UNIVERSITY OF HAWAII
SUMMER SESSION
1959 CATALOGUE
CALENDAR

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Regular Session (six weeks)
- June 22, Monday
- June 23, Tuesday
- July 31, Friday
- Registration
- Classes begin
- Regular session ends

Postsession (three weeks)
- July 31, Friday and August 3, Monday
- August 3, Monday
- August 21, Friday
- Registration
- Classes begin
- Postsession ends

First Five-Week Term (Business S 150, Chemistry S 103, French S 100, French S 101, German S 100, German S 102, History S 100, Japanese S 100, Japanese S 101, Spanish S 100)
- June 22, Monday
- June 23, Tuesday
- July 24, Friday
- Registration
- Classes begin
- First term ends

Second Five-Week Term (Business S 151, Chemistry S 103C, French S 100C, French S 101C, German S 100C, German S 102C, History S 100C, Japanese S 100C, Japanese S 101C, Spanish S 100C)
- July 27, Monday
- July 28, Tuesday
- August 28, Friday
- Registration
- Classes begin
- Second term ends

Cover: The sun-like shapes are silhouettes of a unique Hawaiian tapa pattern believed to represent the purple sea urchin.
Thirty-third Annual
SUMMER SESSION
University of Hawaii
1959

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The University's Manoa campus (boxed area of photograph) has the Koolau Mountains as a backdrop. To the left, beyond camera range, is Honolulu's business center. Waikiki is shown in the foreground. Hawaii's well-known landmark, Diamond Head, is just out of sight to the right.
SUMMER SESSION
1959

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General Information

THE UNIVERSITY OF HAWAII is located in Honolulu, on the island of Oahu. It is three miles from the business center and two miles from Waikiki Beach. Manoa Valley, where the University is situated, is one of the most picturesque sections of the city. The University's landholdings total some 710 acres.

Established by the territorial legislature in 1907, the University bears the same relation to the Territory as state universities do to their states. It is a federal land-grant institution, sharing in benefits from the Second Morrill Act of 1890, the Nelson Amendment of 1907, and subsequent legislation. Major divisions of the University include the Graduate School, the College of Arts and Sciences, the College of Applied Science, the College of Education, the College of Business Administration, the College of Agriculture, which includes the Hawaii Agricultural Experiment Station and the Agricultural Extension Service, the College of General Studies, and the Summer Session.

In addition to the bachelor's degree, the University offers graduate work leading to the master's degree in animal science, anthropology, art, bacteriology, botany, business administration, chemistry, drama and theatre, economics, education, English, entomology, Far East studies, genetics, geography, government, history, mathematics, nutrition, Pacific Islands studies, philosophy, physics, psychology, social work, sociology, soil science, speech, tropical crop science, and zoology; and to the Ph.D. degree in botany, chemistry, entomology, genetics, psychology, soil science, and zoology. There are about 500 instructional faculty members and many staff members engaged in full-time research.

The University of Hawaii is accredited by the Western College Association. Its classes are open to all academically qualified men and women, regardless of race, nationality, or religion. Its students may transfer to other American universities and to foreign universities on the same basis as students of other accredited American universities. It has chapters of the national honor societies Phi Beta Kappa, Phi Kappa Phi, Sigma Xi, Omicron Delta Kappa, and Delta Sigma Rho.

Besides an academic year of two 18-week semesters, the University has a 6-week summer session. In addition, there are two successive 5-week terms in the summer, during which a number of freshman and sophomore year courses are taught, and a 3-week postsession.

Library and Research Facilities

GREGG M. SINCLAIR LIBRARY. The University Library, named after Dr. Gregg M. Sinclair, president emeritus, is a beautiful new building of modern design. It contains 280,000 bound volumes and about 700,000 unbound pieces; and it subscribes to 4,280 current periodicals and other continuations. The well-lighted reading rooms provide study facilities for 950 students at a time. To make the books conveniently accessible, the stacks are adjacent to reading areas and are open to all students. Besides a well-rounded general collection, there are the following spe-
cial collections: Government Publications, Teachers College Collection, Maps and Microfilm, the Oriental Collection, and the Hawaiian Collection. The reference and general reading room, where expert reference service is available to students as well as faculty, contains about 5,000 reference books and the current numbers of 1,500 periodicals and mainland newspapers. The Library is exceptionally strong in materials relating to the Far East and to the Pacific Ocean area.

HUMAN RELATIONS AREA FILES. This collection is the product of an organization, supported by 16 major universities, which systematically places basic information on various societies of the world in files maintained at each member institution. Each file in this unique collection, located in the University Library, contains facts about a people or region that are judged to be of value to students of human behavior, social life, and culture.

INDUSTRIAL RELATIONS CENTER. The Center, located in Hawaii Hall on the campus, seeks to promote a sound understanding of labor management problems in the community. It provides for public use a library and reference service of materials relating to labor management and relations; offers both credit and noncredit courses in the field of industrial relations; promotes lectures, conferences, and discussion groups; and conducts research on basic industrial relations problems.

ROMANZO ADAMS SOCIAL RESEARCH LABORATORY. The laboratory, located in Crawford Hall on the campus, is staffed by members of the Sociology Department, and is concerned primarily with sociological studies relative to the peoples of Hawaii. It has one of the best collections of materials available anywhere in the field of race relations.

PSYCHOLOGICAL RESEARCH CENTER. The Center performs basic and applied research on problems involving the scientific approach to human behavior. It serves as a research and informational agency to which business, industry, labor, government, and others may bring psychological problems.

COOPERATING INSTITUTIONS. The Pacific and Asian Affairs Council has an excellent library on world affairs, located in Pacific House, adjacent to the University. The Bernice P. Bishop Museum and the Honolulu Academy of Arts have superb collections and research facilities available to University students. The three foregoing institutions offer special memberships to students. Also in Honolulu are: the Library of Hawaii, a general public library; the Hawaiian Mission Children's Library, with material on missionary activities in the Pacific; the Public Archives, emphasizing Hawaiian history; and scientific libraries of the Hawaiian Sugar Planters' Association, the Pineapple Research Institute, and the Pacific Oceanic Fishery Investigations.

UNIVERSITY LABORATORY SCHOOLS. Demonstration classes are conducted in the Teachers College laboratory schools in connection with summer session offerings for teachers. In order to insure a rich experience for the children enrolled, conditions are made as nearly ideal as possible, with small classes, selected children, and a strong supervising staff assisted by specialists in art, health, library science, physical education, music, speech, and drama.
ADMISSION. Persons wishing to take courses for credit must present satisfactory evidence of ability to do university work. Graduate and undergraduate students in good standing at colleges or universities other than the University of Hawaii may submit either a transcript of their college records or a special printed form properly filled out by the Registrar or Dean of their institution. Copies of this form may be obtained from the office of the Dean of Summer Session. One is enclosed with each Summer Session catalog sent to a person outside Hawaii. High school graduates who have been granted admission by an accredited college or university may submit the aforementioned form. Others entering college for the first time should write to the Director of Admissions of the University of Hawaii for information as to entrance examinations and other procedures. This should be done as early as possible. Teachers in service may have the aforementioned form signed by their superintendent or comparable supervising official.

AUDITORS. Mature persons who wish to attend certain classes regularly, without taking examinations or receiving grades or credit, may do so by registering as auditors and paying the regular tuition fees charged for the courses in which they desire to enroll. A student may be both a credit student and an auditor but the total hours involved must not exceed the maximum program allowed students. Auditors are not allowed to participate in class discussions or recitations or to use laboratory or studio equipment and materials. They are not subject to late registration fees. For the schedule of refunds, see Refunds.

VISITORS' TICKETS. Since the summer session provides an opportunity to hear classroom lectures given by many distinguished professors in various fields, Visitors' Tickets are available to mature persons who wish to visit different, unspecified lecture classes without examination or credit. These tickets may be obtained upon payment of $40.00 and with the approval of the Dean of Summer Session. The Visitor's Ticket must be shown upon demand and entitles the bearer...
to attend any classroom lecture if there is an available seat. Visitors are not to participate in classroom discussions or recitations or examinations, or to use laboratory or studio equipment and materials. A visitor's ticket may be cancelled, without refund, if these conditions are violated.

VETERANS. The University of Hawaii is authorized to enroll veterans under Public Laws 16, 346, 550, 634 and 894. Students registering for the first time under these Laws should bring with them either their Certificate of Eligibility and Entitlement, or their Certificate for Education and Training.

SCHEDULE CHANGES. The University reserves the right to make changes in faculty assignments and in time schedules, to cancel any course that does not draw adequate registration, and to set maximum limits for enrollment in certain classes. A final mimeographed schedule noting changes made after the publication of this catalog will be available at registration time.

STUDENT PROGRAMS. Undergraduate students in the six-week summer session are ordinarily limited to a maximum program of six credit hours. However, in exceptional cases, seven credit hours may be carried by a student provided he obtains the consent of either the dean of his college or the Dean of Summer Session. Eight credit hours may be carried only by a student who needs that number of credits to complete his requirements for a bachelor's degree or a certificate at the end of the summer session. The approval of a college dean or of the Dean of Summer Session is required. During the postsession, student programs are limited to four credit hours. The foregoing limitations apply to all student programs, including work taken concurrently in the College of General Studies.

Undergraduate students are urged to consult the chairman of their major department prior to registration time, if possible, for advice as to which courses to take in summer. Faculty advisers will also be available on registration day, June 22, as noted in the registration instructions that will be issued to students on that day.

Students taking the intensive five-week courses in language, chemistry, history, and business are advised not to register for more than one or two additional credits without first consulting their instructors.

Graduate students may carry seven credits during the six-week session. The approval of the Dean of the Graduate School is necessary for any heavier course load. Graduate students are urged to consult the office of the Dean of the Graduate School as to courses that will be accepted for graduate credit. This should be done before June 22 if possible. The Graduate School Bulletin lists courses acceptable for graduate credit.

REGISTRATION. Registration for the six-week summer session and the first five-week term will take place on Monday, June 22, between 8:00 A.M. and 4:00 P.M. Students are to report to the Chemistry Building where they will be issued registration materials according to the following time schedule: those whose last names begin with the letters T through Z at or after 8:00 A.M.; A through G, at or after 9:30 A.M.; H through L, at or after 11:00 A.M.; and M through S, at or after 1:00 P.M.

Registration procedures will be detailed in printed instructions distributed to students at the Chemistry Building. After finally submitting all requisite forms and
cards to the Records Office in Bachman Hall on Monday, June 22, students may either wait for their fee slips and pay their fees at the Business Office on the same day or come back to do so on the following day. If fees are not paid by these students before 4:00 P.M. on Tuesday, June 23, however, the late registration fee of $5.00 will be assessed. (See Tuition and Fees.)

Students registering for the second five-week term will be issued the requisite materials at the Records Office in Bachman Hall between 8:00 A.M. and 12 noon on Monday, July 27, without alphabetical time schedules.

Students registering for the three-week postsession will start attending classes on Monday, August 3. They may register at any time between 8:00 A.M. and 4:00 P.M. on that day or on the preceding Friday, July 31.

LATE REGISTRATION. On June 23 and June 24, students may register for six-week and five-week courses only with the consent of the appropriate dean; on June 25 and 26, registration will be permitted only with the approval of both the dean and the instructor concerned. From June 29, students may not register for credit but may be admitted as auditors with the consent of the Dean of Summer Session and the instructor concerned.

During the second five-week term, late registration will be permitted on July 28 and July 29 only with the approval of a college dean, and on July 30 and July 31 only with the approval of both the college dean and the instructor concerned. From August 3, students may not register for credit but may be admitted as auditors with the consent of the Dean of Summer Session and the instructor concerned.

During the three-week postsession, late registration will be permitted on August 4 and August 5 only with the approval of the Dean of Summer Session and the instructor concerned. From August 6, students may not register for credit but may be admitted as auditors with the consent of the Dean of Summer Session and of the instructor concerned.

TUITION AND FEES. There is no registration fee. The tuition fee is $10.00 per credit hour and must be paid by all persons who register for courses, either for credit or as auditors. There is no additional charge for nonresidents. Laboratory and other fees are charged for certain courses, as stated in this catalog or in the mimeographed announcement issued at registration time. An activity fee of $1.25 must be paid by all students registered in either the six-week summer session or the first five-week term.

Registration is not complete until all fees have been paid. A penalty fee of $5.00 will be charged any student who does not complete his registration on time and any student who applies for registration between June 24 and June 26, the period during which late registration for credit may be permitted. The late registration fee of $5.00 will also be charged for the second five-week term on July 28-31, and for the postsession on August 4-5. There is a charge of $2.00 for any change in registration after the initial registration unless waived for good cause by a college dean or the Dean of Summer Session. Fines for violating campus parking rules and library fines must be paid promptly. Students are expected to learn the parking and library rules.

REFUNDS. A student in good standing who withdraws from either the six-week summer session or the first five-week term may obtain a 60 per cent refund of tui-
tion and laboratory fees until 4:00 P.M. Thursday, June 25, and a 20 per cent refund thereafter until 4:00 P.M., June 30. After June 30, no refunds will be made.

During the second five-week term a student may obtain a 60 per cent refund until 4:00 P.M. Thursday, July 30, and a 20 per cent refund thereafter until 4:00 P.M. Tuesday, August 4, after which there will be no refunds.

During the three-week postsession a student may obtain a 60 per cent refund until 4:00 P.M. Wednesday, August 5, and a 20 per cent refund thereafter until 4:00 P.M. Friday, August 7, after which there will be no refunds.

No part of the $1.25 activity fee or $40.00 Visitor's Ticket is subject to refund.

PERSONAL CHECKS. Personal checks will be accepted for payment of summer session tuition and fees only when the amount of the check does not exceed the amount due from the student.

GRADES AND EXAMINATIONS. Final examinations are given in all courses unless other provisions are authorized by the Dean of Summer Session. The final examination is usually given at the last scheduled meeting of the class. Unless satisfactory arrangements have been made with the instructor in advance, absence from the final examination will be equivalent to "0" (zero) and counted as such in computing the grade for the course. Special examinations for individual students are not permitted, as a general rule, and need the approval of a college dean or the Dean of Summer Session. (A fee of $10.00 is charged for any special examination which is so approved.) Students must complete all the work and examinations required by their instructors, attend classes regularly until the close of the session or term, and hand in all assignments by that time. No part of the work may be continued beyond the close of the session or term.

The grading system is the same as in the regular sessions: A, excellent; B, good; C, fair; D, barely passing; I, incomplete; F, failure. The grade "I" is not normally used in summer session work, and may be given only with the approval of the Dean of Summer Session. In graduate courses (300-399) the letters H (honors), S (satisfactory), and U (failure) are used for graduate students and the letters A to F for others.

WITHDRAWALS. To withdraw from a course a student must obtain a withdrawal form at his Dean's office and have it properly filled with all necessary signatures. The effective date of withdrawal is the date recorded by the Business Office. A student who stops attending a course without going through the foregoing procedure receives an F (for failure) in the course. During the first five days of instruction in any session or term a formal withdrawal is marked W on the student's record. Thereafter, and prior to the last five days of instruction in the session or term, a formal withdrawal is marked W if the student's work was of passing grade; otherwise it is marked F. No withdrawals from courses are permitted during the last five days of instruction. The Dean of Summer Session may, however, under exceptional circumstances, allow a student to withdraw completely from all courses.

TRANSCRIPTS. A student who requests the Office of Admissions and Records to send a transcript of his work to another institution is not required to pay for the first copy but is charged $1.00 for each subsequent copy. If a student's records indicate an indebtedness to the University, such as unpaid library or parking fines and the like, his transcript will carry the following notation: "Denied further registration. See Discipline file."
Summer Sessions

GROWING ENROLLMENT. Enrollment in summer session courses has increased steadily year after year. The totals for the past five years are:

- 1958—6,002
- 1957—5,356
- 1956—4,603
- 1955—4,214
- 1954—3,714

In 1958 there were 1,539 students from 45 states and the District of Columbia, including 663 graduates, 848 undergraduates, and 28 auditors. There were, also, 66 students from foreign countries.

DISTINCTIVE OFFERINGS. To keep pace with the growth in enrollment, course offerings are being increased each year. Moreover, in addition to standard college courses comparable to those given at other American universities, there are many distinctive offerings not generally available elsewhere. As an illustration, the 1959 summer program presents courses in Asian and Pacific subjects such as Peoples of the South Seas, South Asian Peoples, Arts of the Pacific, Asian Field Studies, East Asian Bibliography, Intellectual History of Modern China, an interdisciplinary course on Asia, Chinese Literature in English, Education in the Pacific, Literature of the Pacific, Geography of Hawaii, International Relations of the Far East, Government and Politics of South and Southeast Asia, Hawaiian Politics, Dances of Hawaii, History of the Far East, History of India, Pakistan and Ceylon, History of the Hawaiian Islands, Foods of the Pacific, Japanese Language, Japanese Dance, Music of the Far East, Pacific and Asian Music in Education, Living Religions of Hawaii, Community Forces in Hawaii, Race and Culture Contacts in Hawaii, People and Institutions of Japan, Hawaii and Its People, Geology and Volcanoes of the Hawaiian Islands, and a number of courses offered by members of the East-West Philosophers' Conference mentioned below.

Eminent visiting professors are invited each year to augment the resident faculty on summer duty. Some of the visiting professors are invited on the basis of exchanges with University of Hawaii professors.

EAST-WEST PHILOSOPHERS' CONFERENCE. Because of the University of Hawaii's unique qualifications for developing better understanding between the peoples of Asia and the West, the University held East-West Philosophers' Conferences in 1939 and 1949 and will conduct a third in 1959. The 1959 conference, held in conjunction with the summer session of the University, will offer students many opportunities to develop knowledge and interest in East-West thought and to take courses in Eastern, Western, and East-West comparative philosophy taught by recognized scholars from many parts of the world.

The conference program will include a series of public lectures by internationally known philosophers, formal conference meetings, and both elementary and advanced courses in the summer session.
The philosophy courses to be offered are:
S 100 Introduction to Philosophy
S 200 Ethics
S 270 Introduction to Indian Philosophy
S 271 Introduction to Chinese Philosophy
S 282 Introduction to Buddhist Philosophy
S 290 East-West Comparative Ethics
S 291 East-West Comparative Legal and Political Philosophy
S 292 East-West Comparative Philosophy in Religion

A few grants in aid for attending the conference are offered to instructors and assistant professors in philosophy.

For further information concerning the conference write to Dr. Charles A. Moore, Director, East-West Philosophers' Conference, University of Hawaii, Honolulu 14, Hawaii.

INSTITUTE FOR SCIENCE AND MATHEMATICS TEACHERS. The present crisis in science has been dramatically highlighted by recent events on the international scene. The important role of secondary school teachers in motivating our young people to choose scientific and mathematical careers has been recognized. To assist teachers in fulfilling this role, and improving their subject-matter competence, the National Science Foundation has made a grant to the University of Hawaii to conduct a summer institute.

The Institute will be divided into three sections: life science, physical science, and mathematics. A student participating in the Institute is to elect two courses within his chosen section. He will be encouraged, but not required, to stay within one section.

In the mathematics section a special course in Modern Mathematics (Mathematics S 140) will be offered. In addition, a selection is to be made from the regular summer session offerings in mathematics. In the life science section special foundation courses in zoology (Zoology S 120) and in botany (Botany S 120) will be available. In addition, Principles of Genetics (Botany S 154) and Human Heredity and Genetics (Zoology S 210) may be taken.

The physical science section will offer special foundation courses in physics (Physics S 120) and in chemistry (Chemistry S 120). At a more advanced level, Elements of Organic Chemistry (Chemistry S 159) and Survey of Modern Physics (Physics S 280) will be offered.

The Institute will be held on the University campus for six weeks and will coincide with the regular summer session. Stipends will be provided from a grant made by the National Science Foundation for 100 participants. Stipend amounts will depend on the degree of dislocation necessary for the participant to attend the Institute, but may be as much as $450 for the six weeks session. Limited allowances are provided for dependents and for travel. A committee will evaluate the qualifications of applicants in awarding the stipends. The Institute will also be open to a limited number of teachers who do not receive stipends.

The Institute will be directed by Dr. Albert J. Bernatowicz, chairman of the Department of Botany. Applications should be made to the Director.
SUMMER INSTITUTE ON ASIAN STUDIES. American teachers are becoming increasingly aware of the need for a fuller knowledge of the peoples of Asia. To help meet this need, a summer institute is being started in 1959. The basic program of the Institute will be two companion courses on Asia (see Asian Studies S 310 and S 311). The morning course (S 310) will present lectures by various experts on the lands and peoples, the historical background, the traditional motivations, the economic base, the life of the people, and government and the international situation, of East, South, and Southeast Asia. Lecture-demonstrations of Asian music and dances, special showings of Asian movies, informal Oriental dinners, an Asian "fashion show," and other distinctive programs are being planned in conjunction with the evening course (S 311).

Any qualified student may register for the morning course (S 310). The evening course, however, is restricted to persons accepted as members of the Summer Institute on Asian Studies, who are expected to be concurrently registered in S 310 and in one other course of their choosing on an Asian subject.

Membership fee is $75. This covers tuition in full, student activity cards, printed materials, "field trips," and other special programs. Persons desiring to enroll in the Institute should write at once to the Dean of Summer Session for application forms. The deadline for applications is March 15, 1959.

STUDY TOURS. Undergraduates at the University of Hawaii will have an opportunity to go on a study tour to Japan in the summer of 1959 (see Asian Studies S 150). The tour will be conducted by Dr. Minoru Shinoda, assistant professor of history, and will carry five credits. Lectures aboard ship en route to Japan, and during the tour of that country, will pay particular attention to the geography, economy, arts and crafts, politics, and religious and social structure of Japan in both the historic and postwar setting. Inquiries concerning this particular tour should be addressed to Dr. Shinoda.

College graduates may apply for a study tour to the Far East (see Asian Studies S 320). This tour will be conducted by Dr. C. K. Cheng, professor of sociology, and will carry five graduate credits. Like the preceding tour, there will be shipboard and other lectures on the countries to be visited. The course is designed primarily for teachers but will be open to other mature persons for credit or as auditors. Inquiries should be addressed to Dr. Cheng.

In the summer of 1958 a successful study tour to Europe was conducted by Assistant Professor Florence Maney. A similar tour may be repeated in 1960, if sufficient interest is again shown by prospective students.

HAWAII AND ITS PEOPLE. This 5-credit course (Sociology S 356), which drew an enrollment of over 200 students (mainly teachers) in the 1958 session, deals with various phases of Hawaiian history, economics, geography, government, religion, social institutions, etc. Field trips to the Bishop Museum, temples and shrines, Chinatown, a Japanese movie, sugar and pineapple plantations, etc., help to give the class a first-hand view of various aspects of the multiracial, cosmopolitan community constituting the more than half-million people of Hawaii.

EDUCATION IN THE PACIFIC. This 5-credit course (Education S 344) is offered for the first time in 1959 and should be of particular interest to teachers
desiring knowledge of educational systems, practices, and problems in various countries bordering the Pacific and in Pacific Islands. As in the course on Hawaii and Its People, referred to above, guest lecturers will be invited to address the class, and visits will be made to various points of interest in the Pacific metropolis that is Honolulu.

**PRACTICAL ASTRONOMY.** As we move inexorably into outer space with man-made satellites and other excursions into the heavens, it becomes increasingly more important to the general layman to expand his knowledge about this new frontier. A course in practical astronomy (Science S 201) was introduced in the 1958 summer session and drew such a heavy enrollment that it will be offered again in the 1959 session.

**VOLCANOES.** School teachers and laymen as well as undergraduates will be interested in a course on Hawaiian geology and volcanoes to be offered by the eminent volcanologist Dr. Gordon A. Macdonald at the Hilo Branch. This will be a nontechnical survey of the geologic history of the Hawaiian Islands, with special attention to the role of volcanoes. Field trips to the Kilauea volcano region and to the Hamakua coastal area are planned.

**CRIMINALISTICS.** To assist in the training of law enforcement officers, the summer session will offer a 5-credit course on Scientific Investigation and Physical Evidence (Criminology S 210) by Professor Leland V. Jones, of Los Angeles State College, who was for 21 years Criminalist in the Scientific Investigation Division of the L. A. Police Department. He was in charge of the Division for five years, and has testified in court as an expert in the field of criminalistics in several thousand cases.
OTHER NEW COURSES. Many new courses will be offered in 1959, including New Directions in Adult Education (Education S 228), Teaching of Foreign Languages (Education S 265), Workshop in Language Arts, Secondary (Education S 292(21)), Workshop in the Teaching of the Three R's (Education S 292(22)), Workshop in Creative Activities (Education S 292(23)), Curriculum Problems with Slow Learning Children (Education S 298), The School Plant, Its Design and Use (Education S 352), Seminar in Guidance Issues (Education S 278), Classicism and Preromanticism (English S 281), Trampoline (HPE S 118), Board Surfing (HPE S 119), Golf (HPE S 126 and 128), Curriculum Development in Foods and Child Development (Home Economics S 374), The Library in Teaching (Library Science S 261), Parent-Child Relationships (Social Work S 301), and Family Centered Casework (Social Work S 376).

Extracurricular Activities

UNIVERSITY PROGRAM. An extensive program of educational and recreational extracurricular events is sponsored by the University in conjunction with the summer session. The program includes evening public lectures by some of the visiting professors and the annual summer play. Other popular features of the program have been guided tours of interesting spots in the cosmopolitan city of Honolulu, and of Oriental temples and shrines, the Bishop Museum, the great naval base at Pearl Harbor, a sugar plantation and its mill, and a pineapple field and cannery.

Perennial favorites also have been craft sessions in lauhala weaving, flower arrangement, and the making of coconut hats, zabuton cushions, leis, and seed jewelry; sliding down grassy mountain slopes on bundles of ti leaves; glass-bottom boat rides over the Coral Gardens of Kaneohe Bay; catamaran rides off the beach at Waikiki; evening programs of Hawaiian legends and dances; an International Night program of the costumes, dances, and music of old Hawaii, China, Japan, Korea, and the Philippines; and two social dances, an Aloha Dance early in the session and a Pau Hana (Work Finished) Dance at the end of the session. Coffee Hours also have been sponsored, as a welcome “break” between classes. Details of the summer program for 1959 will be printed in Summer Salute, a special publication distributed at the beginning of the summer session.

SUMMER PLAYS. The University Summer Theatre plans to present, during the last week of the session, the first performances in English of a newly translated Asian play. As this catalogue goes to press, it seems likely that one of the dramas of Ts'ao Yu, China's leading modern playwright, will be chosen. Presently being considered are Lai Yu (Thunder and Rain), China's first full-length modern play, and Jih Ch'u (Sunrise). Like Peiching Jen (Peking Man), which aroused considerable interest when it was first produced at the University in 1954, these plays reflect and record a period when the traditional civilization of ancient China was undergoing vast changes. Ts'ao Yu's exposure to Western culture has been substantial, and his plays show, often brilliantly, the effects of his work with Chekhov, Ibsen, and O'Neill.

Admission to the performances will be free to persons with Summer Session Activity Cards. Tryouts both for roles in the plays and for backstage work will be
held during the first week of the session and will be open to all interested students, although those enrolled in Drama and Theatre courses will be given first consideration.

**ACTIVITY FEE.** An Activity Fee of $1.25 is charged all students registered in the six-week summer session or the first five-week term, and a Summer Session Activity Card is issued to each student paying this fee. The Activity Card entitles students to attend or participate in the various extracurricular events planned for them, on a first-come-first-served basis. For certain trips an additional fee is charged to help defray the cost of transportation and lunches. Activity Cards may be purchased, upon approval of the Director of Student Activities, by summer session faculty members and by husbands or wives or children (over 18 years of age) of these faculty members or of summer session students.

There will be no program of special events after July 31. Consequently, no activity fee will be charged for the second five-week term and the postsession.

**HEMENWAY HALL.** Hemenway Hall, the college union building, is available each morning, Monday through Friday. Its services include daily Carnegie Concerts, current periodicals and local newspapers, table games and ping pong. Lounges and meeting rooms, a barbershop, and the University cafeteria are also located in this building. A snack bar is available in an adjoining building.

**OF INTEREST TO VISITORS.** Honolulu is a cosmopolitan metropolis of some 300,000 people representing nearly all parts of the world. The numerous shops offering exotic wares from many Asian countries, the quaint atmosphere of Chinatown, the lovely residential districts, and the beach areas with their sand, surfboards, and catamarans are always of special interest to visitors. In Honolulu are the famed Bernice P. Bishop Museum, the Honolulu Academy of Arts, the Queen Emma Museum, and the only erstwhile royal palace on American soil, Iolani Palace. There are various Buddhist, Shinto, Confucian, and Taoist temples and shrines that are favorites with picture-taking visitors.

There is a wide variety of eating places including famous restaurants featuring Hawaiian, Oriental, Latin American, and European cuisines. There are many movie theatres, including drive-ins, three television and ten radio stations, free public concerts by the Royal Hawaiian Band, open-air exhibits of their paintings by local artists, botanical gardens and arboreta, the extensive Honolulu Zoo, the new Aquarium at Waikiki Beach operated by the University, and other attractions to suit diverse tastes.

**Housing**

**CAMPUS DORMITORIES.** Frear Hall, modern residence for women, accommodates 144 students and is available to summer session graduate and undergraduate students. Each attractively furnished room has a sweeping view of mountains or the sea. All rooms are doubles. Rates are $70 per person for the session. Hale Laulima, a small dormitory with 14 single and 2 double rooms is available to graduate women over 40 years of age. Rates are $70 each in doubles, $90 in singles. Johnson Hall, new modern residence hall for men, accommodates 80 stu-
Students in double rooms. Rates are $70 per person for the session. To be eligible for any University of Hawaii residence hall, a student must be registered for at least three hours of credit. Courses audited do not meet this requirement. Applications should be addressed to the Director of Student Residences, 126 Bachman Hall, University of Hawaii, Honolulu 14, Hawaii.

None of the residence halls provides food service of any type. However, the University cafeteria serves reasonably priced meals Monday through Saturday. Also, there is a restaurant nearby. Students should plan for a minimum of $2.50 per day for food.

Comfortable accommodations for men are also available in Charles 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.

OFF-CAMPUS HOUSING. The Office of Student Personnel will be happy to assist students upon their arrival in Honolulu with its current file of off-campus accommodations, although it cannot assume responsibility for these accommodations. Students must negotiate for off-campus housing directly with the landlord; no reservations or deposits can be processed by the University; and no supervisory control is exercised by the University over off-campus housing. Because of rapid turnover, lists of rooms and apartments are not available for mailing.

In general, minimum rents have been about $40 a month for a room and $100 a month for an apartment in the University area. However, a student should be prepared to pay more as housing accommodations are in great demand during the summer period and landlords usually charge higher rates for short term occupancy.

Inquiries concerning advance reservations for off-campus housing may be directed to the Hawaii Visitors Bureau, 2051 Kalakaua Avenue, Honolulu, Hawaii. Most of their listings of rooms and apartments are in the Waikiki Beach area, where hotel rates generally prevail. Arrangements might be made to stay in one of the Honolulu hotels for a few days after arriving in Honolulu, if other housing is to be sought after arrival.

Sliding down grassy slopes on bundles of ti leaves, a pre-European Hawaiian sport, is one of the unique recreations of the summer session.
Students arriving in Honolulu without housing reservations are invited to call on the University's Office of Student Personnel for advice, information, and current listings of available accommodations.

**Additional Information**

**TRANSPORTATION.** Air service on regular schedules between continental United States and Hawaii is provided by United Air Lines, Pan-American World Airways, and Northwest Air Lines, and on nonscheduled flights by Transocean Air Lines. Canada and Hawaii are linked by Canadian Pacific Air Lines and Qantas Airways. Steamship service is provided by Matson Navigation Company and the American President Lines, among others.

The University is located on a Honolulu Rapid Transit bus line that can take one to the center of town. There are connecting bus lines to the Waikiki Beach area. Fares are two tickets for 30¢, or 20¢ cash. During the period of the summer session, special shuttle bus service between the University and the Waikiki district is available at certain hours.

The major outer islands, Hawaii, Maui, and Kauai, are easily reached by Aloha Airlines and Hawaiian Airlines which have many daily flights.

**DRIVERS' LICENSES.** Mainland visitors with valid drivers' licenses are permitted to drive in Hawaii for 90 days following arrival, after which they must obtain Hawaiian licenses. However, if the driver is under 20 years of age, he or she must file a Parental Consent form with the Honolulu Police Department. This form may be obtained at police headquarters in Honolulu. A duly notarized statement signed by the driver's parents may be submitted for consideration by the Honolulu Police Department in lieu of this form. A driver under 20 years of age is otherwise liable to arrest.

New students bringing cars to the campus should obtain a copy of the University's rules on driving and parking.

**PART-TIME EMPLOYMENT OPPORTUNITIES.** Persons planning to attend the summer session are advised that there are very few opportunities for part-time employment during the summer period. Nonresident summer students are accordingly advised to have funds for all expenses before coming.

**CLASSROOM ATTIRE.** One of the pleasant features of summer sessions in Hawaii is that professors and students are generally attired somewhat more informally than during the fall and spring semesters, and colorful "Aloha shirts" and Hawaiian dresses make the campus one of the most picturesque to be seen anywhere. Students are reminded, however, that the canons of good taste exclude abbreviated shorts, swimming suits, and the like from normal classroom wear.

**HILO BRANCH SUMMER SESSION.** A few summer courses are offered at the University of Hawaii Hilo Branch, located in the town of Hilo, on the island of Hawaii, some 200 miles from Honolulu. The courses are intended primarily for residents of the island of Hawaii.
Courses Offered

Courses numbered 100 to 199 are intended primarily for freshmen and sophomores. Those numbered 200 to 299 are intended primarily for juniors and seniors, but are open to graduate students when needed to complete a major field. 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.

During the regular six-week session, classes in 1-credit or 2-credit courses will generally have 50-minute sessions five days a week, Monday through Friday. Three-credit courses will have 75-minute sessions, and 4-credit courses will have 110-minute sessions. Most classes will be held according to the following schedule:

<table>
<thead>
<tr>
<th>50-MINUTE CLASSES</th>
<th>75-MINUTE CLASSES</th>
<th>110-MINUTE CLASSES</th>
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<tbody>
<tr>
<td>7:45-8:35</td>
<td>7:20-8:35</td>
<td>8:10-10:00</td>
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<td>9:10-10:00</td>
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<td>12:00-12:50</td>
<td>11:35-12:50</td>
<td>1:30-3:20</td>
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</table>

Time signals will be sounded for morning classes only at the closing times: 8:35, 10:00, 11:25 A.M. and 12:50 P.M.

The foregoing schedule provides a minimum interval of 35 minutes between classes for most students, thus giving opportunity for professor-student chats, coffee breaks, or quick trips to the library or the bookstore, and minimizing the need to rush to the next class which might be at some distance across the campus.

Air Science

S 257 SUMMER CAMP (2) Staff

Anthropology

S 150 INTRODUCTION TO THE STUDY OF MAN (3) Jay
An introduction to the changing cultures and physical characteristics of nonliterate peoples as an aid to better understanding of current problems in human relations.
Daily 8:45-10:00

S 252 PEOPLES OF THE SOUTH SEAS (2) Goodenough
Survey of racial origins, languages, and cultural institutions of aboriginal Australia, Melanesia, Micronesia, and Polynesia.
Daily 10:35-11:25

S 254 SOUTH ASIAN PEOPLES (2) Jay
Growth and character of high civilizations in India, Burma, Siam, and Indo-China and their relations with folk and tribal societies in the area.
Daily 12:00-12:50

23
S 265 SOCIAL ORGANIZATION (2) Goodenough
Comparison of organized group activity in societies of varying complexity. Kinship and association as bases for mutual action and social control.
Daily 9:10–10:00

Art

S 140 INTRODUCTION TO THE VISUAL ARTS (3) Turnbull
A course designed to give insight into the nature of visual art and its relationship to contemporary life, including expression in various forms, such as painting, architecture, sculpture, photography, and industrial design. Lectures, demonstrations, and museum visits. Course fee $1.00.
Daily 11:35–12:50

S 142 ART FUNDAMENTALS (2) Kimura, Kingrey
Background material and studio practice to stimulate understanding of the arts. Lectures, museum visits, and studio work. Studio fee $1.00.
Daily 8:10–10:00 (Kimura)
10:10–12:00 (Kingrey)

S 150 DESIGN (2) Kingrey
Introduction to design fundamentals involving the elements and principles of visual organization. Lectures and studio problems. This course or its equivalent in experience is prerequisite to all advanced study in art. Studio fee $1.00.
Daily 8:10–10:00

S 157 DRAWING AND PAINTING Kimura, Turnbull
A course for beginners and students of moderate advancement. Considerations of representation, composition, and control of media. Studio and outdoor subject matter. Course fee $1.00.
Daily 8:10–10:00 (Turnbull)
10:10–12:00 (Kimura)

S 160 CERAMICS (2) Horan, McVay
Methods and principles of creating pottery by hand with demonstrations of throwing on potter’s wheel. Lectures and studio work. Studio fee $10.00.
Daily 8:10–10:00 (Horan)
10:10–12:00 (McVay)
1:30–3:20 (McVay)

S 161 CERAMICS (2) Horan
Continuation of S 160. Emphasis on wheel throwing of pottery, and further work in field of student’s choice. Lectures and studio work. Studio fee $10.00.
Daily 10:10–12:00

S 176 WEAVING A (2) Robinson
Introduction to the creative processes of weaving. Warping and threading of simple hand looms, with some experience on the multiple harness loom. Lectures and studio work. Studio fee $7.50.
Daily 8:10–10:00
10:10–12:00
(Students who have had this course may enroll for Art S 177 Weaving B (2) upon approval by the instructor. Studio fee $7.50.)

S 255 MODERN ART AND ITS ORIGINS (ARTS OF THE PACIFIC) (2) Norris
Discussion and analysis of inspiration, theory, and practice in the visual arts, integrating expressions of nonliterate peoples with modern forms, with special study of an emphasis upon the arts of the Pacific region. Course fee $2.00.
Daily 9:10–10:00

24
S 264 WATER COLOR PAINTING (2) Norris

Asian Studies

S 150 FIELD STUDIES (5) Shinoda
Study tour to Japan, leaving Honolulu on June 16 by ship, arriving at Yokohama on June 25; a month of travel and observation throughout Japan; returning by air to Honolulu on July 24. Limited to undergraduates at the University of Hawaii. Prerequisite: consent of instructor. For other details, see p. 17.

S 250 EAST ASIAN BIBLIOGRAPHY (2) Tsien
A study of the history of East Asian printing and books, research techniques, and reference tools in East Asian studies, and a survey of literature on China, Japan, and Korea in the humanities and the social sciences. Daily 10:35–11:25

S 260 INTELLECTUAL HISTORY OF MODERN CHINA (2) Tsien
A study of the tradition and changes of Chinese thought, literary history, and cultural institutions from the contact with the West at the end of the sixteenth century to the present time. Daily 7:45–8:35

S 310 ASIA (3) Staff
An interdisciplinary study of Asian countries, with special attention to South, Southeast, and East Asia. Lectures on geography, anthropology, history, religion, philosophy, literature, art, music, economics, sociology, government. Intended primarily for secondary school teachers. For other details, see page 17. Daily 8:45–10:00

S 311 ASIA (1) Staff
Companion course to S 310. Six evening discussion sessions and six evening lectures. Field trips and additional sessions arranged. Prerequisite: membership in Summer Institute on Asian Studies. For other details, see p. 17. Daily 6:30–7:45 P.M. Discussion 8:00–9:00 P.M. Lecture

S 320 FIELD STUDIES (5) Cheng
Study tour, leaving Honolulu on June 16 by ship, arriving at Yokohama on June 25; travel and observation in Japan, June 25–July 10; Taipeh, Formosa, July 10–13; Hong Kong, Kowloon, Macao, July 13–18; Manila, July 18–22; leaving Manila by air July 22 for Honolulu. Prerequisite: consent of instructor. For other details, see p. 17.

Bacteriology

S 130 MICROBES AND MAN (2) Contois
A general introduction to the world of microbiology, presenting the different kinds of microorganisms and their manifold activities as they affect people and their possessions. Attention to the functions of germs in health and in disease, and the roles that microorganisms play in agriculture and industry, in the preparation of foods and beverages, and in the economy of the sea. Lectures supplemented with demonstrations and visual aids. Field trips to establishments and laboratories on Oahu which demonstrate the activities of microorganisms and man's efforts to control them. Not open to students who have had Bacteriology 151. Prerequisite: a year of high school science or its equivalent. Daily 9:10–10:00
Science teacher participants in the Institute for Science and Mathematics Teachers study the uptake of radioactivity by marine organisms at Coconut Island. Ways to incorporate recent scientific developments into the science work of schools are emphasized.

Botany

S 120 INTRODUCTION TO MODERN BOTANY (3)  
Lane  
An introduction to basic concepts and a review of fundamentals and recent developments in botany. Designed primarily for students enrolled in the Institute for Science and Mathematics Teachers. Prerequisite: consent of the Director of the Institute. 
Daily 7:45–8:35 Laboratory, M W 1:00–4:00

S 154 GENERAL GENETICS (3)  
J. B. Smith  
Scientific basis of inheritance from viruses to man, including recent developments in the understanding of gene action and the nature of the gene. Application of genetics to improvement of plants and animals, and brief reference to genetics and human welfare. Prerequisite: one semester of biological science.  
Daily 8:45–10:00

Business

S 150 ELEMENTARY ACCOUNTING (3)  
S. Lee  
Fundamental principles of accounting for sole proprietorships, including use of journals and ledgers and preparation of statements. Three lectures and two laboratory periods. Prerequisite: sophomore standing in the department or consent of instructor. First 5-week term: June 22–July 24.  
M W F 8:00–10:00 Laboratory, T Th 8:00–10:20

S 151 ELEMENTARY ACCOUNTING (3)  
S. Lee  
Continuation of Business S150, including the accounting problems of partnerships and corporations. Three lectures and two laboratory periods. Prerequisite: Business 150. Second 5-week term: July 27–August 28.  
M W F 8:00–10:00 Laboratory, T Th 8:00–10:20

S 262 SEMINAR IN LABOR RELATIONS (1)  
Roberts  
Discussion of current labor issues. Examinations of union procedures, including the role of the organization, research and education departments, collective bargaining, and grievance procedures. Prerequisite: consent of instructor. Two weeks: June 29–July 10.  
M T W Th 1:00–3:00

S 265 CORPORATION FINANCE (2)  
Stellmacher  
Analysis of instruments and methods of financing a corporation. Prerequisite: Business 151; Economics 256 or consent of instructor.  
Daily 7:45–8:35
### S 267 BUSINESS CYCLES AND BUSINESS FORECASTING (2)
Analysis of the fluctuations of economic activity with emphasis on business cycle theories and forecasting. Prerequisite: Economics 256.
Daily 7:45–8:35

### S 270 PRINCIPLES OF MARKETING (3)
Study of consumption; general survey of the marketing structure, emphasizing marketing functions and channels, market analysis, and policies. Prerequisite: Economics 150–151.
Daily 11:35–12:50

### S 273 PRINCIPLES OF ADVERTISING (2)
Advertising as a factor in distribution; copy; layout; production; media.
Daily 9:10–10:00

### S 282 BUSINESS STATISTICS (3)
Principles of statistical analysis, including averages, dispersion, sampling, index numbers, time series, correlation, and inference. Prerequisite: Economics 150–151.
Daily 10:10–11:25

### S 287 BUSINESS ORGANIZATION AND MANAGEMENT (3)
Case approach to organization, marketing, finance, and other management problems. Prerequisite: senior standing and Business 265 or consent of instructor.
Daily 10:10–11:25

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#### Chemistry

### S 103 GENERAL CHEMISTRY (4)
A comprehensive study of chemistry with emphasis upon fundamental laws, principles, and methods. Prerequisite: a year of high school algebra and plane geometry. Lab fee $10.00. First 5-week term: June 23–July 25.
Daily 8:00–9:45 Laboratory, M W F 1:10–4:00

### S 103C GENERAL CHEMISTRY (4)
A continuation of S 103. The equivalent of the second half of the academic year's course in beginning chemistry. Lab fee $10.00. Second 5-week term: July 28–August 29.
Daily 8:00–9:45 Laboratory, M W F 1:10–4:00

### S 120 INTRODUCTION TO MODERN CHEMISTRY (3)
An introduction to basic concepts and a review of fundamentals and recent developments in chemistry. Designed primarily for students enrolled in the Institute for Science and Mathematics Teachers. Prerequisite: consent of the Director of the Institute.
Daily 10:35–11:25 Laboratory, T Th 1:10–4:00

### S 159 ELEMENTS OF ORGANIC CHEMISTRY (4)
Intensive course. Chemistry of carbon compounds. Lab fee $12.00. Prerequisite: Chemistry 103 or 105.
Daily 8:30–10:00 Laboratory, M W 1:10–4:00

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#### Chinese

### S 250 CHINESE LITERATURE IN ENGLISH (2)
A survey of Chinese literature from the earliest times to the present; emphasis will be placed upon Chinese culture as seen in literature. Special consideration will be given to poetry, especially that of the Wei-Chin Six Dynasties and T'ang periods. Knowledge of the Chinese language is not necessary for this course.
Daily 10:35–11:25
Criminology

S 210 SCIENTIFIC INVESTIGATION AND PHYSICAL EVIDENCE (5) Jones
How to recognize, evaluate, mark, and preserve all types of physical evidence for presentation in court. Scope of the forensic sciences; prints and imprints; hit and run; comparative analysis of cuts, impressions, contours; blood analysis; dead bodies; rape; abortions; narcotics; hair identification; fibres; poisons; dust, dirt, and debris; questioned documents; firearms identification; explosives, etc.
Daily 9:10–11:25

Drama and Theatre

S 150 DRAMATIC PRODUCTION (2) Trapido
An introduction to the basic theories and practices of the theatre. Emphasis upon acting, direction, staging, and lighting, with some attention to other departments of the theatre and to problems of school production.
Daily 10:35–11:25

S 200 THEATRE PRACTICE (2) Trapido
Supervised work in the arts and crafts of the theatre, in conjunction with productions. Staging, lighting, costumes, and properties, of which the student will usually emphasize one. Intended for the general student as well as drama majors. May be repeated once.
Daily, hrs. arr.

Economics

S 140 INTRODUCTION TO ECONOMICS (3) 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.
Daily 10:10–11:25

S 252 ECONOMIC PROBLEMS OF ASIA AND THE FAR EAST (2) Mark
Structure and development of economies of Asia and the Far East, with special reference to China, Japan, India, and Southeast Asia. Problems of agricultural and resource development, industrialization, trade, finance, and government planning in underdeveloped areas.
Daily 7:45–8:35

S 256 MONEY AND BANKING (3)
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.
Daily 8:45–10:00

S 265 GOVERNMENT AND BUSINESS (3)
Economic aspects and consequences of public policy and regulation of business activity.
Daily 11:35–12:50

S 281 LABOR PROBLEMS (3) 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.
Daily 8:45–10:00
S 283 LABOR LEGISLATION (2)  
General principles of labor law; emphasis upon applicable statutes and their economic implications. Prerequisite: Economics 140 or 150–151.  
Daily 7:45–8:35

Education

The Ed.B. or equivalent is prerequisite to registration in any Education course numbered 300 or above, except by special permission of the department chairman.

S 206 PRINCIPLES OF INDUSTRIAL EDUCATION (2)  
The development of vocational education; history and legislation affecting it; analysis of objectives of types of courses and programs; their place in the total program of education; the plan for vocational education in Hawaii.  
Daily 7:45–8:35

S 228 NEW DIRECTIONS IN ADULT EDUCATION (2)  
A survey course for leaders and teachers in adult education, emphasizing such new developments as liberal adult education, community development, human relations training, and methods and techniques developed by group dynamics research.  
T Th 4:00–6:00

S 236 BASIC SKILLS, PRESCHOOL-PRIMARY (2)  
Materials and procedures for teaching children's literature, creative dramatics, and language arts. Prerequisite: Education 283–284.  
Daily 9:10–10:00

S 236C BASIC SKILLS, PRESCHOOL-PRIMARY (2)  
Materials and procedures for teaching beginning reading and number concepts. Prerequisite: Education 283–284.  
Daily 10:35–11:25

S 240 SOCIAL STUDIES, ELEMENTARY (2)  
Scope and organization of the social studies for the elementary school; development of social knowledge and understanding in childhood experience. Prerequisite: Education 285–286.  
Daily 7:45–8:35

S 241 MATHEMATICS, ELEMENTARY (2)  
Daily 10:35–11:25

S 243 LANGUAGE ARTS, ELEMENTARY (3)  
Developing concepts of the modern approach to the teaching of language arts—reading, oral and written expression. An exploration of materials designed for grades one through six. Prerequisite: Education 285–286.  
Daily 10:10–11:25

S 244 LITERATURE, ELEMENTARY (2)  
Acquaintance with a wide range of children's books; criteria for judging literature on the basis of children's needs and interests. Prerequisite: Education 285.  
Daily 9:10–10:00

S 247 SOCIAL STUDIES, SECONDARY (3)  
Scope and organization of social studies in the secondary school. Development of social knowledge and understanding. Prerequisite: Education 250.  
Daily 11:35–12:50
§ 250 SECONDARY EDUCATION (5)  
Meyer  
Basic course dealing with major problems in secondary education. Prerequisite: Psychology 186.  
Daily 7:45-10:00

§ 257 LANGUAGE ARTS, SECONDARY (3)  
Davis  
Teaching of speaking, reading, writing, and listening in the secondary school; literature, grammar, usage, and spelling. Prerequisite: Education 250.  
Daily 10:10-11:25

§ 258 MATERIALS AND METHODS OF INSTRUCTION (3)  
Sueoka  
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. Must be taken concurrently with Education § 280.  
Daily 7:20-8:35

§ 261 TESTS AND MEASUREMENTS (3)  
Adams  
Theory and techniques of evaluation in education; practice in the use of testing devices. Lab fee $8.00, including $7.00 for the National Teacher Examination. Prerequisite: credit or concurrent registration in Education 250 or 280 or 283-284 or 285-286.  
Daily 10:35-11:25 Laboratory (1) M Th 7:20-8:35  
(2) T F 7:20-8:35  
(3) M Th 11:35-12:50  
(4) T F 11:35-12:50

§ 262 CREATIVE ART, ELEMENTARY (2)  
Wankelmann  
Individual and group projects to promote understanding of the creative use of art materials, tools, ideas, and their sources. Work in paint, clay, wood, etc. Studio fee $5.00. Prerequisite: Education 285-286.  
Daily 10:35-12:50

§ 264 ART FUNDAMENTALS FOR THE TEACHER (ATTP) (2)  
Wankelmann  
Introduction to art media for the teacher, place of art in society and the school, development of art principles through art activity, organization of children's art materials. Studio fee $5.00.  
Daily 7:45-10:00

§ 265 TEACHING OF FOREIGN LANGUAGES (3)  
Aspinwall  
Lectures and discussion of problems common to language teachers: aims, motivation, techniques of presentation, tests, infusion of culture, use of games and songs, the tape recorder in the classroom, records, movies, the language laboratory, teacher-saving devices, bibliography. Demonstrations will usually be in French, but a knowledge of this language is not necessary for the course.  
Daily 8:45-10:00

§ 280 PRINCIPLES OF ELEMENTARY EDUCATION (4)  
Jenkins  
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.  
Daily 10:35-12:15

§ 282 LITERATURE FOR ADOLESCENTS (2)  
R. Aim  
Literature for the secondary-school level; methods for helping students appreciate the significance and meaning of literature; selection of materials suitable to varying levels of ability and interest.  
Daily 9:10-10:00
S 287 AUDIO-VISUAL EDUCATION (3)  
Sanner, Wittich
(3 sections)
Theory, preparation, and use on all school levels of sensory aids to learning. Lab fee $3.00.
Daily 7:45-8:35 (Wittich)  
9:10-10:00 (Wittich)  
10:35-11:25 (Wittich)
Laboratory (Sanner)  
(1) M Th 7:20-8:35  
(2) T F 7:20-8:35  
(3) M Th 8:45-10:00  
(4) T F 8:45-10:00
(5) M Th 11:35-12:50

S 292(3) WORKSHOP IN THE EDUCATION OF GIFTED CHILDREN (5)  
Williams
Teaching techniques and instructional materials for stimulating the development of gifted children in normal classrooms on all levels of the school; the enrichment of school experience; developing creative abilities; discovering and exploring new interests; making use of contributions by gifted children to expand the interests and enrich the school experience of their classmates.
Daily 7:45-10:00; add. hrs. arr.

S 292(14) WORKSHOP IN TEACHING OF SCIENCE (5)  
Schwartz
Ways in which the curriculum of the elementary and secondary schools can utilize and incorporate recent scientific developments; examination of existing and preparation of new curricular materials; evaluation of newer teaching techniques; discussion of trends in science education; analysis of essential equipment and supplies for science classrooms.
Daily 7:45-10:00; add. hrs. arr.

S 292(21) WORKSHOP IN LANGUAGE ARTS, SECONDARY (5)  
Hartley
Review of significant research in the teaching of reading, writing, speaking, and literature in the junior and senior high schools; problems of course content and curriculum organization; motivation; instructional procedures.
Daily 7:45-10:00; add. hrs. arr.

S 292(22) WORKSHOP IN THE TEACHING OF THE THREE R's (6)  
Hurley, Burrus, Ruddell
Two weeks intensive work with each of three different leaders in reading, handwriting, and arithmetic; grades one through eight.
Daily 7:45-10:00; add. hrs. arr.

S 292(23) WORKSHOP IN CREATIVE ACTIVITIES (4)  
Kayser
A workshop in creative dramatics, music, dance, and costume design. Lecture and theory classes will be held on Tuesday and Thursday. Demonstration classes will be held on Monday, Wednesday, and Friday at the Waikiki Shell.
Daily 9:00-11:45

S 298 CURRICULUM PROBLEMS WITH SLOW LEARNING CHILDREN(2)  
Cochran
Planning learning activities for children of limited capacity. Prerequisite: a course or workshop in the education of retarded or slow learning children.
Daily 7:45-8:35

S 322 EXTRA-CLASS ACTIVITIES IN SECONDARY SCHOOLS (2)  
Martin
Planning and supervising student government, dramatics, athletics, school journalism, campaigns, contests, and other activities.
Daily 7:45-8:35

S 325 ADMINISTRATION AND SUPERVISION OF VOCATIONAL EDUCATION (2)  
Ewing
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.
Daily 9:10-10:00
S 326 ADMINISTRATION OF THE SECONDARY SCHOOL (2)  LeFranchi
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.
Daily 9:10–10:00

S 327 ADMINISTRATION OF THE ELEMENTARY SCHOOL (2)  Armstrong
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. Prerequisite: Education 390; teaching experience.
Daily 10:35–11:25

S 328 SUPERVISION OF INSTRUCTION (2)  Armstrong, Martin
(2 sections)
Principles underlying supervision, methods of supervision, in-service training of teachers, teacher evaluation, teachers' meetings, development of group leadership, skill in human relations. Prerequisite: Education 390; teaching experience.
Daily 9:10–10:00 (Armstrong)
10:35–11:25 (Martin)

S 329 CURRICULUM CONSTRUCTION (3)  Jackson, Trillingham
(2 sections)
Principles underlying curriculum construction at all levels, developing resource units, locating appropriate curriculum materials, methods of curriculum revision. Prerequisite: teaching experience.
Daily 8:45–10:00 (Trillingham)
11:35–12:50 (Jackson)

S 332 CLINICAL PROCEDURES IN READING (3)  R. Alm
Diagnosis and improvement of reading in elementary and secondary schools. Prerequisite: course work in teaching of reading; consent of instructor.
Daily 12:00–12:50; add. hrs. arr.

S 340 PHILOSOPHY OF EDUCATION (3)  Cary, Nakosteen
(3 sections)
Philosophy and science in education; special, psychological, and ethical considerations essential to the development of a philosophy of education; implications of philosophical viewpoints for policy in education.
Daily 7:20–8:35 (Cary)
8:45–10:00 (Cary)
10:10–11:25 (Nakosteen)

S 344 EDUCATION IN THE PACIFIC (5)  Clopton
Educational problems and practices of people of the Far East, Southeast Asia, Australia and New Zealand, Latin America and Pacific Islands. Historical and cultural context. Indigenous institutions and traditions; impact of western systems and theories, and of burgeoning nationalism on schools and educational planning. Guest lecturers; discussions; field trips. Field trip fee $5.00.
Daily 9:10–11:25

S 350 HISTORY OF EDUCATION (2)  Nakosteen
Survey of the history of educational thought and practice as a basis for the study of modern school problems.
Daily 7:45–8:35
Each attractively furnished room of Frear Hall for women faces either the mountains or the sea. The 144 accommodations are available to summer session graduate and undergraduate students.

S 352 THE SCHOOL PLANT, ITS DESIGN AND USE (3) LaFranchi
Long-term school plant planning; site selection and development; the design and utilization of school plants; operation and maintenance. Restricted to administrators and prospective administrators.
Daily 11:35–12:50

S 360 LEGAL AND BUSINESS ASPECTS OF SCHOOL ADMINISTRATION (2) Jackson
Advanced course in legal and business controls and practices in the public school system. Prerequisite: Education 326 or 327; consent of instructor.
Daily 7:45–8:35

S 365 SEMINAR IN SUPERVISION AND CURRICULUM (2) Trillingham
The supervisory work of the principal; the place of supervision; organization for supervisory service; techniques. Restricted to administrators and prospective administrators. Prerequisite: Education 328 and consent of instructor.
Daily 10:35–11:25

S 378 SEMINAR IN GUIDANCE ISSUES (2) Mathewson
An advanced course for trained and experienced school guidance personnel who qualify for professional certification.
Daily 9:10–10:00

S 380 RESEARCH AND THESIS WRITING (3) Beyers
Research techniques and thesis development; designed to acquaint the student with research methods and literature. Prerequisite: Education 261 and 340, and consent of instructor.
Daily 8:45–10:00

S 390 PUBLIC SCHOOL ORGANIZATION (2) Everly
(2 sections)
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 D.P.I. regulations; retirement system; teachers’ organizations; financing public education.
Daily 9:10–10:00
10:35–11:25

Teachers and Education majors are also referred to the following courses: HPE S 221, Physical Education in Elementary School; HPE S 230, School Health Problems; Home Economics S 374, Curriculum Development in Foods and Child Development; Industrial Arts S 103, Machine Woodworking; Industrial Arts S 200, Electricity I, Essentials of Electricity; Library Science S 261, The Library in Teaching; Library Science S 265, School Library Administration; Music S 150, Elementary Musicianship; Music S 159, Instrumental Music; Music S 251, Music, Elementary Curriculum; Music S 254, Pacific and Asian Music in Education; Psychology S 255,
Educational Psychology; Psychology S 251, Advanced Educational Psychology; Speech S 105, Sounds of English for Prospective Teachers; Speech S 265, Speech for the Classroom Teacher; and courses offered in the Institute for Science and Mathematics Teachers and in the Summer Institute on Asian Studies.

**Engineering**

S CE 101 SURVEYING (4)  
Avery  
Use of tape, level, and transit; horizontal and vertical control surveys; computations. Daily recitations and field or drafting (laboratory) periods. Prerequisite: Mathematics 150; MD 101. Lab fee $2.00.  
Recitations, daily 8:00–9:00  
Laboratory, daily 9:00–12:00

S CE 251 STATICS (3)  
Staff  
Stresses in joint structures; effect of forces on bodies at rest. Prerequisite: one semester of Physics 104.  
Daily 8:05–9:20

S MD 101 ENGINEERING DRAWING (2)  
Corba  
Elements of drafting, sketching, and lettering: isometric, oblique, and orthographic projections; working drawings, conventions, standards, and blueprinting. Lab fee $1.00.  
Daily 8:00–11:00

S MD 152 DESCRIPTIVE GEOMETRY (2)  
Corba  
Principles of descriptive geometry, basic point, line, intersections and development of surfaces; applications to engineering problems. Prerequisite: MD 101.  
Daily 1:00–4:00

**English**

S 101 COMPOSITION (3)  
Lowers, Summersgill, Langhans  
(3 sections)  
Principles and practice of composition—expository forms. First semester. For all students qualifying in university entrance examinations.  
Daily  
(1) 7:20–8:35 (Lowers)  
(2) 8:45–10:00 (Summersgill)  
(3) 10:10–11:25 (Langhans)

S 101C COMPOSITION (3)  
Leib, Topham  
(2 sections)  
Principles and practice of composition—expository forms including a research project. Second semester. Prerequisite: English 101.  
Daily  
(1) 7:20–8:35 (Leib)  
(2) 8:45–10:00 (Topham)

S 150 MAJOR WORKS OF ENGLISH LITERATURE (3)  
Bouslog  
From the middle ages to 1800; an introductory course for sophomores.  
Daily 8:45–10:00

S 150C MAJOR WORKS OF ENGLISH AND AMERICAN LITERATURE (3)  
Green  
From 1800 to the present; an introductory course for sophomores. Second semester.  
Daily 8:45–10:00

S 155 TYPES OF EUROPEAN AND AMERICAN LITERATURE (3)  
Stempel  
Poetry, drama, essays, and prose fiction from the sixteenth century to the present. A required course for sophomores in applied science, agriculture, and business administration.  
Daily 7:20–8:35

S 208 INTRODUCTION TO POETRY (2)  
Maney  
Analysis of selected English and American poems of the past and present, with emphasis on problems of communication and appreciation; a course in practical criticism.  
Daily 9:10–10:00

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S 217  THE SHORT STORY  (2)  Leib
A reading survey covering the development of the short story in English from Poe to the present.
Daily 10:35–11:25

S 240  HISTORY OF LITERARY CRITICISM  (2)  Stempel
Chief theories of literary criticism, with readings (in English) from Plato to the present; experience in practical criticism included.
Daily 9:10–10:00

S 263  LITERATURE OF THE PACIFIC  (3)  Stroven
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 Nordhoff and Hall.
Daily 8:45–10:00

S 277  SHAKESPEARE  (2)  Green
Development of Shakespeare as tragic dramatist; detailed study of Hamlet, Othello, King Lear, Macbeth, Antony and Cleopatra; rapid reading of other plays.
Daily 10:35–11:25

S 281  CLASSICISM AND PREROMANTICISM  (3)  Friederich
Classicism and Preromanticism in western European literature, with emphasis on French Classicism (Racine, Moliere) and French Enlightenment (Voltaire) in the struggle against English Preromanticism and the German Sturm und Drang. The readings may be done in translation.
Daily 11:35–12:50

S 282  THE ROMANTIC MOVEMENT IN ENGLAND  (2)  Bouslog
Poetry and prose from 1780–1832, exclusive of the novel, with emphasis on Burns, Wordsworth, Byron, Keats, Hazlitt.
Daily 10:35–11:25

S 287  MODERN EUROPEAN DRAMA  (2)  Langhans
European Drama, 1880-1920, from Ibsen and Chekhov to Shaw.
Daily 12:00–12:50

S 289  CONTEMPORARY AMERICAN LITERATURE  (2)  Summersgill
Representative works of the leading American writers since 1900, with emphasis on Hemingway, Faulkner, Wolfe, Cozzens, Frost.
Daily 12:00–12:50

S 311  SEMINAR: COMPARATIVE EUROPEAN LITERATURE  (2)  Friederich
Problems and methods in comparative literature; growth of scholarship since 1800; bibliography; modes of investigation.
M W F 8:45–10:00

French

S 100  ELEMENTARY FRENCH  (3)  Gill
An intensive course in reading, writing, and conversation, with additional oral practice in the language laboratory; the equivalent of a full semester’s work in the academic year. One hour of lab drill daily is required. Lab fee $1.00. First 5-week term: June 22–July 24.
Daily 11:00–12:50  Laboratory, daily 8:10–9:00, or 9:10–10:00
S 100C ELEMENTARY FRENCH (3) Gill
Continuation of S 100; the equivalent of the second semester's work in the academic year. Students completing this course with a passing grade may take Intermediate French. One hour of lab drill daily is required. Lab fee $1.00. Second 5-week term: July 27–August 28.
Daily 11:00–12:50 Laboratory, daily 8:10–9:00, or 9:10–10:00

S 101 INTERMEDIATE FRENCH (3) Chirol
Reading, conversation, dictation. Lab drill; the equivalent of a full semester's work in the academic year. Prerequisite: one year of college or two years of high school French. One hour of lab drill daily is required. Lab fee $1.00. First 5-week term: June 22–July 24.
Daily 8:10–10:00 Laboratory, daily 10:15–11:10, or 11:15–12:10, or 12:15–1:10

S 101C INTERMEDIATE FRENCH (3) Chirol
A continuation of S 101; the equivalent of the second semester's work in the academic year. Students passing this course will have fulfilled the college language requirement. Prerequisite: French 101, or with special consent three years high school French. One hour of lab drill daily is required. Lab fee $1.00. Second 5-week term: July 27–August 28.
Daily 8:10–10:00 Laboratory, daily 10:15–11:10, or 11:15–12:10, or 12:15–1:10

Geography

S 151 ECONOMIC GEOGRAPHY (3) C. L. White
Analysis of the world's major agricultural, industrial, and commercial regions and their interconnecting trade routes. Course fee $1.00.
Daily 10:10–11:25

S 252 GEOGRAPHY OF NORTH AMERICA (2) C. L. White
Regional geography of Anglo-America. Geographic aspects of the historic and economic development of the continent. Course fee $1.00.
Daily 7:45–8:35

S 260 GEOGRAPHY OF HAWAII (2) Pili naia
A study of the physical, economic, and cultural geography of the Hawaiian Islands with emphasis on current land utilization and settlement patterns and their historical development from the pre-European era to the present. Students to purchase their own maps for classwork. Field trip (airplane) fee $5.00.
Daily 9:10–10:00

German

S 100 ELEMENTARY GERMAN (3) Ramler
An intensive course in reading, grammar, conversation, and writing; additional oral drill in laboratory; equivalent of a full semester's work in the academic year. Lab fee $1.00. First 5-week term: June 22–July 24.
Daily 11:00–12:50 Laboratory, daily 8:10–9:00, or 9:10–10:00

S 100C ELEMENTARY GERMAN (3) Ramler
Continuation of S 100; the equivalent of the second semester's work in the academic year. Students completing this course with a passing grade may take German 101 or 102, or both. Lab fee $1.00. Second 5-week term: July 27–August 28.
Daily 11:00–12:50 Laboratory, daily 8:10–9:00, or 9:10–10:00

S 102 INTERMEDIATE: SCIENTIFIC GERMAN (3) Jensen
An intensive course in accurate reading of scientific subjects over a wide range; emphasis on sentence structure and vocabulary building; the equivalent of a full semester's work in the academic year. Prerequisite: one year of college German. First 5-week term: June 22–July 24.
Daily 8:10–10:00
S 102C INTERMEDIATE: SCIENTIFIC GERMAN (3)  
Jenson  
Continuation of S 102; the equivalent of the second semester's work in the academic year. Students passing this course will have completed the college language requirement. Prerequisite: German 102. Second 5-week term: July 27–August 28.  
Daily 8:10–10:00

Government

S 150 INTRODUCTION TO GOVERNMENT (3)  
Lee  
Role of government in modern society. Types and practices of government; processes of political change; citizen participation.  
Daily 10:10–11:25

S 260 INTRODUCTION TO INTERNATIONAL RELATIONS (2)  
Schleicher  
Factors which condition the foreign policy of states: nationalism, imperialism, and power politics. Outstanding problems of world politics.  
Daily 9:10–10:00

S 263 INTERNATIONAL RELATIONS OF THE FAR EAST (2)  
van der Veur  
Rise and fall of eastern Asia and the re-emergence of this area as a pivotal factor in world politics.  
Daily 7:45–8:35

S 273 GOVERNMENT AND POLITICS OF SOUTH AND SOUTHEAST ASIA (2)  
Schleicher  
Analysis of relevant colonial patterns that have conditioned the newly created governmental structures, followed by a study of present developments.  
Daily 10:35–11:25

S 277 HAWAIIAN POLITICS (2)  
Tuttle  
A study of the major political factors evident in Hawaii since World War II; the organization and functions of Hawaii's parties.  
Daily 10:35–11:25

S 283 PERSONNEL ADMINISTRATION (2)  
Tuttle  
Organization and administration of civil service systems; recruitment, classification, discipline, and status of civil servants. Prerequisite: Government 282.  
Daily 12:00–12:50

S 289 POLITICAL THEORY: MAJOR CONCEPTS (3)  
Lee  
Analysis of some of the major concepts of political theory; their statement by the major political philosophers.  
Daily 7:20–8:35

Health and Physical Education

An activities and locker fee of $3.00 is assessed and a medical clearance is required for all courses listed below except HPE S 230.

S 110 SWIMMING FOR BEGINNERS (1)  
Asato  
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.  
Daily 8:00–8:50
S 111  INTERMEDIATE SWIMMING (1)  Asato, Gustuson
(2 sections)
For students who have met the basic requirements in swimming and desire to develop additional skills in swimming and diving. Emphasis is placed largely on mastering leg and arm stroking movements.
Daily 9:00-9:50 (Gustuson)
10:00-10:50 (Asato)

S 112  ADVANCED SWIMMING (1)  Asato
For students who have met the basic and intermediate requirements in swimming and desire to develop additional skills in swimming and diving. Styles of swimming are mastered and emphasis is placed on co-ordination of parts into whole strokes for the purpose of developing ease, endurance, and versatility in the water. Prerequisite: consent of instructor.
Daily 11:00-11:50

S 118  TRAMPOLINE (1)  Gustuson
History, principles, and methods, safety procedures; tumbling and trampoline exercises.
Daily 11:00-11:50

S 119  BOARD SURFING (1)  Gustuson
Lectures and demonstrations at U.H. Pool, followed by lessons in actual surfing at Waikiki Beach. Prerequisite: ability to swim 100 yards, or consent of instructor.
Daily 12:00-12:50

S 124  DANCES OF HAWAII (1)  Beamer, Gay, Sharpe
(12 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. For certain advanced dances, a fee of $4.00 may be assessed for purchase of appropriate stones and bamboo sticks (puili).
Daily (1) 8:00-8:50 (Beamer) Gym
(2)  (Gay) Dance Studio
(3)  (Sharpe) UHS Gym
(4) 9:00-9:50 (Beamer) Gym
(5)  (Gay) Dance Studio
(6)  (Sharpe) UHS Gym
(7) 10:00-10:50 (Beamer) Gym
(8)  (Gay) Dance Studio
(9)  (Sharpe) UHS Gym
(10) 11:00-11:50 (Beamer) 501
(11)  (Gay) Dance Studio
(12)  (Sharpe) UHS Gym

S 126  GOLF FOR BEGINNERS (1)  Chui
(2 sections)
Study of basic skills and fundamentals of golf.
Daily 9:00-9:50
10:00-10:50

S 128  ADVANCED GOLF (1)  Chui
For those interested in developing advanced skills in golf.
Daily 11:00-11:50

S 221  PHYSICAL EDUCATION IN ELEMENTARY SCHOOL (2)  O'Brien
Content and method for programs on the elementary school level. Adaptations to meet situations with like age groups outside school will also be discussed.
Daily 11:00-12:30
S 230 SCHOOL HEALTH PROBLEMS (2) O'Brien
Health needs of the school child and principles, methods, and materials applicable to the school health program.
Daily 9:10–10:00

History

S 100 WORLD CIVILIZATION (3) Marder
A survey of the more significant political, social, economic, and intellectual factors in the development of the civilizations of the world from the ancient Middle East, Greece and Rome in the West, and the ancient cultures of China, Japan, and India in the East to the seventeenth century. First 5-week term: June 22–July 24.
Daily 8:30–10:00

S 100C WORLD CIVILIZATION (3) Ernest
Continuation of the history of world civilization from the seventeenth century to the present day. Second 5-week term: July 27–August 28.
Daily 8:30–10:00

S 110 INTRODUCTION TO AMERICAN HISTORY (3) Cowing
A general survey of the evolution of America from Columbus' voyages to the present, emphasizing the political, intellectual, and social forces that have operated and that continue to guide the nation in the twentieth century.
Daily 8:45–10:00

S 201C HISTORY OF THE FAR EAST (2) White
Survey of the political, social, and economic history of the Far East in modern times. The course will emphasize the internal history of the principal civilizations of the Far East and their reaction to the introduction of Western civilization.
Daily 12:00–12:50

S 214 RUSSIA SINCE 1850 (2) White
Imperial and Soviet Russia from the Crimean War to the present; economic and social developments; revolutionary movements; Soviet domestic and foreign policies and their implications for the recent and current world.
Daily 10:35–11:25

S 230 INDIA, PAKISTAN, AND CEYLON (2) Talbot
General historical survey of South Asia from earliest times to the present.
Daily 10:35–11:25

S 233 EUROPE IN THE LATE MIDDLE AGES 1000–1300 A.D. (2) Ernest
Development of the institutions of Modern Europe; stress on thought and education; the revival of urban economy; the development of representative institutions; the role of feudalism in preparing the way for the national monarchy.
Daily 10:35–11:25

S 258 EUROPE SINCE VERSAILLES (2) Marder
Settlements of the First World War; political, economic, social, cultural, and international developments of the inter-war period; the rise of dictatorships, particularly of the Fascist, Nazi, and Communist states; the new states of the Middle East; the Second World War and its aftermath of new divisions in Europe, of efforts to unite and of recurring crises.
Daily 10:35–11:25
5260 AMERICAN SOCIAL REFORM MOVEMENTS SINCE 1865 (2) Cowing
The story of the men who wanted to alter American life, and the organizations they founded. A consideration of reformers of various political complexions, from Henry George to Joseph McCarthy, and of groups as diverse as the Anti-Immigration League and Americans for Democratic Action.
Daily 12:00-12:50

5262 JACKSONIAN DEMOCRACY (2) Franklin
A critical examination of the social, economic, and political problems between 1824 and 1845, with particular emphasis on the movement for reform and the relationship of the Jacksonians to that movement.
Daily 9:10-10:00

5263 CIVIL WAR AND RECONSTRUCTION (2) Franklin
An intensive survey of the war and its aftermath, with particular attention given to the nonmilitary aspects of the war and the social and economic problems involved in reconciliation and reconstruction.
Daily 10:35-11:25

5276 HISTORY OF THE HAWAIIAN ISLANDS (2) Hunter
Hawaii in the Pacific: Its people, customs, relations with the great powers. Emphasis on the period of the monarchy, the revolution and annexation, but with some attention to territorial problems and statehood.
Daily 9:10-10:00

Home Economics

5HE 262 EDUCATION FOR FAMILY LIFE (3) Sidwell
The individual's contribution to successful family living. Courtship, engagement, and relationships within the family. Emphasis upon analysis of personal problems. Open to both men and women.
Daily 8:45-10:00

5HE 374 CURRICULUM DEVELOPMENT IN FOODS AND CHILD DEVELOPMENT (3) Holmblade
Designed primarily for homemaking teachers in Hawaii. Emphasis will be on the preparation of resource units in the areas of foods and child development. Course will be coordinated with the Department of Public Instruction's curriculum development program and directed toward publication of a series of curriculum bulletins. Prerequisite: consent of department chairman. First three weeks of summer session. Full-time program.
Daily 8:30-3:00

5HS 210 FOODS OF THE PACIFIC (3) Mural, Bartow
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. Trips to food markets and factories will be arranged if desired. One 2-hour lecture period and two 2½ hour laboratory periods weekly. Prerequisite: Home Economics courses in foods or previous experience in food preparation or consent of instructor. Open to men and women. Lab fee: $20.00.
Lecture, M 10:30-12:20 Laboratory, T Th 10:10-12:50
W F 10:10-12:50

Industrial Arts

5103 MACHINE WOODWORKING (3) Takasaki
Basic elements in nomenclature, setup and operation of power equipment. Working drawings, bills of material, and routing procedures; use of patterns, jigs, and templates. Materials fee $10.00.
Daily 7:45-10:15, Stevenson Intermediate School
S 200 ELECTRICITY I, ESSENTIALS OF ELECTRICITY (3)  Zane
Static electricity, current electricity, cells and batteries, series and parallel circuits, electric
power, magnetism and electromagnetism, measuring instruments, alternating current prin-
ciples, generator and motor principles, and rectification of alternating current. Materials fee
$10.00.
Daily 1:00–3:30, McKinley High School

Japanese

S 100 ELEMENTARY JAPANESE (3)  Fujioka
An intensive course in reading, writing, and conversation with additional oral practice in
the language laboratory; the equivalent of a full semester's work in the academic year. One
hour of lab drill daily is required. Lab fee $1.00. First 5-week term: June 22–July 24.
Daily 8:00–10:00 Laboratory, daily 10:15–11:10
        11:15–12:10
        12:15–1:10

S 100C ELEMENTARY JAPANESE (3)  Fujioka
Continuation of S 100; the equivalent of the second semester's work in the academic year.
Students completing this course with passing grade may take Intermediate Japanese. One
hour of lab drill daily is required. Lab fee $1.00. Second 5-week term: July 27–August 28.
Daily 8:00–10:00 Laboratory, daily 10:15–11:10
        11:15–12:10
        12:15–1:10

S 101 INTERMEDIATE JAPANESE (3)  Uyehara
Reading and translation; practical conversational exercises and analytical study of more
Chinese characters; the equivalent of a full semester's work in the academic year. First
5-week term: June 22–July 24.
Daily 8:00–10:00

S 101C INTERMEDIATE JAPANESE (3)  Uyehara
Continuation of S 101; the equivalent of the second semester's work in the academic year.
Students passing this course will have fulfilled the college language requirement. Second
5-week term: July 27–August 28.
Daily 8:00–10:00

Library Science

S 261 THE LIBRARY IN TEACHING (2)  Crawford
A course for classroom teachers and prospective teachers in the use of the library in class-
room instruction; use of school and public library resources; teaching library skills to pupils.
Daily 10:35–11:25

S 265 SCHOOL LIBRARY ADMINISTRATION (3)  Crawford
Principles and objectives of school library services; administrative techniques and educa-
tional duties of librarians. Lectures, discussions, and laboratory work on practical problems.
Daily 8:45–10:00

Mathematics

S 140 MODERN MATHEMATICS (4)
Introduction to sets, modern algebra, and probability. Designed primarily for students
enrolled in the Institute for Science and Mathematics Teachers. Prerequisite: consent of the
Director of the Institute.
Daily 10:10–11:40 Two 2-hour laboratory hours arranged
S 149  INTERMEDIATE ALGEBRA (3)  
Daily 7:20–8:35  
Young

S 150  PLANE TRIGONOMETRY (3)  
Prerequisite: two years of high school algebra or Mathematics 149; one year of plane geometry. No credit if taken after Mathematics 152.  
Daily 8:45–10:00  
Young

S 151  COLLEGE ALGEBRA (3)  
(2 sections)  
Prerequisite: two years of high school algebra or Mathematics 149; one year of plane geometry.  
Daily 7:20–8:35  
8:45–10:00  
Davis

S 152  PLANE ANALYTICAL GEOMETRY (3)  
(2 sections)  
Prerequisite: Mathematics 150; credit or concurrent registration in Mathematics 151.  
Daily 7:20–8:35  
8:45–10:00  
Siu

S 153  DIFFERENTIAL CALCULUS (3)  
(2 sections)  
Prerequisite: Mathematics 152.  
Daily 7:20–8:35  
8:45–10:00  
Townes

S 154  INTEGRAL CALCULUS (3)  
Prerequisite: Mathematics 153.  
Daily 8:45–10:00  
Tatsuoka

S 155  CALCULUS APPLICATIONS (3)  
Includes partial differentiation, multiple integration, and elementary differential equations.  
Prerequisite: Mathematics 154.  
Daily 11:35–12:50  
Gregory

S 252  DIFFERENTIAL EQUATIONS (3)  
Theory and application of ordinary differential equations. Prerequisite: Mathematics 155.  
Daily 10:10–11:25  
Gregory

The Waikiki Aquarium, administered by the University, has a superb collection of subtropical fish, including the fish with a name longer than itself, the humuhumunukunukuapua'a.
Medical Technology

S 266 MEDICAL TECHNOLOGY (4)  
Kagawa  
Student technician training in a co-operating laboratory under the supervision of a qualified director. Prerequisite: Bacteriology 262, 264.  
Hrs. arr.

Military Science

S 255 SUMMER CAMP (2)  
Staff  
A camp training period to supplement the instruction previously received by students in MS 100, 150, and 200. Applicative training in military subjects to include weapons firing, field combat problems, physical training, and other general military subjects which are necessary to qualify the student for appointment in the Army Reserve or the Regular Army. Camp attendance is required between Military Science 200 and 250 unless deferment is authorized.

Music

S 106 GROUP VOICE INSTRUCTION (1)  
Vine  
Basic principles of voice production and elementary music skills in classes of twenty.  
Daily 7:45-8:35

S 110 MUSIC APPRECIATION (3)  
Vaught  
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.  
Daily 11:35-12:50

S 140 RECREATIONAL MUSIC (2)  
Staff  
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.  
Daily 9:10-10:00

S 142 JAPANESE DANCE (1)  
Staff  
Introduction to Japanese dance, folk and traditional. Background, demonstration, and participation.  
Daily 7:45-8:35

S 150 ELEMENTARY MUSICIANSHP (3)  
Brown  
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.  
Daily 9:10-10:00

S 159 INSTRUMENTAL MUSIC (2)  
Vaught  
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.  
Daily 10:35-11:25

S 209 UNIVERSITY CHORUS (1)  
Staff  
Daily 12:00-12:50

S 211 ENSEMBLE MUSIC (1)  
Staff  
Vocal (A, opera workshop; B, University singers), string, woodwind, brass, and keyboard instrumental ensembles. May be repeated. Prerequisite: consent of instructor.  
Hrs. arr.
S 230 MUSIC OF THE FAR EAST (3) B. Smith
Introduction to the folk and traditional music of Asia. Recordings, demonstrations, pictures, etc. Fee $3.00.
Daily 8:45-10:00

S 251 MUSIC, ELEMENTARY CURRICULUM (2) Gillett
Organization and direction of music in childhood experience. Materials and procedures. Grades 1, 2, 3. Prerequisite: Music 150.
Daily 7:45-8:35

S 254 PACIFIC AND ASIAN MUSIC IN EDUCATION (2) B. Smith, Gillett
Songs, dances, musical instruments of Hawaii and Asia, for grades 4, 5, 6. Prerequisite: Music 150, 251, 252, or consent of instructors.
Daily 10:35-11:25

Applied Music

Students who wish to register for Applied Music courses must see the chairman of the Music Department before registration takes place.

S 101(1) CLASS INSTRUCTION (1) Staff
Class instruction in piano. Two lessons per week. Practice facilities in Music Building. Course fee $20.00.
Hrs. arr.

S 101(2) CLASS INSTRUCTION (1) Staff
Class instruction in voice. Two lessons per week. Practice facilities in Music Building. Course fee $20.00.
Hrs. arr.

S 101(3) CLASS INSTRUCTION (1) Staff
Class instruction in string instruments. Two lessons per week. Practice facilities in Music Building. Course fee $20.00.
Hrs. arr.

S 101(4) CLASS INSTRUCTION (1) Staff
Class instruction in woodwind instruments. Two lessons per week. Practice facilities in Music Building. Course fee $20.00.
Hrs. arr.

S 101(5) CLASS INSTRUCTION (1) Staff
Class instruction in brass instruments. Two lessons per week. Practice facilities in Music Building. Course fee $20.00.
Hrs. arr.

S 101(6) CLASS INSTRUCTION (1) Staff
Class instruction in percussion instruments. Two lessons per week. Practice facilities in Music Building. Course fee $20.00.
Hrs. arr.

S 102(1, 2, 3, 4, 5, 6) CLASS INSTRUCTION (1) Staff
Class instruction in piano, voice, strings, brass, and percussion. Course fee $20.00. Practice facilities in Music Building. Two lessons per week.
Hrs. arr.

S 105(1, 2, 3, 4, 5, 6, 7) INDIVIDUAL INSTRUCTION Staff
Piano, organ, voice, or orchestral instruments. For nonmusic majors, or music majors who intend it as a secondary medium of performance. May be repeated. Course fee $55.00.
Hrs. arr.
S 149, 169, 249, 269, 349 INDIVIDUAL INSTRUCTION Staff
Individual instruction in piano, voice, string, woodwind, brass, percussion, organ. Course number assigned after auditions with Music Department staff members. Course fee $55.00. Hrs. arr.

Nursing

S 210 TUBERCULOSIS NURSING (6) Uyeda
(2 sections)
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. Eight weeks. Registration in this course is restricted to students in the School of Nursing except by special permission. Hrs. arr.

S 290 FIELD WORK IN PUBLIC HEALTH NURSING (6) Tamashiro
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 in the School of Nursing. Eight weeks. Hrs. arr.

Philosophy

S 100 INTRODUCTION TO PHILOSOPHY (3) Nagley
The problems, methods, and fields of philosophy.
Daily 8:45-10:00

S 200 ETHICS (2) Nagley
Relevance of the major theories of the good life to the process of decision making.
Daily 12:00-12:50
The following courses are to be taught by distinguished visiting professors attending the East-West Philosophers' Conference.

S 270 INTRODUCTION TO INDIAN PHILOSOPHY (2)
Philosophical systems and movements in India; the Vedas, Upanishads, Six Systems of Hinduism, Charvaka, Jainism, and Buddhism.
Daily 7:45-8:35

S 271 INTRODUCTION TO CHINESE PHILOSOPHY (2)
Historical survey of the important philosophical schools and tendencies in China, ancient and modern.
Daily 10:35-11:25

S 283 INTRODUCTION TO BUDDHIST PHILOSOPHY (2)
Survey of the basic doctrines and schools of Buddhist philosophy in Southeast Asia, China, and Japan.
Daily 9:10-10:00

S 290 COMPARATIVE ETHICS AND SOCIAL PHILOSOPHY (2)
Comparative study of fundamental principles, problems, and types of ethical and social theory in East and West.
Daily 7:45-8:35

S 291 COMPARATIVE LEGAL AND POLITICAL PHILOSOPHY (2)
Comparative study of fundamental principles, problems, and types of legal philosophy in East and West.
Daily 9:10-10:00

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Photography

S 100 PRINCIPLES OF PHOTOGRAPHY (2) Hayashi
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; filters and their use; processing of films; printing by contact and projection. Lectures; demonstrations. Students are required to have their own cameras. Course fee $1.00.
M W F 1:00–2:15

Physics

S 120 INTRODUCTION TO MODERN PHYSICS (3) Miyake
An introduction to basic concepts, and a review of fundamentals and recent developments in physics. Designed primarily for students enrolled in the Institute for Science and Mathematics Teachers. Prerequisite: consent of the Director of the Institute.
Daily 9:10–10:00 Laboratory, T Th 1:00–4:00

S 280 A SURVEY OF MODERN PHYSICS (3) Chang
An introductory treatment of the quantization of energy and the atomicity of matter. Prerequisite: Mathematics 154; Physics 102 or 104.
Daily 7:20–8:35

Psychology

Psychology 150, 156, or the equivalent is prerequisite to all psychology courses listed below.

S 150 GENERAL PSYCHOLOGY (4) Kalish
A survey of the facts and principles fundamental to human behavior and experience. Individual differences, personality, motivation, emotion, sensing, perceiving, learning, and thinking. Not open to those who have had Psychology 156. Lecture and laboratory. Lab fee $1.00.
Daily 8:45–10:00 Laboratory, M W 10:10–12:00 1:30–3:20

S 185 PSYCHOLOGY OF INFANCY AND CHILDHOOD (3) Sears
Principles basic to the normal development of the infant and child; emphasis upon physical, emotional, intellectual, and social development.
Daily 8:45–10:00

S 186 PSYCHOLOGY OF ADOLESCENCE AND MATURITY (2) Kalish
Developmental characteristics during preadolescent, adolescent, and adult years; emphasis upon physical, emotional, intellectual, and social factors and changes.
Daily 7:45–8:35

S 191 PSYCHOLOGY OF ADJUSTMENT (3) Arkoff
Understanding and improving personal adjustment. Adjustment in family, school, vocation, sex, marriage, and later maturity.
Daily 11:35–12:50
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Description</th>
<th>Lectures</th>
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</thead>
<tbody>
<tr>
<td>S 254</td>
<td>PRINCIPLES OF GUIDANCE (3)</td>
<td>Mathewson</td>
<td>Psychological bases; methods and scope of educational, vocational, and personal guidance.</td>
<td>Daily 11:35-12:50</td>
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<tr>
<td>S 255</td>
<td>EDUCATIONAL PSYCHOLOGY (3)</td>
<td>Dole, Livesay</td>
<td>Major factors of learning and mental health as they apply to the educative process.</td>
<td>Daily 8:45-10:00 (Livesay) 10:10-11:25 (Dole)</td>
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<tr>
<td>S 260</td>
<td>STATISTICAL TECHNIQUES (3)</td>
<td>Digman</td>
<td>Use of statistical techniques in psychological problems; measures of central value and variability; graphic methods; correlation; reliability of measures; tests of significance.</td>
<td>Daily 7:45-8:35</td>
</tr>
<tr>
<td>S 272</td>
<td>PSYCHOLOGY OF LEARNING (2)</td>
<td>Digman</td>
<td>A study of the major conditions influencing learning and forgetting; the role of motivation, rewards, and practice; theoretical interpretations of the learning process.</td>
<td>Daily 10:35-11:25</td>
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<tr>
<td>S 280</td>
<td>SOCIAL PSYCHOLOGY (2)</td>
<td>Vinacke</td>
<td>Psychology of human relations; psychological factors that determine the behavior of an individual in his social relationships.</td>
<td>Daily 9:10-10:00</td>
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<tr>
<td>S 283</td>
<td>PSYCHOLOGY OF PERSONALITY (3)</td>
<td>Vinacke</td>
<td>The development of personality; components of personality; critical evaluation of research on various aspects of personality.</td>
<td>Daily 10:10-11:25</td>
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<tr>
<td>S 293</td>
<td>PSYCHOLOGY OF EXCEPTIONAL CHILDREN (2)</td>
<td>Crowell</td>
<td>Evaluation of physical, emotional, and intellectual deviations and their effects upon the growth and development of children.</td>
<td>Daily 10:35-11:25</td>
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<tr>
<td>S 295</td>
<td>ABNORMAL PSYCHOLOGY (3)</td>
<td>Crowell</td>
<td>The nature and causes of psychoneuroses and psychoses; abnormalities of intelligence; incipient abnormal traits manifested in everyday life; psychotherapy.</td>
<td>Daily 8:45-10:00</td>
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<tr>
<td>S 321</td>
<td>GENERAL SEMINAR (2)</td>
<td>Tatsuoka</td>
<td>Study and discussion of mathematical models for learning; a survey of works in areas of mathematics and psychology toward establishing a deductive system of learning theory.</td>
<td>Daily 7:45-8:35</td>
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<tr>
<td>S 322a</td>
<td>SEMINAR IN PROBLEMS OF PSYCHOLOGY (2)</td>
<td>Sears</td>
<td>Socialization of the child.</td>
<td>Daily 12:00-12:50</td>
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<tr>
<td>S 351</td>
<td>ADVANCED EDUCATIONAL PSYCHOLOGY (3)</td>
<td>Bitner</td>
<td>Application of experimental evidence in psychology to major educational problems; the bearing of recent psychological theories upon education.</td>
<td>Daily 11:35-12:50</td>
</tr>
<tr>
<td>S 362</td>
<td>INDIVIDUAL INTELLIGENCE TEST TECHNIQUES (2)</td>
<td>Arkoff</td>
<td>Practice in individual tests such as the Stanford-Binet and Wechsler. Prerequisite: Psychology 264 and consent of instructor. Lab fee $5.00.</td>
<td>Daily 9:10-10:00</td>
</tr>
</tbody>
</table>
Religion

S 151 RELIGION AND THE MEANING OF EXISTENCE (2)  Aoki
An introduction to the basic ideas and issues of contemporary religious thought as they are related to the question, "What is the meaning of existence?" Among the issues to be discussed are the meaning of man's search for himself; the nature of man; the content of such basic concepts as God, faith, estrangement, and reconciliation.
Daily 9:10–10:00

S 250 THE LIVING RELIGIONS OF HAWAII (2)  Aoki
A comparative study of the basic beliefs, practices, and contributions of the religious forces most significant in Hawaii today, including Buddhism, Shinto, Confucianism, Taoism, Judaism, and Christianity.
Daily 10:35–11:25

Science

S 201 PRACTICAL ASTRONOMY (2)  Bryan
Fundamentals of visual astronomy: the apparent movements and location of heavenly bodies, including the sun, moon, planets, and stars. Facts about the solar system: the sun, planets, their moons, comets, meteors; eclipses and how they are foretold; how the solar system may have been formed. Main facts about the stars: their number, magnitude, distance, brightness, color, temperature, size, and movements; variable stars. Our galaxy and other galaxies which make up an expanding universe. Star charts and how to use them. Practical uses of astronomy, especially in the calendar, time, mapping, and navigation. Astronomical observatories, ancient and modern, and the tools they use. Polynesian astronomy and how Pacific islanders have made practical use of the apparent position of the heavenly bodies. How astronomical knowledge has grown and what has been written about the subject.
Daily 10:35–11:25

Social Work

S 200 THE FIELD OF SOCIAL WORK (2)  Jambor
A nonprofessional orientation course intended to acquaint the student with the philosophy, scope, and aims of social work. Prerequisite: junior standing.
Daily 9:10–10:00

S 301 PARENT-CHILD RELATIONSHIPS (3)  Schour
Study of parent-child relationships in terms of current knowledge about their importance in the development of the child's character. For teachers, nurses, social workers, and qualified undergraduates.
Daily 8:00–10:30  July 13–31

S 376 FAMILY CENTERED CASEWORK (2)  Schour
Current concepts of family diagnosis and the formulation of treatment plans in relation to the needs of the family. Prerequisite: Master of social work degree or equivalent.
Daily 3:00–5:00  July 13–31

Sociology

S 151 INTRODUCTION TO THE STUDY OF SOCIETY (3)  Bartos
An orientation course. The basic social relationships and the corresponding social structures.
Daily 11:35–12:50
Field trips to Oriental temples and shrines are made by students in the course, *Hawaii and Its People*. Schools, business and industrial centers, plantations, and mills are visited also, as well as American and Oriental newspaper plants, hospitals, and other institutions.

**S 250 COMMUNITY FORCES IN HAWAII (3)**
Lind

The basic factors and forces operating in contemporary society, with special attention to Hawaii. An orientation course designed for students planning careers in teaching, vocational home economics, recreation, public health, medicine, and other professions. Not open to students majoring in Sociology except by consent of instructor.
Daily 8:45–10:00

**S 256 RACE AND CULTURE CONTACTS IN HAWAII (2)**
Lind

The dominant conceptions of race and race relations in Hawaii, and an analysis of the principal factors affecting them. Problems of culture contacts in a commercial and plantation frontier.
Daily 10:35–11:25

**S 259 PEOPLE AND INSTITUTIONS OF JAPAN (2)**
Yamamoto

Social change in the institutional patterns and attitudes of different social classes in Japan, with special attention to the accelerated change since World War II.
Daily 10:35–11:25

**S 260 THE AMERICAN NEGRO (3)**
Johnson

A case study of the dominant problem of race relations in continental United States. Analysis of forces involved in the desegregation of the American Negro.
Daily 10:10–11:25

**S 261 SMALL GROUP (2)**
Bartos

The formation and organization of groups which involve face-to-face relations between persons. Social processes affecting *esprit de corps* and leadership. Analysis of principal theories, research findings, and practical applications.
Daily 9:10–10:00

**S 265 CRIMINOLOGY (2)**
Johnson

Daily 7:45–8:35
\section*{S 269 PERSONALITY AND CULTURE (3)} \hspace{2cm} Yamamoto

The origin and development of personality as a subjective aspect of culture; the function of communication; human nature and the mores; personal life organization. 
Daily 7:20-8:35

\section*{S 356 HAWAII AND ITS PEOPLE (5)} \hspace{2cm} Yamamura

Ecological, demographic, and cultural factors in the development of the modern Hawaiian community; analysis of factors affecting the definitions of race and race relations in Hawaii; institutional structure and function with special reference to the influences of native and immigrant institutions on contemporary life in Hawaii. Prerequisite: Sociology 151 or equivalent. Field trip fee $9.00. 
Daily 9:10-11:25 Field trips arranged

\section*{Spanish}

\section*{S 100 ELEMENTARY SPANISH (3)} \hspace{2cm} Roth

An intensive course in reading, grammar, conversation, and writing; additional oral drill in laboratory; equivalent of a full semester's work in the academic year. Lab fee $1.00. First 5-week term: June 22-July 24.
Daily 8:10-10:00 Laboratory, daily 10:15-11:10
11:15-12:10
12:15-1:10

\section*{S 100C ELEMENTARY SPANISH (3)} \hspace{2cm} Kieslich

Continuation of S 100; the equivalent of the second semester's work in the academic year. Students completing this course with a passing grade may take Intermediate Spanish. Lab fee $1.00. Second 5-week term: July 27-August 28.
Daily 8:10-10:00 Laboratory, daily 10:15-11:10
11:15-12:10
12:15-1:10

\section*{Speech}

\section*{S 100 FUNDAMENTALS OF SPEECH (1)} \hspace{2cm} Klopf

(2 sections)
Communication for social interaction. Speech production, organization of ideas; training for mastery of speech standards. Conferences required. Course fee $1.00.
Daily 7:45-8:35
9:10-10:00

\section*{S 105 SOUNDS OF ENGLISH FOR PROSPECTIVE TEACHERS (1)} \hspace{2cm} Bilsborrow, Hervey

(4 sections)
Sounds and rhythms of General American speech. Techniques for correction of pronunciation and improvement of rhythm. Course fee $1.00.
Daily 7:45-8:35 (Bilsborrow)
9:10-10:00 (Bilsborrow)
10:35-11:25 (Bilsborrow)
10:35-11:25 (Hervey)

\section*{S 150 PUBLIC SPEAKING (2)} \hspace{2cm} Fest, Hoshor, Linn, Klopf

(4 sections)
Basic principles of speech composition and delivery; preparation and delivery of speeches with attention to principles studied; special assistance with individual problems.
Daily 7:45-8:35 (Linn)
9:10-10:00 (Hoshor)
10:35-11:25 (Fest)
12:00-12:50 (Klopf)
S 220 PHONETICS (3)  
American English pronunciation with attention to Hawaii’s linguistic background. Articulation, standards of pronunciation, dialect study, teaching of speech.  
Daily 10:10–11:25

S 265 SPEECH FOR THE CLASSROOM TEACHER (3)  
Fest, Hoshor, Linn, Hervey, Carr  
(5 sections)  
Pedagogy for the classroom teacher. Integration of speech improvement into the curriculum; speech problems in Hawaii. Prerequisite: Speech 105.  
Daily 7:20–8:35 (Fest) secondary  
8:45–10:00 (Hervey) elementary  
8:45–10:00 (Linn) secondary  
10:10–11:25 (Hoshor) secondary  
12:00–12:50 (Carr) elementary

S 298 SPECIAL PROBLEMS (Arr.)  
For speech majors only.  
(1) General speech education;  
(3) Phonetics;  
(5) Forensics, public address;  
(8) Pedagogy.  
Prerequisite: consent of instructor.

S 300 RESEARCH (Arr.)  
For M.A. candidates in speech only. The same fields of study as in Speech 298. Prerequisite: undergraduate major in speech; consent of instructor.

Zoology

S 120 INTRODUCTION TO MODERN ZOOLOGY (3)  
An introduction to basic concepts and a review of fundamentals and recent developments in zoology. Designed primarily for students enrolled in the Institute for Science and Mathematics Teachers. Prerequisite: consent of the Director of the Institute.  
Daily 9:10–10:00  Laboratory, T Th 1:00–4:00

S 191 ELEMENTARY HUMAN ANATOMY AND PHYSIOLOGY (3)  
van Weel  
A general survey of the gross anatomy and physiology of the human body. Lecture-demonstration periods. Lab fee $3.00. Not open to students who have had Zoology 291.  
Daily 8:45–10:00

S 210 HUMAN HEREDITY AND EUGENICS (2)  
J. B. Smith  
The manner of inheritance of human differences as revealed by pedigree analysis, twin studies, and population statistics. Implications of heredity in marriage counseling, medicine, and human welfare.  
Daily 10:35–11:25
EDUCATION PS 214 SPECIAL PROBLEMS IN VOCATIONAL TEACHING (2) Ewing
Special problems in the instructional program resulting from changes in industry locally; shop organization; the development of new or different instructional material. May be repeated with the consent of the instructor and department chairman.
Daily 8:30-10:20

EDUCATION PS 264 ART FUNDAMENTALS FOR THE TEACHER (2) Schuman
Introduction to art media for the teacher, place of art in society and the school, development of art principles through art activity, organization of children's art materials. Studio fee $5.00.

EDUCATION PS 350 HISTORY OF EDUCATION (2) Clopton
Survey of the history of educational thought and practice as a basis for the study of modern school problems.
Daily 8:30-10:20

EDUCATION PS 390 PUBLIC SCHOOL ORGANIZATION (2) Martin
The function of the teacher in school administration; state and territorial organization for administrative control and public education; rights and duties of teachers under Hawaiian school law and D.P.I. regulations; retirement system; teachers' organizations; financing public education.
Daily 10:30-12:20

HPE PS 221 PHYSICAL EDUCATION IN ELEMENTARY SCHOOL (2) Saake
(2 sections)
Content and method for programs on the elementary school level. Adaptations to meet situations with like age groups outside school will also be discussed. Medical clearance is required for this course. Activities and locker fee $3.00.
Daily 8:00-10:30
10:30-12:50

HPE PS 230 SCHOOL HEALTH PROBLEMS (2) O'Brien
Health needs of the school child and principles, methods, and materials applicable to the school health program.
Daily 10:30-12:20

ENGINEERING PS MD 101 MECHANICAL DRAWING (2) Corba
Elements of drafting, sketching, and lettering: isometric, oblique, and orthographic projections; working drawings, conventions, standards, and blueprinting. Lab fee $1.00.
Daily 8:00-12:00
1:00-3:00

SPEECH PS 266 SPEECH FOR THE CLASSROOM TEACHER (2) Breneman
(2 sections)
A shorter course in speech for the classroom teacher, incorporating the most useful principles of speech pedagogy. Special techniques for speech improvement in Hawaii. Special course planned for ATTP students. Prerequisite: Speech 105.
Daily 8:00-10:00
10:00-12:00
ZOOLOGY PS 201 LIFE IN THE SEA (2)  
Hiatt  
A nontechnical account of life in the sea, with special emphasis on aspects of the sea important as background information for school teachers. Movies and frequent field trips to the coral reef and on oceanographic vessels acquaint the student with all aspects of ocean life. Field trip fee $2.00. Daily 8:30–10:20 Trips arranged

Second Postsession

August 24–September 11

ENGINEERING PS CE 227 ROUTE SURVEYING (3)  
Staff  
(4 sections)  
Principally field work; curves, earthwork, grades, reconnaissance, preliminary surveys, route location, and design. Prerequisite: CE 102. Lab fee $3.00. Seven hours daily for three weeks. Daily 8:00–4:00
Regular Session

HILO BRANCH

June 22–July 31

EDUCATION HS 261 TESTS AND MEASUREMENTS (3) Sax
Theory and techniques of evaluation in education; practice in the use of testing devices. Lab fee $1.00. Prerequisite: credit in Education 250, 280, 283–284, or 285–286.

EDUCATION HS 292(22) WORKSHOP IN THE TEACHING OF THE THREE R’S (6) Burrus, Hurley, Ruddell
Two weeks intensive work with each of three different leaders in reading, handwriting, and arithmetic; grades 1–8.

EDUCATION HS 364 TESTS AND INVENTORIES IN GUIDANCE (2) Sax
Tests and inventories for measuring aptitudes, interests, and modes of behavior. Prerequisite: Education 261 or Psychology 264.

ENGLISH HS 101 COMPOSITION (3) Kanemitsu
Principles and practice of composition—expository forms. First semester. For all students qualifying in university entrance examination.

MATHEMATICS HS 149 INTERMEDIATE ALGEBRA (3) Easley

PSYCHOLOGY HS 100 PSYCHOLOGY OF EFFECTIVE STUDY (2) Grinder
Application of psychological principles to effective study. Problems in self-management and college adjustment. Open to freshmen and sophomores only.

SCIENCE HS 210 GEOLOGY AND VOLCANOES OF THE HAWAIIAN ISLANDS (2) Macdonald
A general survey of geologic processes and how they have operated in producing the present landscapes of the Hawaiian Islands. Hawaiian volcanic activity, and how it contrasts with that of other areas; the building of the great Hawaiian volcanic mountains; their sculpture by gravity, streams, waves, winds, and ice; the formation of coral reefs. Illustrated by Hawaiian examples.
M W F 1:00–2:15 p.m. Field trips arranged

MAUI

June 22–July 31

EDUCATION S 292(22) WORKSHOP IN THE TEACHING OF THE THREE R’S (6) Burrus, Hurley, Ruddell
Two weeks intensive work with each of three different leaders in reading, handwriting, and arithmetic; grades 1–8.