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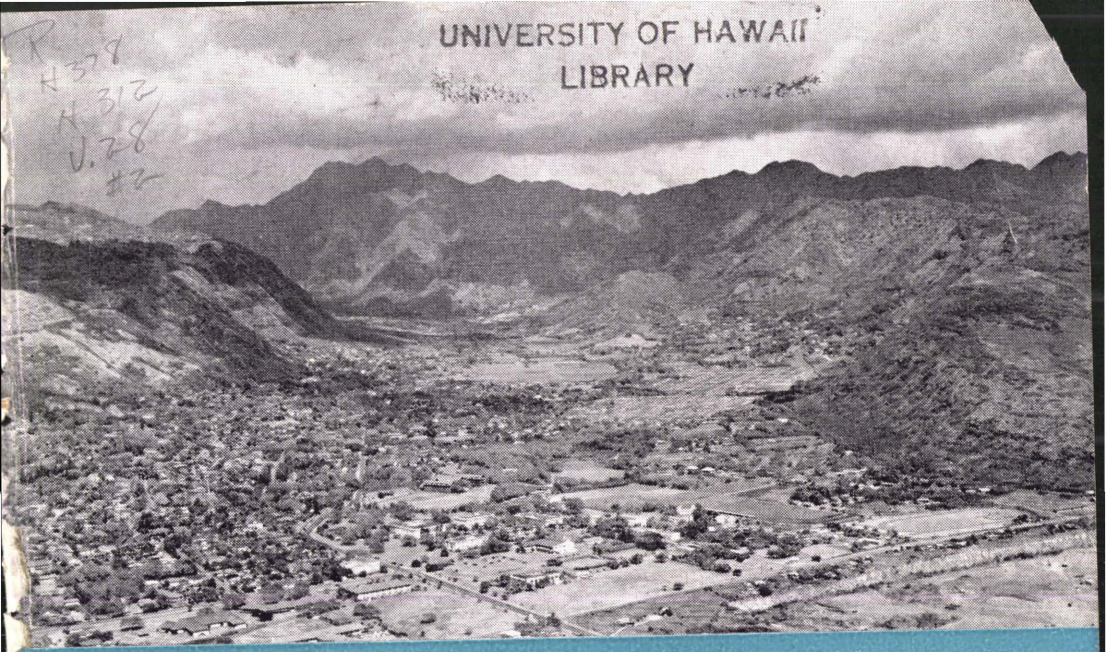

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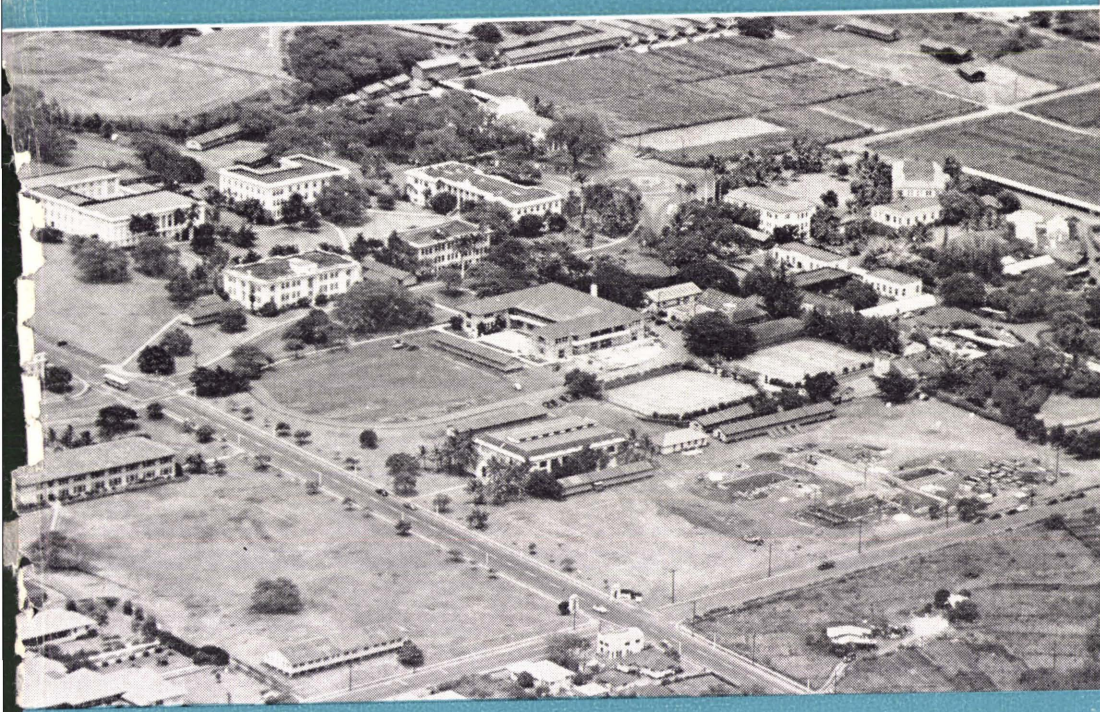

TWENTY - THIRD ANNUAL SUMMER SESSION

JUNE 20 TO JULY 29, 1949

SUMMER SESSION CALENDAR
1949

June 20, Monday	Registration
June 21, Tuesday	Classes begin
July 4, Monday	Holiday
July 29, Friday	Session ends

The Cover.—The top picture shows the University in the foreground, Manoa Valley and the Koolau Range in the background. The bottom picture shows a close-up of the University; lower left, Teachers College; center, main campus; right, agricultural experimental plots.

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THE 1949 SUMMER SESSION

ADMINISTRATIVE STAFF

GREGG M. SINCLAIR, M.A. . . . . President of the University
KARL C. LEEBRICK, Ph.D. . . . . Vice-President and Veterans' Adviser
PAUL S. BACHMAN, Ph.D. . Dean of the Faculties and Director of the Summer Session
THAYNE M. LIVESAY, Ph.D. . . . . Dean of the College of Arts and Sciences
BRUCE WHITE, Ph.D. . . . . Dean of Teachers College
JOSEPH F. KUNESH, C.E. . . . . Dean of the College of Applied Science
HAROLD A. WADSWORTH, B.S. . . . . Dean of the College of Agriculture
ANDREW W. LIND, Ph.D. . . . . Dean of the Graduate Division
WILLARD WILSON, Ph.D. . . . . Dean of Student Personnel
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JOHN H. SPLAWN, LL.B. . . . . Director of the Hilo Summer Session
MARY R. PORTER, Ph.D. . . . . Director of the Guam Summer Session
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HAROLD M. BITNER, M.A. . . . . Director of Admissions and of the Bureau of Testing and Guidance
BARBARA M. CLARK, M.A. . . . . Counselor for Women

FACULTY

HONOLULU SESSION

Visiting Faculty

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LOUIS BRAND, Ph.D., Professor of Mathematics and Chairman, Department of Mathematics, College of Liberal Arts, University of Cincinnati
STUART GERRY BROWN, Ph.D., Professor of American Literature and Philosophy, Maxwell Graduate School of Citizenship and Public Affairs, Syracuse University
JEAN CHARLOT, Head of School, Colorado Springs Fine Arts Center
ROBERT W. FREDERICK, Ph.D., Director of Education, New York State College for Teachers
FRANK N. FREEMAN, Ph.D., Professor of Educational Psychology and Dean, School of Education, University of California
CLARENCE E. GLICK, Ph.D., Professor of Sociology and Head, Department of Sociology and Anthropology, The Tulane University of Louisiana
ROBERT B. HALL, Ph.D., Professor of Geography and Director, Center for Japanese Studies, University of Michigan
CATHERINE LANDRETH, Ph.D., Director of Nursery School, University of California
SHAO CHANG LEE, Director, International Institute, Michigan State College
MARVIN K. OPLER, Ph.D., Associate Professor of Anthropology and Chairman, Department of Anthropology and Sociology, Occidental College
JESSE F. STEINER, Ph.D., Professor Emeritus of Sociology, University of Washington
EMERY STOOPS, Ed.D., Administrative Assistant to the Superintendent of Schools, County of Los Angeles
GRAHAM H. STUART, Professor of Political Science, Stanford University

Regular Faculty

TOM E. ABRUMS, M.A., Instructor in English
MARGARET S. AWAMURA, M.A., Instructor in Speech
PAUL S. BACHMAN, Ph.D., Professor of Government
ALBERT H. BANNER, Ph.D., Assistant Professor of Zoology
MURIEL J. BERGSTROM, M.A., Instructor in English
OTTO J. BEYERS, Ed.D., Associate Professor of Education
ELEANOR J. BILSBORROW, M.A., Instructor in English
LESLIE J. BRIGGS, Ph.D., Assistant Professor of Psychology
HUBERT E. BROWN, Ph.D., Professor of Health and Physical Education
OSWALD A. BUSHNELL, Ph.D., Assistant Professor of Bacteriology
ROBERT W. CLOPTON, Ph.D., Associate Professor of Education
GRANT COTTAM, Ph.D., Assistant Professor of Botany
L. SCOTT DANIEL, B.S., Assistant Professor of Engineering
DOROTHY Y. DYE, M.S., Lecturer in Adult Education
EARLE ERNST, Ph.D., Assistant Professor of Speech
JOHN W. FONDAHL, M.S., Instructor in Engineering
THEODORE W. FORBES, Ph.D., Associate Professor of Psychology
GLADYS M. GARDNER, M.S., Assistant Professor of Education
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RALPH C. HOEBER, Ph.D., Associate Professor of Economics and Business
HAROLD A. JAMBOR, M.A., Assistant Professor of Social Work
MARIAN KERR, M.Mus., Lecturer in Music
IOLANI LUAHINE, Teacher of the Hawaiian Dance
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RICHARD A. PARRY, Ph.D., Associate Professor of Speech
HAROLD S. ROBERTS, Ph.D., Professor of Economics
HESTER A. ROBINSON, M.A., Assistant Professor of Art
HAROLD ST. JOHN, Ph.D., Professor of Botany
SOICHI SAKAMOTO, B.Ed., Instructor in Physical Education
JOSEPH F. SMITH, M.A., Professor of Speech
CARL G. STROVEN, Ph.D., Professor of English
SIDNEY J. TOWNSLEY, B.A., Graduate Assistant in Zoology
RICHARD W. VINE, M.Mus., Assistant Professor of Music
CHARLOTTE R. WHITTAKER, B.A., Lecturer in Physical Education

Members, Philosophers' Conference

E. A. BURTT, Ph.D., Professor of Philosophy, Cornell University
W. T. CHAN, Ph.D., Professor of Chinese Culture, Dartmouth College
G. P. CONGER, Ph.D., Professor of Philosophy, University of Minnesota
S. N. DASGUPTA, Ph.D., Former Principal, Sanskrit College, Calcutta, India
D. M. DATTA, Ph.D., Professor of Philosophy, Patna College, Patna, India
WILLIAM R. DENNES, D.Phil., Professor of Philosophy and Dean of the Graduate Division, University of California
YU-LAN FUNG, Ph.D., Professor of Philosophy and Dean of the College of Liberal Arts, Tsing Hua University, Peiping, China

CORNELIUS F. KRUSE, Ph.D., William Griffin Professor of Philosophy, Wesleyan University
HAROLD E. MCCARTHY, Ph.D., Assistant Professor of Philosophy, University of Hawaii
Y. P. MEI, Ph.D., Professor of Philosophy, Yenching University, Peiping, China
CHARLES A. MOORE, Ph.D., Professor of Philosophy, University of Hawaii
FILMER S. C. NORTHROP, Ph.D., Professor of Philosophy and Law, Yale University
S. RADHAKRISHNAN, D.Phil., Spalding Professor of Eastern Religions and Ethics, Oxford University
S. K. SAKSENA, Ph.D., Professor of Philosophy, University of Delhi, Delhi, India
WILMON H. SHELDON, Ph.D., Sheldon Clark Professor Emeritus of Philosophy, Yale University
WILLIAM A. SHIMER, Ph.D., Professor of Philosophy, University of Hawaii
D. T. SUZUKI, D.Litt., Professor of Buddhist Philosophy, Otani University, Kyoto, Japan
JOHN D. WILD, Ph.D., Professor of Philosophy, Harvard University

HILO SESSION

ELIZABETH DAVIS, M.A., Lecturer in Art
DONALD C. MATTHEWS, Ph.D., Associate Professor of Zoology
NORMAN D. RIAN, M.A., Associate Professor of Music
JOHN H. SPLAWN, LL.B., Assistant Professor of Economics and Business

GUAM SESSION

ELIZABETH B. CARR, M.A., Assistant Professor of Speech
GLADYS GALLAGHER, M.S., Instructor in Education
AMOS P. LEIB, M.A., Instructor in English
CURTIS A. MANCHESTER, Ph.D., Associate Professor of Geography
MARY R. PORTER, Ph.D., Associate Professor of Education
MARY H. SCHMIDT, M.A., Instructor in Education

GENERAL INFORMATION

The University of Hawaii will conduct summer sessions on the main campus in Honolulu; at the University of Hawaii Hilo Center; and on Guam, where facilities provided by the Governor of Guam will be used.

The summer session program is designed to meet the needs of several groups: (1) teachers seeking professional improvement; (2) regular undergraduate and graduate students desiring to reduce the time necessary to obtain degrees; and (3) entering freshmen who wish to avoid the danger of being unable to obtain necessary courses in the fall semester due to heavy registration. In addition, a number of courses of interest to the general public are offered.

The University of Hawaii is sponsoring, with the financial assistance of the Rockefeller Foundation, the McInerny Foundation, and the Watumull Foundation, a second East-West Philosophers' Conference in conjunction with the summer session. The purpose of this second conference is to build upon the accomplishments of the first conference, which was held in 1939, to seek greater comprehensiveness of philosophical perspective, and, so far as possible, to point the way to philosophical synthesis of East and West. The program of the conference will include: (1) special courses at both undergraduate and graduate levels; (2) lecture series, open to the public, to be given by Sir S. Radhakrishnan, Spalding Professor of Eastern Religions and Ethics, Oxford University, and by Filmer S. C. Northrop, Professor of Philosophy and Law, Yale University; (3) conference meetings in which formal papers will be presented, followed by discussion. University students may register as credit students or as auditors in the courses in philosophy and may attend the conference meetings as auditors. A special brochure on the conference will be mailed on request.

The University of Hawaii does not have housing facilities for students, nor can it arrange living accommodations for prospective students. It is, however, ordinarily not too difficult to obtain living accommodations for the summer period. The Office of Student Personnel will be glad to provide a list of hotels, apartments, and rooming houses with which students may correspond directly, and to furnish students, upon arrival, further information regarding living accommodations.

The University of Hawaii is fully accredited by the Association of American Universities.

REGISTRATION

Registration will be held Monday, June 20. Classes will start June 21 and end July 29, unless otherwise noted in the course descriptions. Students who have not been in attendance previously but have earned credits at other colleges or universities should bring a transcript of record with them. Entering freshmen should apply to the Office of the Director of Admissions not later than June 1.

STUDENT PROGRAMS

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

TUITION AND FEES

All fees are payable at the time of registration.

A tuition fee of $5.00 per credit hour will be charged all persons who register for courses, either for credit or as auditors. In certain courses laboratory or other fees will be charged; these fees are stated in course descriptions.

A penalty fee of $1.00 will be charged any student who registers more than one calendar day later than the announced day of registration.

A student will be charged $2.00 for any change in registration. Such a change must have the approval of the dean of the college in which the student is registered.

A student in good standing who voluntarily withdraws from the summer session may obtain a 100 per cent refund until 12 noon, Saturday, June 25, and 50 per cent thereafter until 12 noon, Saturday, July 2. After that time no refunds will be made.

COURSES OF INSTRUCTION

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

A schedule stating the time and place of meeting of all courses may be obtained from the Registrar's Office after April 1. Detailed information as to registration procedure will be given in this time schedule.

COURSES OFFERED IN HONOLULU

WORKSHOP COURSES

Each of the two workshops described below will consist of a program of six weeks of full-time work in a special area of study. The workshops are designed primarily for teachers, but other qualified persons will be permitted to enroll. Features of each workshop will include the following: (1) individual study under guidance and direction; (2) organized group work; (3) qualified leadership from Hawaii and abroad; (4) periodic conferences with the leader and staff; (5) workshop assemblies. The nature of the workshop programs precludes registration in other summer session courses. Persons who do not desire academic credit may be admitted in limited numbers at the discretion of the workshop leader.

Educ S 292b WORKSHOP IN SECONDARY EDUCATION. A workshop in secondary school curriculum and methods designed particularly for those teachers who wish to earn credits in secondary education in order to qualify for the Professional Secondary Certificate. Administration credit will not be granted for this workshop. 6 credits. MR. FREDERICK, MR. BEYERS, AND STAFF.

Educ S 292c WORKSHOP IN PRESCHOOL–PRIMARY EDUCATION. A workshop in preschool-primary education designed particularly for those teachers who wish to earn credits in preschool-primary education in order to qualify for the Professional Preschool-Primary Certificate. There will be opportunity for a limited number of teachers to secure practice-teaching credit on kindergarten and first-grade levels. Administration credit will not be granted for this workshop. 6 credits. MISS LANDRETH, MISS GARDNER, AND STAFF.

ANTHROPOLOGY

S 150 INTRODUCTION TO THE STUDY OF MAN. An introduction to the changing cultures and physical characteristics of preliterate peoples, as an aid to better understanding of current problems in human relations. 3 credits. MR. OPLER.

ART

S 150 DESIGN. Elements of design and composition; study of line, mass, pattern, color. Practice in design organization to stimulate understanding and provide a basis for advanced work. Lectures and studio problems. This course, or the equivalent in experience, is prerequisite to all advanced study. 2 credits. MISS ROBINSON.

S 157 FIGURE DRAWING AND PAINTING. A study of fundamentals in which instruction and criticism will be suitable to beginners and to students of moderate advancement. Laboratory fee $1.00. 2 credits. MR. CHARLOT.

S 190 WEAVING. Warping, threading, and weaving on two and four harness looms. Some study of pattern drafts, texture, and color. Laboratory fee $5.00. 2 credits. (Limited to 15 students.) MISS ROBINSON.

S 254 ORIENTAL ART. A study of the development of art in India, China, and Japan with special emphasis upon the relationship of art to religion and ethics. Illustrated lectures, assigned readings, and discussions. 2 credits. MR. LEE.

S 285 MURAL COMPOSITION AND FRESCO TECHNIQUE. Individual and group projects in fresco painting and mural composition. Prerequisites: Design 150–151, Drawing 154–155, Painting 180; or their equivalents. Laboratory fee $5.00. 2 credits. MR. CHARLOT.

BACTERIOLOGY

S 140 APPLIED BACTERIOLOGY. A survey of the principles and practical applications of bacteriology. May not be used as prerequisite to other bacteriology courses. 2 credits. MR. BUSHNELL.

BOTANY

S 105 ECONOMIC PLANTS OF HAWAII AND POLYNESIA. The cultivated and wild plants used in ancient and modern times by the Hawaiians and Polynesians. Nature of these economic plants and their use for food, drink, fabric, dye, medicine, and utensils. 2 credits. MR. ST. JOHN.

S 160 FLOWER AND TREE IDENTIFICATION. A non-technical course in the identification of the common cultivated plants and weeds of the Territory. 2 credits. MR. ST. JOHN.

S 165 PLANT LIFE AND CONSERVATION. The necessity for conservation. The balance of nature and the changes that occur when man and his domesticated animals disrupt that balance. The importance of plants in the formation and preservation of the soil. Plant cover and the water supply. The influence of fire, drought, disease, and climatic changes. 2 credits. MR. COTTAM.

ECONOMICS

S 140 INTRODUCTION TO ECONOMICS. 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. Credit cannot be obtained in both this course and Economics 150–151. 3 credits. MR. HOEBER.

S 261 PUBLIC FINANCE. Public expenditures: extent, purposes, determinants, effects. Public revenues: public domains and industries, fees, assessments, charges, taxation. Public credit and fiscal administration. 2 credits. MR. BLAKEY.

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

S 284 COLLECTIVE BARGAINING. The underlying principles and concepts in the process of collective bargaining as well as the substance of the collective bargaining agreement. Sample contracts will be examined and analyses made of the main provisions of agreements, including union status, general wage provisions, grievance machinery, seniority, contract enforcement, and other sections of the agreement. 2 credits. MR. ROBERTS.

S 286 INTERNATIONAL COMMERCIAL POLICIES. Theory of international commerce; protective tariffs, free trade, reciprocity, subsidies, preferential treatment, the open door, international finance, commercial treaties, foreign politics, and other governmental and organized efforts to affect trade. American problems emphasized. 2 credits. MR. BLAKEY.

EDUCATION

S 244 CHILD DEVELOPMENT FOR ELEMENTARY TEACHERS. A course in helping teachers in service and teachers in training in developing a more thorough understanding of children at the elementary age levels. Special emphasis on such factors of development as the rhythm of physical growth, social concepts, emotional patterns, and intellectual

development; how these factors are integrated to form the total personality pattern of a child; the implications for the teacher in the classroom. 2 credits. MISS GARDNER.

S 258 AUDIO-VISUAL AIDS IN EDUCATION. A study of the more important audio-visual aids as materials of instruction, including field trips, the motion picture, still pictures, exhibits and museums, graphic materials, radio and recordings, dramatics. Techniques of their use in instruction; community resources; instruction in the operation of equipment, the preparation of slides, objects, and other materials. Administration of a program in audio-visual instruction. Prerequisites: Education 250–51, 283–84, or 285–86; or teaching experience and permission of dean. 2 credits. MISS DYE.

S 259 PRINCIPLES OF ADULT EDUCATION. Designed for leaders of adult work in industry, religion, and social and educational work. A study of the nature, extent, and significance of adult education. History and types of adult education; influence of social, economic, psychological, and cultural factors on adult education; present trends and future development. Prerequisites: Education 250–51, 283–84, or 285–86; or permission of dean. 3 credits. MISS DYE.

S 289 HISTORY OF EDUCATION. Survey of the history of educational thought and practice as a basis for the study of modern school problems. 3 credits. MR. STOOPS.

S 292b WORKSHOP IN SECONDARY EDUCATION. For description, see page 8.

S 292c WORKSHOP IN PRESCHOOL-PRIMARY EDUCATION. For description, see page 8.

S 340 PHILOSOPHY OF EDUCATION. Philosophy and science in education; social, psychological, and ethical considerations essential to the development of a philosophy of education; implications of philosophical viewpoints for policy in education. 3 credits. MR. CLOPTON.

S 361 EVALUATION IN EDUCATION. Theory and techniques of evaluation in education; practice in the use of testing devices. 3 credits. MR. HAAN.

S 365 THE SUPERVISION OF INSTRUCTION. The supervisory work of the principal; the place of supervision; and organization for supervisory service; techniques. Restricted to administrators and prospective administrators. Prerequisite: consent of instructor. 2 credits. MR. HAAN.

S 380 RESEARCH AND THESIS WRITING. Research techniques and thesis development; designed to assist students in thesis preparation. Prerequisites: Education 340, 361, 390; Psychology 351; consent of instructor. 2 credits. MR. CLOPTON.

S 390 PUBLIC SCHOOL ADMINISTRATION. State and territorial organization for administrative control of public education; federal relations; Hawaiian school law and Department of Public Instruction regulations. 2 credits. MR. STOOPS.

ENGINEERING

S CE 227 ROUTE SURVEYING. Reconnaissance; preliminary survey; paper location; curve computations; field location; platting profiles; determining grade lines; earthwork computations for location of railroad or highway. Prerequisite: Civil Engineering 101. Laboratory fee $4.00. 6 credits. MR. DANIEL.

ENGLISH

S 101 COMPOSITION. Principles and practice of composition. 3 credits. MRS. BERGSTROM.

S 101C COMPOSITION. Principles and practice of composition. Second semester's work. 3 credits. MISS BILSBORROW.

S 150C INTRODUCTION TO ENGLISH LITERATURE. A survey of English literature from the eighteenth to the twentieth century. Second semester's work. 3 credits. MR. ABRUMS.

S 260 AMERICAN LITERATURE BEFORE THE CIVIL WAR. A survey of American literature from Edwards to Emerson, with special attention to main currents of American thought and culture. 2 credits. MR. S. BROWN.

S 263 LITERATURE OF THE PACIFIC. A survey of the literature of the Pacific islands and Australia: narratives of voyagers and travelers, translations of native folk literature, and short stories and novels by such writers as Melville, Stevenson, London, Becke, and Nordhoff and Hall. 2 credits. MR. STROVEN.

S 269 CRITICAL LITERATURE OF AMERICA SINCE THE CIVIL WAR. A survey of the chief literary men and publicists who have challenged American thought in this period. 2 credits. MR. S. BROWN.

S 279 THE TRAGIC FORM IN DRAMA. A study of the nature of tragedy, as it appears in plays chosen from the Greeks, Shakespeare, and Ibsen. 2 credits. MR. ERNST.

GEOGRAPHY

S 255 GEOGRAPHY OF CONTINENTAL ASIA. The regional geography of continental Asia. The distribution and the activities of the peoples in relation to the natural setting, and the problems of development which the different countries are facing. 2 credits. MR. HALL.

S 256 GEOGRAPHY OF JAPAN. The regional study of the geography of Japan. A detailed study of the people and the resources of the land. 2 credits. MR. HALL.

GEOLOGY

S 162 VOLCANOLOGY. Classification, eruptive types, products, structures, and distribution of volcanoes. 2 credits. MR. PALMER.

GOVERNMENT

S 150 AMERICAN NATIONAL GOVERNMENT. The organization and functioning of the national government; protection of civil rights; the party system; principles of American democracy. Prerequisite to all other courses in government. 3 credits. MR. BACHMAN.

S 258 CONDUCT OF AMERICAN FOREIGN RELATIONS. A study of the factors which determine the formulation and execution of American foreign policy, with emphasis upon the respective roles played by tradition, public opinion, the State Department, and the Foreign Service. Prerequisite: Government 150 or consent of instructor. 2 credits. MR. STUART.

S 260 INTERNATIONAL RELATIONS. A study of the factors which condition the foreign policy of states: nationalism, imperialism, and power politics. Outstanding problems of world politics. Required of majors in government. 2 credits. MR. STUART.

HEALTH AND PHYSICAL EDUCATION

S 110 SWIMMING FOR BEGINNERS. 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. 1 credit. MR. SAKAMOTO.

S 112 ADVANCED SWIMMING. For students who have met the basic requirements in swimming and desire to develop additional skills in swimming and diving. 1 credit. MR. SAKAMOTO.

S 124 DANCES OF HAWAII. 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. 2 credits. MISS LUAHINE.

S 250 RECREATION LEADERSHIP. Students are assigned to recreational agencies for orientation in the field. Classes are arranged for discussion of individual and group problems. 2 credits. MR. H. BROWN.

S 251 GROUP LEADERSHIP IN GIRL SCOUTING. Designed to provide volunteers in Girl Scouting with confidence, understanding, and skills as leaders of troops. Emphasis given to program skills and activity projects in the out-of-doors and international fields. An introductory or beginners' course is a prerequisite. 2 credits. MISS WHITTAKER.

S 269 PHYSICAL EDUCATION PROGRAM IN SCHOOLS. Designed to meet the needs of school administrators, supervisors, and others concerned with the organization, program content, and function in the modern school curriculum. 2 credits. MR. H. BROWN.

HISTORY

S 110 INTRODUCTION TO AMERICAN HISTORY. The religious, cultural, and social backgrounds of the American people. Prerequisite for advanced courses in American history. 3 credits. MR. NEUMANN.

S 247 THE UNITED STATES SINCE 1920. The economic, social, political, and diplomatic history of the United States since Versailles; World War II. 2 credits. MR. NEUMANN.

S 291 CHINESE CIVILIZATION. A general survey of the origin and development of Chinese culture. 2 credits. MR. LEE.

HOME ECONOMICS

S HE 291 HOME-MANAGEMENT HOUSE LABORATORY. Living with a group of four to six students in a supervised house for six weeks; practical application of training in home economics; meal preparation, time and money management, human relationships. Students share subsistence cost. Prerequisite: consent of instructor. 4 credits. MISS GUNN.

S HS 149 NUTRITION FOR HEALTH. Relation of food requirements and good nutrition to health. Lectures, movies, and demonstrations illustrating nutritional values of foods commonly used in Hawaii. Open to both men and women. Fee $1.00. 2 credits. MISS GUNN.

MATHEMATICS

S 150 PLANE TRIGONOMETRY. Prerequisites: two years of high school algebra and one year of plane geometry. 3 credits. MR. MOOKINI.

S 151 COLLEGE ALGEBRA. Prerequisites: two years of high school algebra and one year of plane geometry. 3 credits. MR. FONDAHL.

S 153 DIFFERENTIAL CALCULUS. Includes infinite series. Prerequisite: Mathematics 152. 3 credits. MR. BRAND.

MUSIC

S 110 MUSIC APPRECIATION. An introduction to music from the listener's point of view, with special emphasis on orchestral literature from the classical through the modern period. Emphasis on listening to recorded music. Course fee $2.00. 3 credits. MR. MCCLAIN.

S 150 RUDIMENTS OF MUSIC. 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. 2 credits. Mr. Vine.

S 209 UNIVERSITY CHORUS. 1 credit. MR. VINE.

APPLIED MUSIC

S 149, S 169, S 249, or S 269 Individual instruction in piano, voice, or orchestral instruments as recommended by chairman of Music Department. Special course fee $50.00. Hours arranged. 1 credit. MR. MCCLAIN, MR. VINE, AND MISS KERR.

PHILOSOPHY

S 100 INTRODUCTION TO PHILOSOPHY. The problems, methods, and fields of philosophy, including comparison of Oriental and Western thought. 3 credits. MR. MCCARTHY.

S 270 INDIAN PHILOSOPHY. Survey of the history of Indian philosophy. 2 credits. MR. DASGUPTA, MR. DATTA, AND MR. SAKSENA.

S 271 CHINESE PHILOSOPHY. Survey of the history of Chinese philosophy. 2 credits. MR. CHAN, MR. FUNG, AND MR. MEI.

S 283 BUDDHIST PHILOSOPHY. Survey of the basic doctrine and schools of Buddhist philosophy. 2 credits. MR. SUZUKI.

S 289 METAPHYSICS. Consideration of the basic types of metaphysics in East and West. 2 credits. MR. SHELDON.

S 322 SEMINAR IN COMPARATIVE METAPHYSICS. Comparative (East-West) treatment of basic types of theory of the nature of reality. 2 credits. MR. CHAN, MR. CONGER, MR. DASGUPTA, MR. SUZUKI, MR. WILD.

S 323 SEMINAR IN COMPARATIVE METHODOLOGY. Comparative consideration of chief methods used in philosophy in East and West. 2 credits. MR. BURTT, MR. DATTA, MR. DENNES, MR. FUNG, MR. SUZUKI.

S 324 SEMINAR IN COMPARATIVE ETHICS AND SOCIAL PHILOSOPHY. Comparative treatment of fundamental principles and types of ethical and social theory in East and West. 2 credits. MR. KRUSE, MR. MEI, MR. NORTHROP, MR. SAKSENA.

PSYCHOLOGY

S 150 GENERAL PSYCHOLOGY. Introductory course surveying human behavior. Lectures and demonstrations. Laboratory fee $1.00. 4 credits. MR. BRIGGS.

S 254 PRINCIPLES OF GUIDANCE. Psychological bases; methods and scope of educational, vocational, and personal guidance. Desirable preparation: Psychology 260, 292, and 295. 3 credits. MR. BEYERS.

S 292 MENTAL HYGIENE. Conditions requisite to mental health and satisfactory social adjustment; causes and means of preventing maladjustments and neuroses. 3 credits. MR. FREEMAN.

S 295 ABNORMAL PSYCHOLOGY. The nature and causes of psychoneuroses and psychoses; incipient abnormal traits manifested in everyday life; psychotherapy. 3 credits. MR. FORBES.

S 351 ADVANCED EDUCATIONAL PSYCHOLOGY. Application of experimental evidence in psychology to major educational problems; the bearing of recent psychological theories upon education. 2 credits. MR. FREEMAN.

SOCIAL WORK

S 383 ADMINISTRATION OF SOCIAL WORK AGENCIES. The course deals with problems of administering social work agencies, emphasizing the relationship between structure and function. The problems of internal administration, such as personnel management, program direction, research and planning, budget control, and public relations, will also be considered from the point of view of process and content. 2 credits. June 21–July 2. MR. JAMBOR.

SOCIOLOGY

S 151 INTRODUCTION TO THE STUDY OF SOCIETY. An orientation course. The basic social relationships and the corresponding social structures. 3 credits. MR. GLICK.

S 258 RACE RELATIONS. The sociological significance of race and race relations; typical situations and processes; race relations cycle; conflict and accommodations; caste; race prejudice; the marginal man; miscegenation. 2 credits. MR. STEINER.

S 259 PEOPLES AND INSTITUTIONS OF JAPAN. Social change in the institutional patterns and attitudes of different social classes in Japan, with special attention to the accelerated change under the army of occupation. 2 credits. MR. STEINER.

S 273 SOCIAL MOVEMENTS. A study of the development of social movements and their relation to social change. 2 credits. MR. GLICK.

S 276 DEVELOPMENT OF SOCIAL THOUGHT. The history of sociology and anthropology as phases in the total development of social forces and action. Historical and contemporary trends against a background of social forces. 2 credits. MR. OPLER.

SPEECH

S 103 ORAL COMMUNICATION. Practical experience in using speech communication in a wide variety of forms. Required of all sophomores in Teachers College and sophomores in other colleges unless excused. Course fee $1.00. 1 credit. MISS AWAMURA.

S 140 DRAMATIC PRODUCTION. Basic course designed especially for teachers interested in all aspects of backstage work, the emphasis being upon staging, lighting, properties, make-up. The work will be co-ordinated with University Theatre productions. 2 credits. MR. ERNST.

S 201 PRINCIPLES OF EFFECTIVE READING. Study of relationship between silent and oral reading with intensive practice in getting and giving meanings from the printed page. 2 credits. MR. PARRY.

S 220 PHONETICS. Phonetics as applied to articulation, standards of pronunciation of English, the teaching of speech, speech correction, and dialect study. 2 credits. MR. SMITH.

S 221 PRINCIPLES OF SPEECH CORRECTION. Study of types of therapy employed in minor disorders of speech with special attention to dialectal problems. 2 credits. MR. PARRY.

S 265 SPEECH FOR THE CLASSROOM TEACHER. A study of the teacher's total speech behavior in the teaching situation. Practice for increasing the teacher's own speech skills and his knowledge of techniques of conversation, story-telling, oral reports, and discussion. 2 credits. MR. SMITH.

SURVEY

S 100 A SURVEY OF THE PHYSICAL SCIENCES. Items from various fields of physical science selected to illustrate what is known and how it has been learned. This is essentially the equivalent of the work of the first semester of the regular sessions. 3 credits. MR. PALMER.

ZOOLOGY

S 100 GENERAL ZOOLOGY. Zoological principles; studies of structure, development, relationship, and distribution of animals. Lectures and laboratories. Laboratory fee $6.00. 4 credits. MR. BANNER.

COURSES OFFERED AT HILO CENTER

Art H 262 CREATIVE ART FOR THE UPPER ELEMENTARY YEARS. Situations and visual materials for creative thinking and working, involving individual and group use of tools, materials, and ideas. Laboratory fee $1.00. 2 credits. MISS DAVIS.

Econ H 140 INTRODUCTION TO ECONOMICS. A descriptive analysis of basic economic institutions and a study of the elementary principles underlying consumption, production, exchange, and distribution. 3 credits. MR. SPLAWN.

Music H 292 MUSIC WORKSHOP. Designed for preschool, elementary, and special music teachers in the secondary schools. Emphasis given to the place of music in the school program, to resources, and to modern instructional techniques, with stress on local problems and needs. 4 credits. MR. RIAN.

Zool H 110 PRINCIPLES OF HUMAN BIOLOGY. Biological principles relating to human diseases, how and what we inherit, human evolution and eugenics, and the biological aspects of human behavior. 3 credits. MR. MATTHEWS.

Zool H 115 HUMAN HEREDITY AND EUGENICS. A study of the mechanisms by which characteristics are transmitted from parents to offspring. The application of this knowledge to the improvement of the human race is stressed. Credits may not be applied to a zoology major. 3 credits. MR. MATTHEWS.

COURSES OFFERED IN GUAM

Educ G 243 CHILD DEVELOPMENT. Study of the physiological, social, and intellectual development of children from early childhood through adolescence to provide a basis for sound school practice and more effective teaching. Enrollment limited to students who are not enrolled in Education G 244. 2 credits. MISS SCHMIDT.

Educ G 244 SUPERVISION OF INSTRUCTION. Principles and practices for securing the most effective teaching, with special reference to the problem of helping teachers who have had little professional preparation. Enrollment limited to administrators, supervisors, and senior teachers. 2 credits. MISS PORTER.

Eng G 48 IMPROVEMENT OF READING. Development of the basic skills of reading, with emphasis on vocabulary building, comprehension, and speed. For teachers who wish to improve their own reading ability. This course does not carry university credit but requires payment of $10.00 tuition. Daily. MISS GALLAGHER.

Eng G 101 COMPOSITION. Principles and practice of composition. 3 credits. MR. LEIB.

Eng G 101C COMPOSITION. Second semester of English 101. 3 credits. MR. LEIB.

Geography G 154 GEOGRAPHY OF THE PACIFIC AND NORTH AMERICA. Basic concepts of geography; effects of physical environment on human activities; relationships of the Pacific islands to each other and to the United States; fundamentals of U. S. geography. 2 credits. MR. MANCHESTER.

History G 110 INTRODUCTION TO AMERICAN HISTORY. The religious, cultural, and social backgrounds of the American people. 2 credits. MR. MANCHESTER.

Math G 49 BASIC MATHEMATICS. A review of basic mathematics for teachers who desire a better grasp of the subject. This course does not carry university credit but requires payment of $10.00 tuition. Daily. MISS GALLAGHER.

Speech G 100 FUNDAMENTALS OF SPEECH. A general introduction to speech as communication. Information concerning speech and speech production; discussion of standards of acceptable practice in speech performance. 1 credit. MRS. CARR.

Speech G 101 SOUNDS AND RHYTHMS OF SPOKEN ENGLISH. Intensive training in sounds and rhythms of general American speech. Continued emphasis on the effective communication of ideas. Prerequisite: Speech 100. 1 credit. MRS. CARR.

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