—with special emphasis on its symbolist character and the techniques devised for rendering the "atmosphere of the mind." Prerequisite: graduate standing.
GEOGRAPHY

S 252  GEOGRAPHY OF NORTH AMERICA. (2)  Mr. L. White
Regional geography of the United States and Canada; geographic aspects of the historic and economic development of the continent and of contemporary problems. Course fee $1.00.

S 263  GEOGRAPHY OF THE PACIFIC ISLANDS. (2)  Mr. L. White
Polynesia (except Hawaii), Melanesia, and Micronesia. Course fee $1.00.

GOVERNMENT

S 150  INTRODUCTION TO GOVERNMENT. (3)  Mr. Posey
The role of government in modern society. Types and practices of government: American and European. The processes of political change and integration. The rights of and channels of participation by the citizen.

S 260  INTERNATIONAL RELATIONS. (2)  Mr. Godshall
A study of the factors which condition the foreign policy of states: nationalism, imperialism, and power politics. Outstanding problems of world politics.

S 262  GOVERNMENT AND POLITICS OF THE FAR EAST. (2)  Mr. Stauffer
An analysis of the governmental structure of Japan, China, Korea, and the colonial areas; a survey of the political problems facing the nations of the Far East.

S 263  INTERNATIONAL RELATIONS OF THE FAR EAST. (2)  Mr. Godshall
The position of eastern Asia in the postwar world and the problems of adjustment that face Japan, China, and other nations of this region.

S 266  THE USSR AND SATELLITES. (2)  Mr. Stauffer
Analysis of the structure of political power in the Soviet Union and in the Soviet empire.

S 282  INTRODUCTION TO PUBLIC ADMINISTRATION. (2)  Mr. Posey
Relationship of administration to policy-forming agencies; organization of administrative staffs; centralization of responsibility.

HEALTH AND PHYSICAL EDUCATION

S 110  SWIMMING FOR BEGINNERS. (1)  Mr. Sakamoto
(2 sections)
Open only to those who cannot swim at least 50 yards. Emphasis will be placed upon the development of the proper movements, breathing, and co-ordination necessary in the basic skills of swimming. Activities and locker fee $3.00.

S 112  ADVANCED SWIMMING. (1)  Mr. Sakamoto
(2 sections)
For students who have met the basic requirements in swimming and desire to develop additional skills in swimming and diving. Activities and locker fee $3.00.

S 124  DANCES OF HAWAII. (1)  Mrs. Sharpe
(8 sections)
This course is designed to acquaint the student with the background and fundamentals of the hula. Selected dances will be taught, with and without instruments. Activities and locker fee $3.00.
S 276 CURRENT TRENDS IN HAWAII'S HEALTH. (4) Miss Bucklin
An analysis of the health situation and the approach and function of various health agencies in the Territory dealing with specific problems. Primarily for teachers and school administrators.

S 292 (1) WORKSHOP IN PHYSICAL EDUCATION—SECONDARY LEVEL. (4) Mr. Esslinger
Study and analysis of secondary school physical education including philosophy, principles, organization, administration, problems, and teaching procedures.

HISTORY

S 110 INTRODUCTION TO AMERICAN HISTORY. (3) Mr. Rowland
The religious, cultural, and social backgrounds of the American people.

S 214 HISTORY OF SOVIET RUSSIA. (2) Mr. Karpovich
A political, economic, social, and cultural study of Russia since the Bolshevik Revolution.

S 217 INTELLECTUAL HISTORY OF MODERN RUSSIA. (2) Mr. Karpovich
A study of main trends of Russian political and social thought from the 18th century to the Revolution, with particular reference to such problems as Russia and the West, the cultural elite and the popular masses, art and society, reform and revolution.

S 221 BRITISH EMPIRE—COMMONWEALTH SINCE 1918. (2) Mr. Murphy
Major trends in the development of the Empire to the present day. Consideration of present problems of the Commonwealth and Colonies.

S 246 AMERICAN THOUGHT AND CULTURE. (2) Mr. Rowland
An advanced course in American social customs, institutions, and intellectual pursuits.

S 277 THE PACIFIC REGION IN MODERN TIMES. (2) Mr. Murphy
First contact of East and West; discovery and exploration; activities of traders and missionaries; development of European and American interests; origin of current problems.

S 280 HISTORY OF THE PHILIPPINES. (2) Mr. Zafra
General survey of the cultural and political background of the Philippines from earliest times through World War II.

S 281 THE PHILIPPINES SINCE INDEPENDENCE. (2) Mr. Zafra
A study of the progress and problems of the Philippines since achieving independence on July 4, 1946.

HOME ECONOMICS

S HS 110 FOODS OF THE PACIFIC. (2) Miss Murai
Designed to acquaint the student with the cookery, food habits, and customs of the nations bordering on the Pacific and represented in Hawaii. Chinese, Filipino, Hawaiian, Japanese, and Korean foods will be prepared and served in laboratory. Trips to canning factories, food markets, restaurants, and a sugar refinery will be arranged. Two lecture periods and two laboratory periods. Laboratory fee $10.00.
SHE 291 HOME MANAGEMENT HOUSE LABORATORY. (4) Miss Henderson
Living with a group of students in a supervised house for six weeks; practical
application of training in home economics; meal preparation, time and money
management, human relationships. Students share subsistence cost. Prerequisite:
senior standing.

MATHEMATICS

S 150 PLANE TRIGONOMETRY. (3) Mr. Clark
Prerequisite: two years of high school algebra; one year of plane geometry.

S 151 COLLEGE ALGEBRA. (3) Mr. Clark and Miss Davis
(2 sections)
Prerequisite: two years of high school algebra; one year of plane geometry.

S 152 PLANE ANALYTICAL GEOMETRY. (3) Miss Davis
Prerequisite: Mathematics 150; credit or concurrent registration in Mathematics
151.

S 153 DIFFERENTIAL CALCULUS. (3) Mr. Townes
(2 sections)
Prerequisite: Mathematics 152.

MUSIC

S 110 MUSIC APPRECIATION. (2) Mr. Gauggel
An introduction to music from the listener's point of view, with concentration
on orchestral literature from the classical through the modern period. Emphasis on
listening to recorded music. Course fee $2.00.

S 140 RECREATIONAL MUSIC. (2) Mr. Rian
Stress on skills necessary for leaders of recreational activities: methods, materials,
and organization of recreational activities for the home, the school, the church, and
the community, including experience on Hawaiian instruments.

S 150 ELEMENTARY MUSICIANSHIP. (2) Mr. Rian
The elements of musicianship covering terminology, notation, sight singing,
and rhythmic and melodic dictation. A basic course for all prospective teachers.
May be required of music majors who lack experience and training.

S 159 INSTRUMENTAL MUSIC. (2) Mr. Gauggel
Intended for students preparing to teach instrumental music. Designed to give
a basic knowledge of the instruments of the band and orchestra. String instruments
only.

S 209 UNIVERSITY CHORUS. (1) Miss Badger
This course is designed to cover methods and choral materials for intermediate
and senior high schools.

S 251 MUSIC FOR THE LOWER ELEMENTARY GRADES (1, 2, 3). (2)
Mrs. Kahananui
Organization and direction of music in childhood experience. A survey of
materials and procedures. Prerequisite: Music 150.

S 252 MUSIC FOR THE UPPER ELEMENTARY GRADES (4, 5, 6). (2)
Mrs. Kahananui
Organization and direction of music in childhood experience. A survey of
materials and procedures. Prerequisite: Music 150.
APPLIED MUSIC

S 101 CLASS INSTRUCTION. (1) Mr. Rian and Miss Badger
(2 sections)
Class instruction in voice and piano. Two lessons per week (one hour each). Practice facilities in Music Building on campus. Course fee $20.00.
S 105, S 149, S 169, S 249, S 269, S 349 INDIVIDUAL INSTRUCTIONS. (1) Staff
Individual instruction in voice, piano, organ, woodwinds, brass, and percussion at freshman, sophomore, junior, senior, and graduate levels. Course number assigned after auditions with Music Department staff members. Fifteen lessons during the period. Practice facilities in Music Building on campus. Course fee $45.00.

NURSING

S 102 NURSING ARTS. (2) Mrs. S. Robinson
Introduction to the comprehensive care of the hospitalized patient. Nutritional, postural, emotional, and health education needs of patients and the performance of nursing functions to meet these needs. Practice in simple nursing care situations in hospitals, homes, and institutions. 6 weeks.
S 200 PSYCHIATRIC NURSING. (8)
Study of the causes, manifestations, treatment, and nursing needs of the mentally ill. Consideration of psychological factors in other types of illness and the close relationship between mental and physical factors. Supervised practice in the nursing care of persons with mental illness. 10 weeks.
S 210 TUBERCULOSIS NURSING. (8) Mrs. Camara
The study of tuberculosis as a communicable disease and methods of prevention, early detection, treatment, patient education, nursing care, and rehabilitation. Practice in comprehensive care of patients, including out-patient and home follow-up. 8 weeks.
S 290 FIELD WORK IN PUBLIC HEALTH NURSING. (8) Mrs. Scott and Staff
Instruction and guided experience in home visiting for bedside and instructive care, in school health work, in maternal and child health conferences, and in chest and other clinics. Open only to qualified public health nursing students. 8 weeks.

PHILOSOPHY

S 100 INTRODUCTION TO PHILOSOPHY. (3) Mr. McCarthy
The problems, methods, and fields of philosophy.
S 240 PHILOSOPHY IN LITERATURE. (2) Mr. McCarthy
Literary expression of philosophical ideas. Consideration of such writers as Bernanos, Camus, Goethe, Hemingway, Kafka, Sartre, and T. S. Eliot.

PHOTOGRAPHY

S 100 PRINCIPLES OF PHOTOGRAPHY. (2) Mr. Smouse
The science of photography. The camera, its construction and use; image formation; lenses, their characteristics and aberrations; shutters; film construction and use, both color and black and white; choice of film; filters and their use; processing
of films; printing by contact and projection. Lectures; demonstrations. Students are required to have a camera. Course fee $1.00.

**PSYCHOLOGY**

S 150 General Psychology. (4) Mr. Digman

A survey of the facts and principles fundamental to human behavior and experience. Individual differences, personality, motivation, emotion, sensation, perception, learning, and thinking. Lecture and laboratory. Laboratory fee $1.00.

S 185 Psychology of Infancy and Childhood. (2) Mr. Crowell

Principles basic to the normal development of the infant and child; emphasis upon physical, emotional, intellectual, and social development.

S 186 Psychology of Adolescence and Maturity. (2) Mr. Crowell

Developmental characteristics during preadolescent, adolescent, and adult years; emphasis upon physical, emotional, intellectual, and social factors and changes.

S 254 Principles of Guidance. (3) Mr. Beyers

Psychological bases; methods and scope of educational, vocational, and personal guidance. Prerequisite: Psychology 260 and 264.

S 260 Statistical Techniques. (3) Mr. B. White

Use of statistical techniques in psychological problems: measures of central tendency and variability; graphic methods; zero order correlation; reliability of measures; tests of significance.

S 272 Psychology of Learning. (2) Mr. Rockwell

A study of the major conditions influencing learning and forgetting; the role of motivation, rewards, and practice; theoretical interpretations of the learning process.

S 292 Mental Hygiene. (2) Mr. Arkoff

Conditions requisite to mental health and satisfactory social adjustment; causes and means of preventing maladjustments and neuroses.

S 295 Abnormal Psychology. (3) Mr. MacKinnon

The nature and causes of psychoneuroses and psychoses; abnormalities of intelligence; incipient abnormal traits manifested in everyday life; psychotherapy.

S 351 Advanced Educational Psychology. (3) Mr. Rockwell

Application of experimental evidence in psychology to major educational problems; the bearing of recent psychological theories upon education.

S 383 Seminar in Personality Assessment and Research. (2) Mr. MacKinnon

Current theory and progress in research on personality. Recent methods of personality assessment.

**SOCIAL WORK**

S 200 The Field of Social Work. (2) Mrs. Handley

A nonprofessional orientation course intended to acquaint the student with the philosophy, scope, and aims of social work. Prerequisite: junior standing.
SOCILOGY

S 151 INTRODUCTION TO THE STUDY OF SOCIETY. (3) Mr. Davis
An orientation course. The basic social relationships and the corresponding social structures.

S 258 RACE RELATIONS. (2) Mr. Brooks
The sociological significance of race and race relations; typical situations and processes; conflict and accommodations; caste; race prejudice; miscegenation; effects of race relations upon personality.

S 265 CRIMINOLOGY. (2) Mr. Brooks
The nature, causes, and treatment of crime with special attention to criminal prosecution and prison administration.

S 267 THE FAMILY. (2) Mr. Cheng
The family as a universal institution; human nature and the family; changing structure and functions in the Orient and Occident; courtship and marriage in the immigrant family.

S 270 POPULATION AND SOCIETY. (2) Mr. Davis
Society analyzed in terms of the quantitative and qualitative aspects of population. Sociological aspects of birth and death rates, natural increase, and mobility.

S 277 PEOPLES AND INSTITUTIONS OF CHINA. (2) Mr. Cheng
An analysis of Chinese social philosophies and their influence on basic institutions and traits of the people. The nature and effect of the impact of western culture.

SPEECH

S 100 FUNDAMENTALS OF SPEECH. (1) Mr. Fox
A general introduction to speech as social control. Information concerning speech and speech production; discussion of standards of acceptable student practice in speech performance. Conferences required. Course fee $1.00.

S 102 DEVELOPMENT OF ORAL SKILL. (1) Mr. Fox
Effective use of speech sounds and rhythms in practical speaking situations. Idiom and grammar. Concentration on individual problems, using modern laboratory equipment. Conferences required. Course fee $2.00.

S 150 PUBLIC ADDRESS. (2) Mr. Linn
Basic principles of speech composition and delivery; preparation and delivery of speeches with attention to principles studied; special attention to individual problems.

S 265 SPEECH FOR THE CLASSROOM TEACHER. (2) Mr. Aly and Mr. Newcomer
The teacher's total speech behavior in the teaching situation. Integration of speech improvement techniques and procedures with all classroom activities, emphasizing speech problems in Hawaii.

S 310 SEMINAR IN RESEARCH METHODS. (2) Mr. Aly
Reading and student problems for familiarity with bibliographies, research methods, and analysis and reporting of data.
ZOOLGY AND ENTOMOLOGY

S 191  ELEMENTARY HUMAN ANATOMY AND PHYSIOLOGY.  (3)  Mr. van Weel
A general survey of the gross anatomy and physiology of the human body. Lecture-demonstration periods. Laboratory fee $3.00. Not open to students who have had Zoology 291.

S 192  ELEMENTARY HUMAN ANATOMY AND PHYSIOLOGY LABORATORY.  (1)  Mr. van Weel
Required of students in the School of Nursing registered in S 191. Laboratory fee $5.00.

REGULAR SESSION — HILO BRANCH

EDUCATION S 261  TESTS AND MEASUREMENTS.  (3)  Mr. Forbes
Theory and techniques of evaluation in education; practice in the use of testing devices. Laboratory fee $1.00.

EDUCATION S 287  AUDIO-VISUAL EDUCATION.  (3)  Mr. Gustafson
Theory, preparation, and use on all school levels of sensory aids to learning. Laboratory fee $3.00.

EDUCATION S 292  WORKSHOP IN TEACHING ARITHMETIC.  (5)  Mrs. St. Denis
Establishing arithmetic concepts on all levels of the school; developing facility in computation based on understanding of the fundamental processes; the language of arithmetic; use of diagnostic tests; arithmetic for accelerated and retarded pupils; means for relating arithmetic to pupils' other experiences.

EDUCATION S 332  CLINICAL PROCEDURES IN READING.  (2)  Mr. Forbes
Diagnosis and improvement of individual reading problems in elementary and secondary schools with special attention to severely retarded readers. Prerequisite: Education 294.

EDUCATION S 390  PUBLIC SCHOOL ORGANIZATION.  (2)  Mr. Gustafson
The function of the teacher in school administration; state and territorial organization for administrative control of public education; rights and duties of teachers under Hawaiian school law and DPI regulations; retirement system; teachers' organizations; financing public education.

ENGLISH S 101  COMPOSITION 1ST SEM.  (3)  Mr. Teevan
Principles and practice of composition.

HISTORY S 110  INTRODUCTION TO AMERICAN HISTORY.  (3)  Mr. Inouye
The religious, cultural, and social backgrounds of the American people.

HPE S 124  DANCES OF HAWAII.  (1)  Mrs. Kuamoo
This course is designed to acquaint the student with the background and fundamentals of the hula. Selected dances will be taught, with and without instruments. Activities and locker fee $3.00.
SPEECH S 100  FUNDAMENTALS OF SPEECH. (1)  Mr. Teevan
A general introduction to speech as social control. Information concerning speech and speech production; discussion of standards of acceptable student practice in speech performance.

SPEECH S 250  GROUP LEADERSHIP. (2)  Mr. Hoshor
Principles and techniques of effective group leadership, with special consideration of the semantic and psychological barriers to communication in group situations. Practice in applying the principles of group dynamics through socio-drama, etc.

SPEECH S 265  SPEECH FOR THE CLASSROOM TEACHER. (2)  Mr. Hoshor
The teacher's total speech behavior in the teaching situation. Integration of speech improvement techniques and procedures with all classroom activities, emphasizing speech problems in Hawaii.

CHEMISTRY BUILDING has modern scientific laboratories, and lecture halls that serve as classrooms for University departments. Many evening University-community programs are held here.
POSTSESSION

HONOLULU CAMPUS

EDUCATION PS 350  HISTORY OF EDUCATION.  (2)  Mr. Beyers
Survey of the history of educational thought and practice as a basis for the study of modern school problems.

PSYCHOLOGY PS 272  PSYCHOLOGY OF LEARNING.  (3)  Mr. Bitner
A study of the major conditions influencing learning and forgetting; the role of motivation, rewards, and practice; theoretical interpretations of the learning process.

ZOOLOGY PS 201  LIFE IN THE SEA.  (2)  Mr. Banner
A nontechnical account of life in the sea, with special emphasis on Hawaiian sea life as instructional aids in the schools. Movies and frequent field trips to the coral reef and on oceanographic vessels acquaint the student with all aspects of ocean life.

HILO BRANCH

EDUCATION PS 340  PHILOSOPHY OF EDUCATION.  (3)  Mr. Clopton
Philosophy and science in education; social, psychological, and ethical considerations essential to the development of a philosophy of education; implications of philosophical viewpoints for policy in education.
HAW All HALL, the first permanent building on the University campus, housed administrative offices until 1949.
Aerial view of University of Hawaii campus.