

PERIODICAL  
UNIVERSITY OF HAWAII  
LIBRARY

University of Hawaii  
1966 Summer Session

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## FIRST TERM (JUNE 20—JULY 29)

## ANTHROPOLOGY

- 150 Introduction to Anthropology (3)
- 210 Archeology (3)
- 460(1) Asia and the Pacific (2)
- 550(3) Anthropological Applications: Educ. (3)

## ARCHITECTURE

- 116 Architectural Graphics (2)
- 138 Architectural Design (3)
- 238 Architectural Design (3)
- 316 Professional Practice (3)

## ART

- 101 Introduction to the Visual Arts (3)
- 103 Fundamentals (2)
- 104 Fundamentals (2)
- 111 Drawing (2)
- 112 Drawing (2)
- 131 Visual Design (2)
- 136 Weaving (2)
- 137 Weaving (2)
- 141 Ceramics (2)
- 142 Ceramics (2)
- 151 Sculpture (2)
- 171 Aspects of Western Art (3)
- 181 Comparative Aspects of Asian Art (3)
- 215 Introduction to Printmaking (2)
- 221 Painting (2)
- 251 Sculpture (2)
- 311 Figure Drawing (2)
- 315 Printmaking (2)
- 321 Advanced Painting (2)
- 335 Textile Design (2)
- 363 Advanced Visual Design (2)
- 383 Art of Japan and Korea (3)
- 479 20th Century Painting and Sculpture (3)
- 537 Rugs and Tapestry (2)
- 641 Ceramics (2)

## ASIAN STUDIES

- 610 Asia (3)
- 612 Teaching and Studying about Asia (3)
- 620 Field Studies: Study Tour of the Orient (3 or 5)

## BOTANY

- 160 Identification of Tropical Plants (2)
- 181 Plant Life of the Sea (4)

## BUSINESS ADMINISTRATION

## ACCOUNTING

- 100 Elementary Accounting (3)
- 101 Elementary Accounting (3)
- 200 Intermediate Accounting (3)
- 320 Management Accounting (3)

## BUSINESS ANALYSIS AND STATISTICS

- 110 Applied Mathematics (3)
- 300 Business Statistics (3)
- 301 Business Statistics (3)

## BUSINESS ECONOMICS

- 303 Money, Credit and the Capital Market (3)
- 340 Managerial Economics I (3)

## FINANCE

- 300 Business Finance (3)

## MANAGEMENT

- 300 Principles of Management (3)

## MARKETING

- 300 Principles of Marketing (3)
- 340 Retail Merchandising (3)

## PERSONNEL AND INDUSTRIAL RELATIONS

- 300 Labor Problems and Trade Unionism (3)
- 350 Personnel and Industrial Relations—Practices and Policies (3)

## CHEMISTRY

- 106 General Chemistry—Qualitative Analysis (5)
- 141 Elements of Organic Chemistry (4)
- 331 Elementary Quantitative Analysis (4)
- 399 Directed Research (arr.)
- 699 Directed Research (arr.)

## CHINESE

- 101 Elementary Chinese (3)
- 111 Intensive Elementary Chinese (6)
- 161 Intermediate Chinese (4)
- 209 Third-Level Chinese—Modern (3)
- 251 Chinese for Reading Knowledge (3)
- 401 Chinese Literature in English (3)
- 408 Chinese Structure (3)
- 409 Fourth-Level Chinese—Modern (3)
- 613 Chinese Poetry (2)
- 632 Chinese Dialects (3)
- 701 Research Seminar in Chinese (2)

## DRAMA AND THEATRE

- 140 Introduction to Drama and Theatre (3)
- 150 Dramatic Production (3)
- 250 Theatre Workshop (3)
- 410 Creative Dramatics (2)
- 420 Acting (3)
- 425 Dance Techniques (3)

## ECONOMICS

- 150 Principles of Economics (3)
- 151 Principles of Economics (3)
- 240 Money and Banking (3)
- 290 Labor Economics (3)
- 300 Intermediate Econ. Theory: Price Theory (3)
- 302 Intermediate Economic Theory: National Income (3)
- 304 History of Economic Thought (3)
- 410 Asian Economic Development (3)
- 420 Quantitative Methods in Econ. Analysis (3)
- 421 Quantitative Methods in Econ. Analysis (3)
- 430 Comparative Economic Systems (3)
- 450 Public Finance (3)
- 460 International Trade and Finance (3)
- 462 International Economic Policy (3)
- 470 Government and Business (3)
- 624 Econometrics (3)
- 640 Seminar in Money and Banking (3)
- 670 Economic Development (3)
- 671 Economic Development of Japan (3)

## EDUCATION

## EDUCATIONAL ADMINISTRATION

- 671 School Publicity and Public Relations (3)
- 672 Personnel Practices and the School Principal (2)
- 680 Public School Organization (2)
- 685 Educational Administration: Theory and Principles (3)

# Hawaii

- 111 Intensive Elementary Japanese (6)
- 161 Intermediate Japanese (4)
- 211 Third-Level Japanese (3)
- 251 Japanese for Reading Knowledge (3)
- 401 Japanese Literature in English (3)
- 408 Structure of Japanese (3)
- 415 Japanese Grammar—Colloquial (3)
- 417 Fourth-Level Japanese (3)

## KOREAN

- 111 Intensive Elementary Korean (6)
- 161 Intermediate Korean (4)

## LIBRARY STUDIES

- 601 Bibliography and Reference Sources (3)
- 602 Advanced Reference Sources (3)
- 605 Basic Cataloging and Classification (3)
- 610 Social Functions of Libraries (3)
- 615 Building Library Collections (3)
- 647 Management of Library Operations (3)
- 650 Administration of Libraries (3)
- 678 Reader Services (3)
- 681 Reading Materials for Children (3)
- 682 Reading Materials for Youth (3)
- 683 Service for Children and Young People (3)

## LINGUISTICS

- 202 General Linguistics (3)

## MATHEMATICS

- 102 Plane Trigonometry (3)
- 103 College Algebra (3)
- 111 Introduction to Mathematics (3)
- 135 Calculus I (4)
- 136 Calculus II (4)
- 232 Applied Advanced Calculus II (3)
- 311 Linear Algebra (3)

## MICROBIOLOGY

- 130 Microbes and Man (2)
- 699 Directed Research (arr.)
- 800 Thesis Research (arr.)

## MUSIC

- 140 Recreational Music (2)
- 150 Elementary Musicianship (3)
- 151 String Methods (2)
- 153 Woodwind Methods (2)
- 160 Introduction to Music Literature (3)
- 171 Japanese Dance and its Music (1)
- 200 University Chorus (1)
- 253 Music, Elementary Curriculum (3)
- 450 Music for Elementary Teachers (2)
- 451 Advanced String Methods (2)
- 456 Institute on Asian Music in Music Educ. (4)
- 464 Contemporary Music (2)
- 580 Theoretical Aspects of Musical Style (3)
- 650 Problems in Music Education (2)

## APPLIED MUSIC

- 121(11) Class Voice Instruction (1)
- 121(23) Class Koto Instruction (1)
- 122 Class Piano Instruction (1)
- 131 Individual Instruction (1)
- (11) Voice, (12) Hawaiian Chant, (21) Piano, (23) Koto, (31) Violin, (32) Viola, (33) Cello, (34) Double Bass, (35) Viola Da Gamba, (41) Flute, (42) Oboe, (43) Clarinet, (44) Bassoon,

- (45) Saxophone, (51) Trumpet, (52) French Horn, (53) Trombone, (54) Tuba, (55) Baritone Horn, (61) Percussion, (71) Japanese Dance, (73) Filipino Dance
- 135, 136, 137, 138(1)

- (11), (21), (31), (32), (33), (34), (35), (41), (42), (43), (44), (45), (51), (52), (53), (54), (55), (61), (71), (73)

- 231 Individual Instruction (1)
- (11), (12), (21), (23), (31), (32), (33), (34), (35), (41), (42), (43), (44), (45), (51), (52), (53), (54), (55), (61), (71), (73)

- 235, 236, 237, 238, 435, 635(1)
- (11), (21), (31), (32), (33), (34), (35), (41), (42), (43), (44), (45), (51), (52), (53), (54), (55), (61)

## OCEANOGRAPHY

- 201 Science of the Sea (3)

## PHILOSOPHY

- 100 Introduction to Philosophy (3)
- 110 Introduction to Ethics (3)
- 150 History of Philosophy (3)
- 200 Introduction to Logic (3)
- 400 Contemporary Philosophy (3)
- 411 Pragmatism (3)
- 420 Problems of Philosophy (3)
- 450 Indian Philosophy (3)
- 460 Buddhist Philosophy (3)
- 470 Chinese Philosophy (3)
- 473 Taoism (2)
- 510 Philosophy in Literature (3)
- 610 Seminar in Modern Philosophy (3)

## PHOTOGRAPHY

- 100 Principles of Photography (2)
- 200 Experimental Photography (2)

## PHYSICS

- 120 Introduction to Physics (2)
- 160 College Physics (4)
- 170 General Physics (3)
- 171 General Laboratory (1)
- 220 Introduction to Nuclear Physics (2)
- 699 Directed Research (arr.)
- 800 Thesis Research (arr.)

## POLITICAL SCIENCE

- 110 Introduction to Political Science (3)
- 300 Elements of Political Theory (3)
- 320 American Government (3)
- 341 Comparative Politics (3)
- 360 Introduction to International Relations (3)
- 404 Modern Political Ideologies (3)
- 420 State Government and Administration (3)
- 462 International Relations of East Asia (3)
- 500 Public Administration (3)
- 600 Contemporary Political Science (3)
- 620 The Political Order (3)
- 742 Seminar: Comparative Politics (3)
- 780 Seminar: Politics (3)

## PSYCHOLOGY

- Psychology 102 or 104 is prerequisite to all other psychology courses listed below.
- 102 General Psychology (4)
- 104 Introduction to Psychology (3)

- 250 Developmental Psychology (3)
- 280 Psychology of Adjustment (3)
- 362 Social Psychology (3)
- 480 Abnormal Psychology (2)
- 600(1) Seminar: General (2)
- 600(7) Seminar: Social Psychology (2)
- 600(8) Seminar: Developmental (2)
- 600(11) Seminar: Counseling (2)
- 782 Psychological Counseling (2)

#### PUBLIC HEALTH

- 683 Principles of Comprehensive Maternity Care (1)
- 692 Seminar in School Health Services (1)
- 699 Directed Research (arr.)
- 710 Advanced Public Health Practice (3)
- 800 Thesis Research (arr.)

#### RELIGION

- 151 Meaning of Existence (3)
- 201 Understanding the New Testament (2)
- 250 Living Religions of Hawaii (2)
- 351 Existential Interpretation of Biblical Faith (2)

#### RUSSIAN

- 403 Contemporary Russian Literature in Translation (3)

#### SANSKRIT

- 101 Elementary Sanskrit (3)
- 151 Intermediate Sanskrit (3)

#### SOCIOLOGY

- 151 Introduction to the Study of Society (3)
- 201 Principles of Sociology (3)
- 232 Community Forces in Hawaii (3)
- 306 Criminology (3)
- 324 Personality and Culture (2)
- 410 Population and Society (2)
- 435 The Agrarian Community (2)
- 436 The Urban Community (3)
- 444 People and Institutions of China (2)

- 450 Race and Cultural Contacts in Hawaii (3)
- 451 Race Relations in the Pacific (2)
- 472 The Family (3)
- 504 Juvenile Delinquency (2)
- 580 Sociological Theory (2)
- 602(2) Seminar on Marriage and the Family (2)

#### SPANISH

- 101 Elementary Spanish (3)
- 151 Intermediate Spanish (3)
- 203 Advanced Grammar and Composition (3)

#### SPEECH

- 140 Fundamentals of Oral Communication (2)
- 150 Public Speaking (3)
- 210 Phonetics (2) (For Keio Program Only)
- 220 Introduction to Speech Correction (3)
- 222 Introduction to Audiology (3)
- 230 Reading Aloud (3)
- 335 Storytelling (2)
- 365 Speech for the Classroom Teacher (3)
- 465 The Summer High School Speech Institute (4)
- 480 Group Leadership and Discussion (3)
- 598 Special Problems (arr.)
- 624 Advanced Practicum in Audiology (3)
- 625 Seminar in Speech Pathology (3)

#### TAGALOG

- 101 Elementary Tagalog (3)
- 151 Intermediate Tagalog (3)

#### TECHNICAL NURSING

- 112 Nursing (Psychiatric) (3)
- 123 Nursing (Advanced Medical-Surgical) (4)

#### THAI

- 111 Intensive Elementary Thai (6)
- 151 Intermediate Thai (3)

#### ZOOLOGY

- 101 General Zoology (4)
- 205 Invertebrate Zoology (4)

### SECOND TERM (AUGUST 1-SEPTEMBER 9)

#### ANTHROPOLOGY

- 441 Ethnography of Southeast Asia (3)
- 445 Aboriginal Societies of Inner Asia and Taiwan (3)

#### ARCHITECTURE

- 139 Architectural Design (3)
- 239 Architectural Design (3)
- 317 Professional Practice (3)

#### ART

- 141 Ceramics (2)
- 142 Ceramics (2)
- 152 Sculpture (2)

#### BUSINESS ADMINISTRATION

##### ACCOUNTING

- 101 Elementary Accounting (3)
- 201 Intermediate Accounting (3)

##### BUSINESS ANALYSIS AND STATISTICS

- 301 Business Statistics (3)

##### BUSINESS ECONOMICS

- 341 Managerial Economics II (3)

##### MANAGEMENT

- 350 Business Policy (3)

#### MARKETING

- 315 Marketing Management (3)

#### CHEMISTRY

- 399 Directed Research (arr.)
- 699 Directed Research (arr.)

#### CHINESE

- 102 Elementary Chinese (3)
- 112 Intensive Intermediate Chinese (6)
- 162 Intermediate Chinese (4)
- 210 Third-Level Chinese—Modern (3)
- 252 Chinese for Reading Knowledge (3)
- 402 Chinese Literature in English (3)
- 410 Fourth-Level Chinese (3)
- 614 Chinese Poetry (2)
- 631 Chinese Phonology (3)
- 702 Research Seminar in Chinese (2)

#### EDUCATION

##### ELEMENTARY EDUCATION

- 225 Children's Literature (2) (August 1-26)
- 325 Trends in the Teaching of Elementary Mathematics (2) (August 1-26)

- 620 Teaching Reading in the Elementary School (2) (August 1-26)

#### HEALTH AND PHYSICAL EDUCATION

- 101 Aquatic Activities (1)  
102 Individual and Dual Activities (1)  
106 Prescribed Exercises (1)  
130 Personal Hygiene (1) (August 1-26)  
221 Physical Education, Elementary (2)  
230 School Health Problems (2) (August 1-26)  
234 Safety Procedures and First Aid (2)  
280 Anatomy in Physical Education (3)

#### ENGLISH

- 101 Expository Writing (First Semester) (3)  
151 Major Works of British and American Literature (3)  
152 World Literature: To the Renaissance (3)  
215 Advanced Expository Writing (3)  
220 Structure of American English (3)  
231 Introduction to Poetry (3)

#### ENGLISH LANGUAGE INSTITUTE

- 120 Reading Program for Foreign Students (2)  
130 Writing Program for Foreign Students (3)

#### FRENCH

- 102 Elementary French (3)  
152 Intermediate French (3)  
212 Conversation and Composition (3)

#### GEOGRAPHY

- 578 Geography of Hawaii (3)

#### GERMAN

- 102 Elementary German (3)  
154 Intermediate: Science German (3)

#### HAWAIIAN

- 102 Elementary Hawaiian (3)  
152 Intermediate Hawaiian (3)

#### HINDI

- 102 Elementary Hindi (3)  
152 Intermediate Hindi (3)

#### HISTORY

- 151 World Civilization (3)  
152 World Civilization (3)  
171 Introduction to American History (3)  
342 Modern History of the Far East (2)  
402 Roman Civilization (2)  
452 History of Russia from 1850 (3)  
532 History of China (2)  
551 History of South Asia (2)

#### INDONESIAN

- 112 Intensive Intermediate Indonesian (6)  
152 Intermediate Indonesian (3)

#### JAPANESE

- 102 Elementary Japanese (3)  
106 Elementary Japanese—Review (3)  
112 Intensive Intermediate Japanese (6)  
162 Intermediate Japanese (4)  
212 Third-Level Japanese (3)  
252 Japanese for Reading Knowledge (3)  
402 Japanese Literature in English (3)  
416 Japanese Grammar—Colloquial (3)  
418 Fourth-Level Japanese (3)

#### KOREAN

- 112 Intensive Intermediate Korean (6)  
162 Intermediate Korean (4)

#### MATHEMATICS

- 102 Plane Trigonometry (3)  
103 College Algebra (3)  
135 Calculus I (4)  
136 Calculus II (4)  
402 Differential Equations II (3)

#### MUSIC

- 150 Elementary Musicianship (3)  
152 String Methods (2)  
160 Introduction to Music Literature (3)  
453 Advanced Brass Methods (2)  
455 Advanced Percussion Methods (2)

#### PHILOSOPHY

- 100 Introduction to Philosophy (3)

#### POLITICAL SCIENCE

- 110 Introduction to Political Science (3)  
463 International Relations of South and Southeast Asia (3)  
684 Politics and Administration of Educational Policy (3)

#### PSYCHOLOGY

- Psychology 102 or 104 is prerequisite to all other psychology courses listed below.  
104 Introduction to Psychology (3)  
220 Statistical Techniques (3)  
306 Psychology of Learning (3)  
460 Psychology of Personality (3)  
660(3) Seminar: Statistics and Measurements (2)  
600(6) Seminar: Personality (2)  
600(12) Seminar: Learning (2)  
620 Quantitative Methods I (3)

#### RELIGION

- 151 Meaning of Existence (3)

#### SANSKRIT

- 102 Elementary Sanskrit (3)  
152 Intermediate Sanskrit (3)

#### SOCIOLOGY

- 151 Introduction to the Study of Society (3)  
201 Principles of Sociology (3)

#### SPANISH

- 102 Elementary Spanish (3)  
152 Intermediate Spanish (3)  
204 Advanced Grammar and Conversation (3)

#### SPEECH

- 140 Fundamentals of Oral Communication (2)  
150 Public Speaking (3)  
221 Methodology of Speech Correction (3)  
223 Testing of Hearing (3)  
598 Special Problems (2) (for Keio Program only)  
623 Advanced Practicum in Speech Pathology (2)  
626 Seminar in Audiology (2)

#### TAGALOG

- 102 Elementary Tagalog (3)  
152 Intermediate Tagalog (3)

#### THAI

- 112 Intensive Intermediate Thai (6)  
152 Intermediate Thai (3)

#### SOUTH SEAS CRUISE

- Geography 560 Geography of the Pacific Ocean Area (3) (June 26-August 1)  
English 585 Literature of the Pacific (3) (July 17-August 22)

- 640(4) Seminar in Special Methods: Health and Physical Education (3)
- 640(7) Seminar in Special Methods: Mathematics Education (3)
- 640(8) Seminar in Special Methods: Science Education (3)
- 640(9) Seminar in Special Methods: Social Studies Education (3)
- 679 Supervision of Student Teaching (2)
- 733 Seminar in Curriculum, Secondary (3)

## ENGINEERING

### CIVIL ENGINEERING

- 170 Applied Mechanics I (3)
- 271 Applied Mechanics II (3)

### ELECTRICAL ENGINEERING

- 102 Electrical Science (3)
- 211 Circuit Theory I (3)

### GENERAL ENGINEERING

- 101 Engineering Graphics (2)
- 105 Engineering Graphics (3)

### MECHANICAL ENGINEERING

- 231 Thermodynamics (3)
- 243 Mechanics of Solids (3)

## ENGLISH

- 101 Expository Writing (3)
- 102 Expository Writing (3)
- 150 Major works of British and American Literature (3)
- 151 Major Works of British and American Literature (3)
- 152 World Literature: To the Renaissance (3)
- 153 World Literature: 1600 to the Present (3)
- 154 Types of Literature (3)
- 155 Types of Literature (3)
- 209 Written Communication (3)
- 210 Technical Exposition (3)
- 220 Structure of American English (3)
- 231 Introduction to Poetry (3)
- 336 Introduction to Literary Problems (3)
- 444 Modern Dramatic Literature (3)
- 448 The English Novel, 1832-1900 (3)
- 452 Chaucer (3)
- 457 Shakespeare (3)
- 471 Late Eighteenth-Century English Literature (3)
- 485 Victorian Literature (3)
- 490 Twentieth-Century British Novel (3)
- 571 American Literature: Beginning to the Civil War (3)
- 573 American Literature and Cultural History (3)
- 585 Literature of the Pacific (3)
- 590 Twentieth-Century American Novel (3)
- 625 History of the English Language (3)
- 630 Seminar in Research Methods (3)
- 635 Seminar in Comparative Literature: Theory and Practice of Tragic Drama (3)
- 685 Seminar in English Literature: Keats (3)

## ENGLISH LANGUAGE INSTITUTE

- 50 English as a Second Language (0)
- 60 Intermediate English as a Second Lang. (0)
- 110 Advanced English as a Second Language (3)
- 120 Reading Program for Foreign Students (2)
- 130 Writing Program for Foreign Students (3)

## EUROPEAN STUDIES

- 620 Study Tour (3 or 5)

## FRENCH

- 101 Elementary French (3)
- 151 Intermediate French (3)
- 211 Conversation and Composition (3)
- 417 Literature of the Twentieth Century (3)

## GENETICS

- 451 Principles of Genetics (3)

## GEOGRAPHY

- 101 Elements of Physical Geography (3)
- 102 World Regional Geography (3)
- 151 Economic Geography (3)
- 470 Population Geography (2)
- 553 Geography of China (3)
- 555 Geography of South Asia (2)
- 556 Geography of Southeast Asia (2)
- 571 Geography of the Pacific Islands (2)

## GEOSCIENCES

- 101 Introduction to Geosciences (4)

## GERMAN

- 101 Elementary German (3)
- 153 Intermediate: Science German (3)

## HAWAIIAN

- 101 Elementary Hawaiian (3)
- 151 Intermediate Hawaiian (3)

## HINDI

- 101 Elementary Hindi (3)
- 151 Intermediate Hindi (3)

## HISTORY

- 151 World Civilization (3)
- 171 Introduction to American History (3)
- 341 History of the Far East to the Mid-19th Century (2)
- 401 Greek Civilization (2)
- 402 Roman Civilization (2)
- 439 Australia and New Zealand (2)
- 451 History of Russia to 1850 (3)
- 461 History of the United States to 1789 (2)
- 481 American Thought and Culture (3)
- 531 History of China (2)
- 552 History of South Asia, 1000 A.D.-Present (2)
- 556 Islamic History of the Middle East to 1517 (3)
- 557 The Modern Middle East Since 1914 (3)
- 571 History of Oceania (2)
- 575 The United States in the Pacific (3)
- 577 History of the Hawaiian Islands (2)
- 635 The Colonial Period in American History (3)
- 641 Seminar in American Diplomatic History (3)
- 661 Seminar in Chinese History (3)
- 663 Seminar in Indian History (3)
- 671 Seminar in Russian History (3)
- 712 Seminar in Historiography (3)

## HOME ECONOMICS

- 210 Institute on Foods of the Pacific (3)
- 500 Food and People (3)
- 501 Home Economics Curricula (3)
- 510 Cultural Foundations of Family Life (3)

## INDONESIAN

- 111 Intensive Elementary Indonesian (6)
- 151 Intermediate Indonesian (3)

## JAPANESE

- 101 Elementary Japanese (3)
- 105 Elementary Japanese-Review (3)

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- 751 The Community College Curriculum (3)  
 752 The College Teacher (3)  
 768 Research Seminar in Educational Administration (3)  
 770 Seminar in Supervision of Instruction (3)  
 780(1) Seminar in Educational Administration: Elementary (3)
- EDUCATIONAL PSYCHOLOGY
- 309 Tests and Measurements (3)  
 315 Arts and Crafts for Mentally Retarded (2)  
 372 Educational Psychology (3)  
 374 General Educational Psychology (5)  
 404 Education of Exceptional Children (3)  
 405 The Mentally Retarded (3)  
 406 Curriculum Development for Mentally Retarded Children (3)  
 408 The Emotionally Disturbed Child (3)  
 451 Practicum for Teachers of Emotionally Disturbed Children (6)  
 507 Remedial Reading (3)  
 514 Audio-Visual Media (3)  
 515(1) Field Problems in Teaching Exceptional Children: Educable Mentally Retarded (3)  
 601 Guidance in the School (3)  
 602 Elementary School Guidance (3)  
 604 Occupational Information in Guidance (3)  
 605 Problems of School Adjustment (3)  
 609 Tests and Inventories in Guidance (3)  
 614 Education of Gifted Children (3)  
 621(1) Training Institute in Special Education: Educable Mentally Retarded (6)  
 621(7) Training Institute in Special Education: Orthopedically Handicapped (4)  
 621(8) Training Institute in Special Education: Learning Disabilities (4)  
 629 Educational Statistics (3)  
 634 Television in Education (3)  
 644 Educational Television (3)  
 672 Advanced Educational Psych.: Learning (3)  
 673 Advanced Educational Psychology: Psycho-Social Development (3)  
 701(3) Seminar in Guidance: Counseling (3)  
 701(7) Seminar in Guidance: Group Proced. (3)  
 702 Group Guidance (3)  
 705 Production of Audio-Visual Materials (3)  
 708 Educational Research Methods (3)  
 714 Organization of New Media Programs (3)  
 729 Scaling Qualitative Data (3)
- ELEMENTARY EDUCATION
- 222 Principles of Elementary Education (4)  
 320 Language Arts, Elementary (3)  
 322 Social Studies, Elementary (2)  
 323 Science, Elementary (2)  
 324 Mathematics, Elementary (3)  
 325 Trends in the Teaching of Elementary Mathematics (2)  
 326 Creative Art, Elementary (2)  
 330 Creative Expression in Elem. Educ. (3)  
 531 Education of the Slow Learners (3)  
 532 Curriculum Development and Instruction for the Slow Learners (3) (same as SE 532)  
 620 Teaching Reading in the Elem. School (2)  
 621 Modern Language Arts Program, Elem. (2)  
 622 Elementary School Curriculum (3)
- 623 Elementary Science Curriculum (3)  
 624 The Elementary Mathematics Curriculum (3)  
 625 The Elementary Social Studies Curriculum (3)  
 626 Art in Elementary Education (3)  
 630 Curriculum Development in Creative Expression (3)  
 667 Curriculum Trends in Early Childhood Education (3)  
 679 Supervision of Student Teaching (2)  
 722 Seminar in Elem. Curriculum Foundations (3)
- HEALTH AND PHYSICAL EDUCATION
- 101 Aquatic Activities (1)  
 102 Individual and Dual Activities (1)  
 111 Intermediate Swimming (1)  
 112 Advanced Swimming (1)  
 114 Developmental Activities (1)  
 115 Tumbling (1)  
 117 Principles and Techniques of Self-Defense (1)  
 124 Dances of Hawaii (1)  
 127 Intermediate Golf (1)  
 130 Personal Hygiene (1)  
 211 Methods and Materials of Aquatics and Life Saving (2)  
 221 Physical Education, Elementary (2)  
 222 Skills and Activities in Secondary Physical Education (2)  
 230 School Health Problems (2)  
 276 Current Trends in Health (2)  
 503 Scientific Foundations of Phys. Ed. (3)  
 521 Administrative Problems in Physical Education (3)  
 643 Public School Curriculum for Physical Education (3)  
 663 Mechanical Analysis of Sports Activities (3)
- HISTORY AND PHILOSOPHY OF EDUCATION
- 650 History of Education (3)  
 660 Philosophy of Education (3)  
 671 Comparative Education: Asia (3)  
 683 Social Foundations of Education (3)  
 751 History of American Education (3)
- INDUSTRIAL EDUCATION
- 300 Industrial Crafts—Jewelry and Lapidary Processes (2)  
 307 Advanced Drafting and Design (3)  
 401 Problems in Industrial Education (var.)  
 402 Improvement of Instruction, Industrial Education (var.)  
 764 Seminar in Industrial Education (2)
- SECONDARY EDUCATION
- 230 Secondary Education (4)  
 235 Literature for Adolescents (2)  
 331 Teaching of Reading in Intermediate and High School (2)  
 531 Education of the Slow Learners (3) (same as EE 531)  
 532 Curriculum Development and Instruction for the Slow Learners (3) (same as EE 532)  
 634 Extraclass Activities in Secondary Schools (2)  
 635 Junior High School Curriculum (3)  
 636 Secondary School Curriculum (3)  
 637 Art in Secondary Education (3)  
 640(1) Seminar in Special Methods: Business Education (3)

## SUMMER SESSION CALENDAR

### FIRST TERM (June 20–July 29)

May 18–21 .....	Early registration (for residents of Hawaii)
June 20, Monday .....	Regular registration
June 21, Tuesday .....	Instruction begins
July 4, Monday .....	Holiday
July 29, Friday .....	First term ends

### SECOND TERM (August 1–September 9)

August 1, Monday .....	Regular registration
August 2, Tuesday .....	Instruction begins
September 5, Monday .....	Holiday
September 9, Friday .....	Second term ends

## GENERAL INFORMATION

**UNIVERSITY OF HAWAII.** The University of Hawaii is a federal land-grant and state university. It has colleges of Arts and Sciences, Business Administration, Education, Engineering, General Studies, Health Sciences (including schools of Medicine, Nursing, and Public Health), and Tropical Agriculture, and a Graduate School of Library Studies, a School of Social Work, and a System of Community Colleges. It offers the master's degree in 63 fields and the doctorate in 21.

**ADMISSION.** Students wishing to take summer session courses for credit may submit transcripts of their college records or certificates of good standing signed by their registrar or dean. Teachers in service may submit certificates signed by their supervising official. High school graduates who have not enrolled in college must submit certification of admission to an accredited college. Printed certificate forms will be sent, upon request, from the Office of Admissions and Records, University of Hawaii.

**TUITION AND FEES.** The tuition is \$15 per credit hour. An activity fee of \$2.50 is charged every student for the first six-week term. No laboratory or other course fees except in Applied Music and Institute courses. All fees are payable at registration time. No money should be sent in advance. No extra charges are made for out-of-state students.

**STUDENT HOUSING.** Residence hall accommodations will be available to summer session students for the first term only. Inquiries should be sent to: Director of Student Housing, Johnson Hall A, University of Hawaii, Honolulu, Hawaii 96822. It should be noted that admission to the University is made without reference to the availability of housing. Although information on off-campus accommodations is not mailed out, students upon arrival in Honolulu are invited to come to the Student Housing office to obtain information on off-campus housing. Negotiations with landlords for such accommodations must be made by the student.

**CHANGES.** The University reserves the right to make changes in curriculum and fees.

**OTHER INFORMATION.** Full details will be given in the 1966 summer session catalogue, to be published in the spring. For a copy of the catalogue, enclose 25¢ in coins (for surface mail) or 75¢ in coins (for air mail) and send your request to the Bookstore, University of Hawaii, Honolulu, Hawaii 96822. A final list of courses and other information will be available on registration day. Inquiries may be addressed to:

Summer Session Office  
2550 Campus Road, Room 208  
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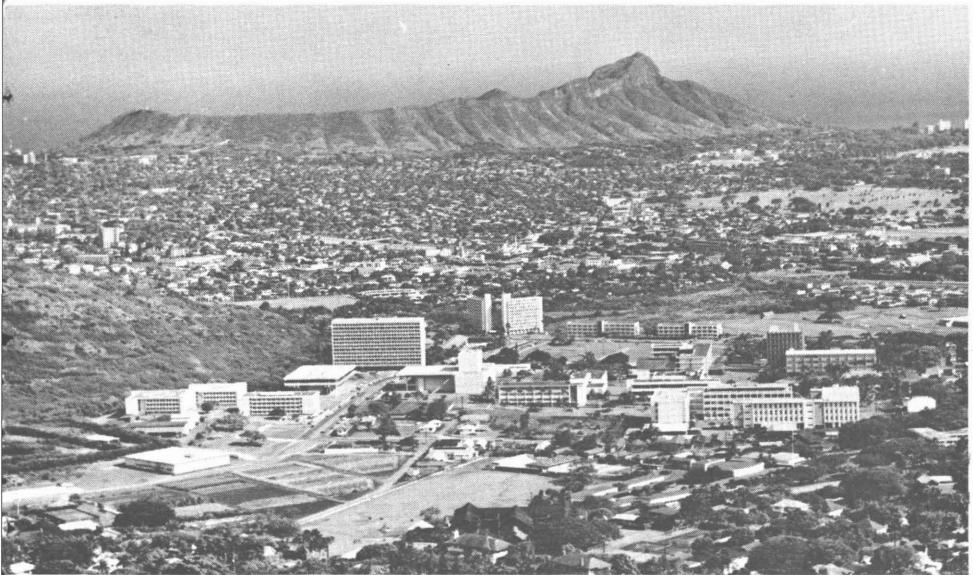
# University of Hawaii 1966 Summer Session

Catalogue

Fortieth Annual

# Summer Session

University of Hawaii • 1966



**UNIVERSITY OF HAWAII BULLETIN**

**VOLUME XLV**

**MARCH 1966**

**NUMBER 3**

The University of Hawaii Bulletin is published in November, February, March, and May by the University of Hawaii, Honolulu, Hawaii, U.S.A. Entered as second-class matter at the post office at Honolulu, Hawaii, November 14, 1921, under Act of Congress of August 24, 1912.

PRICE 25 CENTS

## 1966 CALENDAR

### JUNE

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

### JULY

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

### AUGUST

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

### SEPTEMBER

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

### FIRST TERM (June 20–July 29)

May 18–21 .....	Early registration (for residents of Hawaii)
June 20, Monday .....	Regular registration
June 21, Tuesday .....	Instruction begins
June 24, Friday .....	Last day of registration for credit
June 27, Monday .....	Last day for withdrawal from courses without grade penalty
July 4, Monday .....	Legal holiday
July 22, Friday .....	Last day for withdrawal from courses
July 29, Friday .....	First term ends

### SECOND TERM (August 1–September 9)

August 1, Monday .....	Registration
August 2, Tuesday .....	Instruction begins
August 5, Friday .....	Last day of registration for credit
August 8, Monday .....	Last day for withdrawal from courses without grade penalty
September 2, Friday .....	Last day for withdrawal from courses
September 5, Monday .....	Legal holiday
September 9, Friday .....	Second term ends

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\*Mailing address:

Summer Session Office  
2550 Campus Road, Room 208  
University of Hawaii  
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 KEIICHIRO OKUTSU, B.A. (Tokyo University of Education), *Instructor in Japanese*  
 GLENN PANG-CHING, M.S. (Los Angeles State), *Assistant Professor of Speech*  
 CHANG-HAI PARK, M.A. (Yonsei University), *Assistant Professor of Korean*  
 OUIDA F. PAUL, ED.D. (Columbia), *Assistant Professor of Music*  
 ALEX L. PICKENS, ED.D. (Columbia), *Associate Professor of Education*  
 ABRAHAM PIANAIA, B.A. (Hawaii), *Lecturer in Geography*

- PETER N. D. PIRIE, PH.D. (Australian National University), *Assistant Professor of Geography*
- ROBERT E. POTTER, ED.D. (Illinois), *Associate Professor of Education*
- PETER A. POWLISON, M.A. (Stanford), *Lecturer in Asian Studies*
- MERRELL PRATT, PH.D. (Ohio State), *Associate Professor of Marketing*
- ROBERT M. REED, M.A. (Michigan), *Associate Professor of Education*
- NORMAN D. RIAN, ED.D. (Columbia), *Professor of Music*
- E. GENE RITTER, PH.D. (Missouri), *Assistant Professor of Speech*
- R. SLAMET ROOSMAN, DOCTORANDUS IN INDOLOGY (University of Leyden),  
*Assistant Professor of Indonesian*
- JAMES M. ROSEN, M.F.A. (Cranbrook Academy of Art), *Assistant Professor of Art*
- LOIS R. RUSSELL, *Lecturer in Music*
- IONE J. RYAN, ED.D. (Stanford), *Assistant Professor of Education*
- DAVID G. RYANS, PH.D. (Minnesota), *Professor of Education*
- S. K. SAKSENA, PH.D. (University of London), *Professor of Philosophy*
- RICHARD A. SANDERSON, PH.D. (Southern California), *Assistant Professor of Education*
- KYOHEI SASAKI, PH.D. (Columbia), *Associate Professor of Business Analysis and Statistics*
- MAMORU SATO, M.F.A. (Colorado), *Instructor in Art*
- GILBERT SAX, PH.D. (Southern California), *Associate Professor of Education*
- JOSEPH J. SCHWITTERS, B.A. (St. Ambrose), *Instructor in Health and Physical Education*
- GEORGE M. SEICHI, M.S. (Indiana), *Instructor in Health and Physical Education*
- FRIEDRICH SEIFERT, TH.D. (Pacific School of Religion), *Assistant Professor of Religion*
- KAP-KYUNG SEO, PH.D. (Cincinnati), *Assistant Professor of Business Economics*
- EMMA SHARPE, *Lecturer in Health and Physical Education*
- GEORGE K. SIMSON, PH.D. (Minnesota), *Assistant Professor of English*
- BARBARA B. SMITH, M.M. (Eastman School of Music), *Professor of Music*
- WARE SMITH, M.A. (California at Berkeley), *Instructor in English*
- LAURENCE H. SNYDER, SC.D. (Harvard), *Senior Professor of Genetics*
- ROBERT A. SOLLER, M.F.A. (Hawaii), *Assistant Professor of Drama and Theatre*
- MARGARET I. SPENCER, M.A. (Michigan), *Instructor in Chinese*
- HERBERT B. STELLMACHER, M.B.A. (Southern Methodist), *Assistant Professor of Marketing*
- HELEN C. STEVENS, M.A. (Colorado), *Lecturer in Library Studies*
- TRAVIS L. SUMMERSGILL, PH.D. (Harvard), *Professor of English*
- RICHARD A. SUTLIFF, M.A. (Indiana), *Instructor in English*
- KATHLENE H. SUTTON, M.A. (Columbia), *Instructor in English*
- FLOYD T. SWANN, M.B.A. (Miami), *Assistant Professor of Economics and Business*
- HAROLD TANYZER, PH.D. (Connecticut), *Professor of Education*

GEORGE T. TAOKA, PH.D. (Illinois), *Assistant Professor of Civil Engineering*  
 MARGARET G. TAYLOR, M.L.S. (California at Los Angeles), *Instructor in Library Studies*

JOHN P. THOMAS, M.A. (New York), *Assistant Professor of Art*  
 PHYLLIS H. THOMPSON, PH.D. (Wisconsin), *Assistant Professor of English*  
 HENRY K. TOMINAGA, ED.D. (Colorado), *Assistant Professor of Education*  
 JOE ARDEN TRINE, M.B.A. (Wisconsin), *Assistant Professor of Accounting*  
 KAZUKO TSURUOKA, M.A. (International Christian University), *Instructor in Japanese*

MURRAY TURNBULL, M.A. (Denver), *Professor of Art*  
 FLOYD Y. UCHIMA, M.MUS.ED. (Northwestern), *Instructor in Music*  
 MARGARET USHIJIMA, M.S. (Smith), *Junior Specialist in Student Personnel*  
 JACK F. UTTING, M.A. (Washington), *Assistant Professor of Speech*  
 YUKUO UYEHARA, M.A. (Hawaii), *Professor of Japanese*  
 HENRY B. VASCONCELLOS, M.A. (San Jose State), *Associate Professor of Health and Physical Education*

MARION VASCONCELLOS, B.ED. (Hawaii), *Lecturer in Health and Physical Education*

RAYMOND VAUGHT, PH.D. (Stanford), *Professor of Music*  
 VALDO H. VIGLIELMO, PH.D. (Harvard) *Associate Professor of Japanese*  
 RICHARD W. VINE, M.M. (MacPhail College of Music), *Professor of Music*  
 ERIC WALTHER, PH.D. (Yale), *Assistant Professor of Philosophy*  
 CHEN WANG, M.A. (Washington), *Instructor in Chinese*  
 LOUIS P. WARSH, M.A. (California at Berkeley), *Assistant Professor of History and Political Science*

LORINDA E. WATSON, M.A. (Hawaii), *Instructor in Speech*  
 ERNEST C. WEAVER, M.ED. (Lewis & Clark), *Instructor in Education*  
 LAWRENCE T. WELLEIN, PH.D. (Washington), *Assistant Professor of English*  
 JOHN A. WHITE, PH.D. (Stanford), *Professor of History*  
 NANCY C. WHITMAN, PH.D. (Illinois), *Assistant Professor of Education*  
 BONNIE J. WILEY, PH.D. (Southern Illinois), *Assistant Professor of English and Journalism*

JEAN WILLIAMS, *Lecturer in Art*

ROBERT WILLIAMS, M.A. (Chicago), *Instructor in English*  
 SHIGEHARU YAMADA, B.A. (Hawaii), *Lecturer in Art*  
 PEARL N. YAMASHITA, M.A. (Iowa), *Instructor in Education*  
 KENICHIRO K. YASUDA, D.LITT. (Tokyo University), *Assistant Professor of Japanese*

ALAN M. YONAN, M.A. (Michigan State), *Instructor in Speech*  
 GEORGE S. YOSHISHIGE, B.A. (Hawaii), *Instructor in Education*  
 JOHN YOUNG, PH.D. (Johns Hopkins), *Professor of Japanese*  
 JOAN Y. YUHAS, M.A. (Northwestern), *Instructor in Speech*

## Visiting Summer Faculty

- DON ADEE, PH.D., *Professor of Physical Education, Chico State College*  
GEORGIA LEE ABEL, M.A., *Professor of Education, San Francisco State College*  
PATRICE ABENSOUR, DIP. D'ETUDES SUPERIEURES DE LETTRES, *University de Besancon, France*  
JOHN ELIOT ALLEN, PH.D., *Professor of Geology, Portland State College*  
HENRY BAMMAN, ED.D., *Professor of Education, Sacramento State College*  
ALEX BAVELAS, PH.D., *Professor of Psychology, City University of New York, City College*  
JUDSON S. BROWN, PH.D., *Professor of Psychology, University of Iowa*  
NICOLE BRUCH, AGREGEE DE LETTRES, *Prof. Agregee de Lettres Modernes, Lycee de Moulins, France*  
ARDATH W. BURKS, PH.D., *Professor of Political Science, Rutgers the State University*  
CHUNG-YUAN CHANG, PH.D., *Professor of Chinese Philosophy and Literature, St. John's University, Jamaica, New York*  
ROBERT I. CRANE, PH.D., *Professor of History, Duke University*  
J. WESLEY CRUM, PH.D., *Dean of Instruction, Central Washington State College*  
RACHEL W. DE ANGELO, M.S.L.S., *Professor of Library Science, Drexel Institute of Technology*  
BRYCE GILMORE DECKER, B.A., *Assistant Professor of Geography, University of Delaware*  
GEORGE D. DEMOS, PH.D., *Dean of Students, Long Beach State College*  
DON C. DINKMEYER, PH.D., *Chairman Psychology Department, National College of Education*  
MILDRED E. DOSTER, M.D., *Assistant Director, Health Service Department, Denver Public Schools*  
EDWIN D. DRIVER, PH.D., *Professor of Sociology, University of Massachusetts*  
CLARENCE C. DUNSMOOR, ED.D., *Director, Board of Cooperative Education Services, Indian Rocks Beach, Florida*  
MARGARET J. EARLY, ED.D., *Professor of Education, Syracuse University*  
CHARLES L. DURRANCE, ED.D., *Professor of Education, University of Florida*  
RICHARD H. FOGLE, PH.D., *Professor of English, Tulane University*  
FREDERIK FELTHAM, PH.D., *Professor of English, San Francisco State College*  
ARTHUR FERRILL, PH.D., *Assistant Professor of History, University of Washington*  
ANN FISCHER, PH.D., *Associate Professor, Tulane University*  
JOHN L. FISCHER, PH.D., *Professor of Anthropology, Center for Advanced Study in Behavioral Sciences, Stanford, California*  
BENJAMIN FRANKEL, PH.D., *Professor of History and Chairman, St. Marys College, California*  
EDWIN N. GARLAN, PH.D., *Professor of Philosophy, Reed College*

- ROGER C. GREER, PH.D., *Head Librarian, State University College, Potsdam*
- SCOTT GREER, PH.D., *Professor of Sociology, Northwestern University*
- SAMIA HALABY, M.F.A., *Associate Professor of Art, Kansas City Art Institute*
- SEYMOUR LEE GROSS, PH.D., *Associate Professor of English, University of Notre Dame*
- NORMAN C. HARRIS, M.A., *Professor of Technical Education, University of Michigan*
- FRANK M. HEWETT, PH.D., *Assistant Professor of Education, University of California, Los Angeles*
- ALBERTA HILL, ED.D., *Associate Professor of Home Economics, Iowa State College*
- ANTEI HIYANE, D.D., *Professor at Tokyo Union Theological University, Tokyo, Japan*
- TOSHIO IRITANI, PH.D., *Instructor, Tokai University, Tokyo, Japan*
- EMLYN JONES, PH.D., *Professor of History, Green River College*
- FRANK WILLIAM JONES, PH.D., *Associate Professor of English, University of Washington*
- ILTJA HUSAIN KHAN, PH.D., *Lecturer in Political Science, Aligarh University, India*
- VICTOR NOBUO KOBAYASHI, PH.D., *Assistant Professor of Education, University of Michigan*
- GEORGE L. KEPPERS, ED.D., *Professor of Education, University of New Mexico*
- MARTHA KING, PH.D., *Professor of Elementary Education, Ohio State University*
- MELVIN LANG, ED.D., *Associate Professor of Education, Glassboro State College*
- JOSEPH R. LEVENSON, PH.D., *Sather Professor of History, University of California, Berkeley*
- MIRIAM LOWENBERG, PH.D., *Professor of Pediatrics, University of Washington*
- DAVID MARS, PH.D., *Associate Professor of Political Science, University of Southern California*
- FLOYD MATSON, PH.D., *Lecturer in Speech, University of California, Berkeley*
- LOLA J. MAY, PH.D., *Consultant, Winnetka Public Schools, Illinois*
- JOHN K. MATHISON, PH.D., *Professor of English, University of Wyoming*
- JOHN D. MCAULAY, ED.D., *Professor of Education, Pennsylvania State University*
- FRED A. MACKINNON, M.ED., *Division of Guidance and Special Education, Saskatoon Public School Board*
- ROBERT A. MEIER, PH.D., *Professor of Business, Loyola University, Chicago*
- FRED K. MEINECKE, B.A., *Lecturer in Anthropology, University of California, Berkeley*
- JOHN N. MILLER, PH.D., *Assistant Professor of English, Denison University*
- FRANK S. MIYAMOTO, PH.D., *Professor of Sociology, University of Washington*
- WILBUR F. MURRA, PH.D., *Professor of Education, Southern Colorado State College*
- JOHN E. MUTHARD, PH.D., *Professor of Psychology, University of Iowa*



Scientist at work  
in geophysics institute  
laboratory

Gregg M. Sinclair Library



MICHAEL NEUSHUL, JR., PH.D., *Associate Professor of Botany, University of California, Santa Barbara*

ROBERT W. O'BRIEN, PH.D., *Professor of Sociology, Whittier College*

JOHN W. OLSEN, ED.D., *Professor and Chairman, Department of Fine and Applied Arts, Fullerton State College*

JOHN T. PALMER, PH.D., *Dean of Students, San Fernando Valley State College*

J. CARTER PARKES, ED.D., *Director, Testing and Counseling Center, Austin College*

ARTHUR H. PARMELEE, M.D., *Associate Professor of Pediatrics, School of Medicine, University of California, Los Angeles*



- PETER G. ROSSBACHER, PH.D., *Associate Professor of Modern Languages, Jamestown College*
- YIH-FU RUEY, B.A.S.E., *Professor and Chairman, Department of Anthropology and Archeology, National University of Taiwan*
- EDWARD H. SCHAFER, PH.D., *Professor of Chinese, University of California, Berkeley*
- GEORGE A. SCHNELL, PH.D., *Associate Professor of Geography, State University College, New Paltz*
- GEORGE SHEPHERD, PH.D., *Assistant Professor of Education, University of Oregon*
- GERALDINE B. SIKS, M.A., *Professor of Drama, University of Washington*
- KHUSHWANT SINGH, B.L.L., *Historian and Writer, New Delhi, India*
- RICHARD SHUTLER, JR., PH.D., *Curator of Anthropology, Nevada State Museum*
- MELVIN SLOAN, M.A., *Associate Professor of Cinema, University of Southern California*
- J. CHESTER SWANSON, PH.D., *Professor of Educational Administration, University of California, Berkeley*
- JANET SWITZER, PH.D., *Chief Psychologist, Frostig School, Los Angeles*
- EDWARD TELLER, PH.D., *Professor-at-large, University of California*
- HOWARD THOMAS, *Professor of Art, University of Georgia*
- WILLIAM THOMAS, PH.D., *Professor and Chairman, Department of Anthropology and Geography, Hayward State College*
- RICHARD THOMPSON, PH.D., *Head, Chinese Division, Georgetown University*
- MURIEL G. THOMSON, ED.D., *Consultant, Division of Research and Guidance, Office of Los Angeles County Superintendent of Schools*
- ERNEST FRED TIEMANN, ED.D., *Professor of Educational Psychology, University of Texas*
- MAURICE D. VAN ARSDOL, PH.D., *Professor of Sociology and Anthropology, University of Southern California*
- DAVID D. VAN TASSEL, PH.D., *Professor of History, University of Texas*
- LEDYARD R. TUCKER, PH.D., *Professor of Psychology, University of Illinois*
- KENNETH N. VINES, PH.D., *Professor of Political Science, Tulane University*
- JOE H. WARD, JR., PH.D., *Chief, Computer Analysis Branch, U. S. Air Force*
- ISAAC D. WELT, PH.D., *Research Professor of Chemistry, American University*
- MICHAEL WERTHEIMER, PH.D., *Professor of Psychology, University of Colorado*
- JAMES E. WHEELER, PH.D., *Professor of Education, Rutgers the State University*
- DOUGLAS E. WISEMAN, ED.D., *Research Associate, Institute in Research for Exceptional Children, University of Illinois*
- WARREN W. WOOD, PH.D., *Associate Professor of General Engineering, San Jose State College*
- NITA M. WYATT, ED.D., *Associate Professor of Education, University of Kansas*
- RICHARD D. YOUNG, PH.D., *Assistant Professor of Psychology, Indiana University*

# The University of Hawaii

THE UNIVERSITY OF HAWAII was founded in 1907 as the land-grant college for the Territory of Hawaii, and became a state university when Hawaii joined the Union as the fiftieth state in 1959. Its main campus is located in the Manoa Valley section of Honolulu, the capital of the state. It has seven colleges: Arts and Sciences, Business Administration, Education, Engineering, General Studies, Health Sciences (including schools of Medicine, Nursing, and Public Health), and Tropical Agriculture. It has begun a statewide system of two-year community colleges. The Graduate Division assumes the major role in the organization and development of graduate programs. There are graduate schools of Library Studies and Social Work. The master's degree is offered in 63 fields and the Ph.D. degree in 21 fields. The academic year is divided into two 18-week semesters, and the 12-week summer session into two 6-week terms, each term offering work equivalent to that of an academic semester.

The University of Hawaii is accredited by the Western Association of Schools and Colleges. Its classes are open to all academically qualified men and women. It has chapters of national honor societies such as Phi Beta Kappa, Phi Kappa Phi, Sigma Xi, Pi Gamma Mu, Phi Delta Kappa, Sigma Pi Sigma, Omicron Delta Kappa, Chi Epsilon, Delta Sigma Rho, Eta Kappa Nu, Phi Eta Sigma, Delta Phi Alpha, Pi Delta Phi, Mortar Board, and Alpha Lambda Delta.

## The Summer Session

**ADMISSION.** Persons wishing to take courses for credit must present satisfactory evidence of ability to do university work. Graduate and undergraduate students at other universities or colleges may submit either a transcript of their records or a special certificate filled out by the registrar or dean of their institution. Copies of the certificate may be obtained from the summer session office (or see the last page of this catalogue). The transcript or the certificate should include work done in the first semester of the current academic year and should be mailed or submitted to: Admissions and Records Office, 2444 Dole St., Honolulu, Hawaii 96822, no later than June 30. High school graduates who have been accepted for matriculation in an accredited college or university may submit the aforementioned certificate. Teachers in service may have the certificate signed by their superintendent or other supervising official.

*Admission to the summer session does not imply any guarantee of admission to the regular sessions of the University.*

**AUDITORS.** Persons wishing to attend certain lecture classes regularly, without receiving credit, may register as auditors. Auditors are not entitled to

participate in discussions, examinations, or other class activities, and are not permitted in seminars, laboratory sections, studio or activity courses. They are not subject to late registration fees. Courses audited will be designated with an "L" (for "Listener") on the student's records.

**VISITOR'S TICKETS.** Since the summer session provides an opportunity to hear classroom lectures given by many distinguished professors in various fields, visitor's tickets are available to persons who would like to visit different lecture classes without examination or credit. These tickets may be purchased at the business office, in Bachman Hall, for \$40.00 per summer term. The visitor's ticket must be shown upon demand and entitles the bearer to attend any classroom lecture other than in institute courses, if there is an available seat. Visitors are not to participate in classroom discussions or recitations or examinations, or any other activities of the course. 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, 634, 694, 815, and 894. Students registering for the first time under these laws should bring with them their Certificate for Education and Training.

**FOREIGN STUDENTS.** Foreign students wishing to enroll in the summer session must report first to the English Language Institute, Kuykendall Hall 226. Those whose native language is English or who hold a degree from a college or university in an English-speaking country will be certified as exempt from English Language Institute training. All others must take an English proficiency examination, on May 14, June 14, or June 18, 1966. Those whose examination results indicate inability to undertake a full program of regular academic studies will be assigned to appropriate courses in the English Language Institute.

Newly selected East-West Center Asian grantees and other foreign students who need instruction in English are urged to attend the ELI summer courses, preparatory to enrollment in regular University of Hawaii classes in the fall. For additional details, write to: Director, English Language Institute, University of Hawaii, Honolulu, Hawaii 96822.

**CHANGES.** *The University reserves the right to make changes in fees, faculty assignments, and 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 of courses, including changes made after publication of this catalogue, will be available at registration time.

**STUDENT PROGRAMS.** Undergraduate students are limited to a maximum program of 6 credit hours in each 6-week summer term. In exceptional cases, 7 credit hours may be carried if approved by the appropriate college dean or, in the case of transient students (here for the summer only) by the Dean of

Summer Session. Evening courses being taken concurrently in the College of General Studies are to be included in the computation of total credits carried.

Graduate students may carry 7 credits during a 6-week term. The approval of the Dean of the Graduate Division, or the Dean of Summer Session in the case of transient students, is necessary for any heavier course load. The *Graduate Division Bulletin* lists courses acceptable for graduate credit.

**DEANS' OFFICES.** The offices of the deans are located as follows:

College of Arts and Sciences, Webster 201  
 College of Business Administration, Hawaii 107  
 College of Education, Wist 205  
 College of Engineering, Keller 219-A  
 College of General Studies, Hawaii 119  
 College of Health Sciences, PBRC 114  
     School of Medicine, PBRC 114  
     School of Nursing, Webster 415-A  
     School of Public Health, Spalding 255  
 College of Tropical Agriculture, Gilmore 101-A  
 Graduate Division, Spalding 358  
 Library Activities, Sinclair Library 15  
 Student Personnel, Bachman 214  
 Summer Session, Crawford 208

**REGISTRATION. *Early Registration.*** Early registration for the first summer term will be open to students registered at the University of Hawaii during the current spring semester and other qualified residents of Hawaii from 8 a.m. to 4 p.m., Wednesday through Friday, May 18-20, and from 8 a.m. to 12 noon, Saturday, May 21, 1966. Registration materials and instructions will be issued at the deans' offices.

***Regular Registration.*** Registration for the first summer term will take place on Monday, June 20, between 7:45 a.m. and 4:00 p.m. Students should report to rooms 150 and 152 in Bilger Hall, where they will be issued registration materials and instructions, according to the following time schedule (for last names):

C through E—at or after 7:45 a.m.  
 F through H—at or after 8:30 a.m.  
 I through K—at or after 9:15 a.m.  
 L through M—at or after 10:00 a.m.  
 N through Q—at or after 10:45 a.m.  
 R through S—at or after 11:30 a.m.  
 T through V—at or after 12:45 p.m.  
 W through Z—at or after 1:30 p.m.  
 A through B—at or after 2:15 p.m.

Regular registration for the second summer term will take place on Monday, August 1, according to the same procedure as given above.

**Late Registration.** Late registration will be permitted during the first two days of instruction if approved by the appropriate dean and during the succeeding two days if approved by both the dean and the instructor concerned. Thereafter, students may not register for credit but may be admitted as auditors with the consent of the Dean of Summer Session.

**CHANGE OF REGISTRATION.** Students who registered during the early registration period (May 18-21) may apply for a change of registration on Thursday, June 16, between 8 a.m. and 4 p.m. Other changes may be requested after instruction begins. Change of program forms may be obtained at the deans' offices.

**STUDENT NUMBERS.** The University uses Social Security numbers for student numbers. All students, therefore, must present Social Security cards at the time of their first registration at the University. Students who do not have numbers, those who have lost their cards, and those who have had name changes since getting cards should arrange with their local Social Security offices for assignment of numbers prior to registration. Students from foreign countries may make application for Social Security numbers at the time of registration.

**ZIP CODES.** The University cooperates with the United States Post Office Department in recording zip codes for all registered students. Students should acquaint themselves with zip codes, both for their permanent and local addresses, so that the codes may be entered on their registration materials.

**TUITION AND FEES.** The summer session receives no legislative appropriation and is expected to operate within the limits of its own revenues. The following schedule of fees applies equally to all students, including persons from out of state.

Tuition is \$16.00 per credit hour, whether the course is audited or taken for credit. There is no registration fee. There are no laboratory or other course fees, except for applied music, institutes, and other special programs as noted in the catalogue.

An activity fee of \$2.50 is charged during the first 6-week term.

Fees must be paid in full at the time of submission of registration cards. A student's registration is not complete until all fees have been paid.

A late registration fee of \$5.00 is charged beginning the day instruction starts.

There is a charge of \$5.00 for any change in program after registration unless waived for good cause by the Dean of Summer Session.

Library fines and others, such as for violating campus parking regulations, must be paid promptly. Students are expected to learn the campus driving, parking, and library rules. Parking stickers are sold at the business office in Bachman Hall.

**REFUNDS.** A student in good standing who withdraws from a course may obtain the following refunds, upon presenting his fee slip receipt:

\$10.00 per credit, until 4 p.m. on June 23 (first term); or until 4 p.m. on August 4 (second term).

\$5.00 per credit thereafter, until 4 p.m. on June 28 (first term); or until 4 p.m. on August 9 (second term).

There will be no refunds after June 28 in the first term and after August 9 in the second term. No part of the \$40.00 visitor's ticket or of the student activity fee is refundable.

**PERSONAL CHECKS.** Traveler's checks, cashier's checks, and money orders are accepted. Personal checks will be accepted for payment of summer session fees only when the amount of the check does not exceed the amount due from the student. *If the check is not honored by the bank concerned* the student will be assessed an additional charge of \$10.00.

**GRADES AND EXAMINATIONS.** Final examinations are given in all courses unless other methods of grading are authorized by the Dean of Summer Session. The final examination is 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 counted as "0" (zero) in computing the grade for the course. Students must complete all work and examinations required by their instructors, attend classes regularly until the end of each course, and hand in all assignments by that time. No part of the work may be continued beyond the end of the term.

The grading system is the same as in the regular sessions: *A*, excellent; *B*, good; *C*, fair; *D*, barely passing; *F*, failure. The grade *I* (incomplete) is not normally used in summer session.

**WITHDRAWALS.** To withdraw from a course a student must obtain a withdrawal form at the appropriate 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 will receive an F (failure) for the course.* During the first five days of instruction in any term a formal withdrawal is marked *W* on the student's record. Thereafter, and prior to the last five days of instruction in the term, a formal withdrawal is marked *W* if the student's work was of passing grade; otherwise it is marked *W-F*. No withdrawals from courses are permitted during the last five days of instruction.

To withdraw completely from the summer session, a student must fill out a form available at the Records office, and fulfill all its requirements.

**TRANSCRIPTS.** A student who requests the Records office 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."

**SCHOLARSHIPS.** No scholarships are available during the summer session, except in various institutes and special programs.

**LIBRARY PRIVILEGES.** Students will be issued identification cards for the use of library facilities and borrowing of library materials. On the second day after registration students may obtain their identification cards at Sinclair Library upon presentation of their registration receipts.

**GRADUATE SCHOOL OF LIBRARY STUDIES.** The program of the Graduate School of Library Studies was initiated in the 1965 summer session. Students wishing to work for the Master of Library Studies degree should study the catalogue of the School and follow the admission procedure described therein. For application forms, write to: The Office of the Dean, Graduate School of Library Studies, University of Hawaii, Honolulu, Hawaii 96822. The completed forms, transcripts, and letters of reference should be mailed to the same office. For those wishing to enter the program during the 1966 summer session, the foregoing documents should be transmitted by the beginning of June.

Classrooms, research  
labs adjoin  
on Manoa campus



## Summer Session Notes

**ENROLLMENT FIGURES.** The University of Hawaii summer session is one of the largest in the country. In 1965, a total of 15,508 students enrolled, registering for 61,519 credits. There were 490 students from other countries and 2,385 students from the mainland. All 49 mainland states (including Alaska) and the District of Columbia were represented, with the five largest groups coming from California (827), Texas (169), Washington (144), Illinois (125), and New York (120).

**COURSES ON ASIA AND THE PACIFIC.** In addition to standard courses comparable to those given at other American universities, the 1966 summer session offers many distinctive courses such as the following:

**Anthropology:** Asia and the Pacific; Ethnography of Southeast Asia; Aboriginal Populations of Inner Asia and Taiwan.

**Art:** Comparative Aspects of Asian Art; Bizen Ceramic Art; Field study in Japan.

**Asian and Pacific Languages:** Chinese; Hawaiian; Hindi; Indonesian; Japanese; Korean; Sanskrit; Tagalog; Thai.

**Asian Studies:** Summer Institute; Study Tour of the Orient.

**Botany:** Identification of Tropical Plants; Plant Life of the Sea.

**Economics:** Asian Economic Development; Economic Development of Japan.

**Education:** Comparative Education—Asia; Dances of Hawaii.

**English:** Literature of the Pacific.

**Geography:** China; South Asia; Southeast Asia; Pacific Islands; Hawaii.

**History:** Far East; China; Japan; South Asia; Middle East; Oceania; U.S. in the Pacific; Hawaii.

**Home Economics:** Institute on Foods of the Pacific.

**Library Studies:** Administration of Libraries in Asia; Asian Reference Sources.

**Music:** Institute on Asian Music in Music Education; applied courses in *Koto*, Hawaiian Chant, Japanese Dance, Filipino Dance.

**Oceanography:** Science of the Sea.

**Philosophy:** Indian; Buddhist; Chinese; Taoist.

**Political Science:** International Relations of East Asia; International Relations of South and Southeast Asia.

**Religion:** Religious Thought of India; Religious Thought of Japan; Living Religions of Hawaii.



**Sociology:** Community Forces in Hawaii; Race and Cultural Contacts in Hawaii; Race Relations in the Pacific; People and Institutions of China.

**INSTITUTE ON ASIAN STUDIES.** June 20–July 29. The Eighth Summer Institute on Asian Studies will be directed by Dr. Ardash W. Burks, of Rutgers State University. The program carries 6 graduate credits and is designed primarily for secondary school teachers and librarians, but it is open to others as well.

Besides Dr. Burks, the following distinguished scholars will be lecturing in the institute: Dr. Robert I. Crane, of Duke University, on South Asia; Dr. Joseph R. Levenson, of the University of California at Berkeley, on China; Dr. Minoru Shinoda, of the East-West Center, on Japan; and Dr. Walter F. Vella and Dr. Robert Van Niel, of the University of Hawaii, on Southeast Asia.

The East-West Center Institute for Student Interchange is offering 104 tuition and partial travel grants to secondary school teachers, administrators, and librarians selected for participation in this institute.

Membership fee in the institute is \$100, including tuition and student activity fees. For application forms write to: Summer Session Office, 2550 Campus Road, Room 208, University of Hawaii, Honolulu, Hawaii 96822.

**N.D.E.A. INSTITUTE FOR TEACHERS OF ENGLISH.** June 20–July 29. For teachers of English and language arts, grades 4-12. Sixty participants will be selected, 20 teachers from grades 4-6, another 20 from grades 7-9, and 20 from grades 10-12. All will take courses in composition, language, and interpretation of literature. They will also participate in a seminar on Problems of Developing an English Curriculum, and in laboratory sessions on development of sample lesson or curriculum plans under the supervision of experienced teachers. They will also observe, and occasionally may lead, demonstration classes of students representing the grades they teach. Inquiries should be addressed to the director of the institute: Dr. Richard L. Larson, 1733 Donaghho Road, Honolulu, Hawaii 96822.

**N.D.E.A. INSTITUTE FOR TEACHERS OF READING, GRADES 4-9.** June 20–July 29. To enable teachers to deal more effectively with the reading tasks imposed by their grade and subject matter, to plan a developmental reading program, to evaluate the performance of a class and to diagnose individuals, and to cope with those students who are not reading as well as they should. Enrollment will be limited to 60. Inquiries should be addressed to the director of the institute: Dr. Richard S. Alm, College of Education, University of Hawaii, 1776 University Avenue, Honolulu, Hawaii 96822.

**N.D.E.A. INSTITUTE FOR ADVANCED STUDY IN SPANISH AND JAPANESE.** June 20–July 29. To improve teachers' control of the language and their knowledge, both theoretical and practical, of the ways of teaching it to others, and to make broader and more precise their knowledge of the life

and institutions of the target area. Inquiries should be addressed to the director of the institute: Dr. James S. Holton, Department of European Languages, University of Hawaii, Honolulu, Hawaii 96822.

**N.D.E.A. COUNSELING AND GUIDANCE TRAINING INSTITUTE.**

June 20–July 29. To improve the qualifications of individuals who are engaged, or teachers preparing to engage, in counseling and guidance of students in elementary schools. Inquiries should be addressed to the director of the institute: Dr. DWane R. Collins, Department of Educational Psychology, University of Hawaii, Honolulu, Hawaii 96822.

**N.D.E.A. INSTITUTE FOR SECONDARY SCHOOL TEACHERS OF GEOGRAPHY.**

June 22–August 10. To provide improved concepts, approaches, and materials for use in secondary schools, and to acquaint teachers with current instructional and source materials. Inquiries should be addressed to the director of the institute: Dr. Peter Pirie, Department of Geography, University of Hawaii, Honolulu, Hawaii 96822.

**N.D.E.A. INSTITUTE IN UNITED STATES HISTORY, 1877-PRESENT.**

June 20–July 29. To strengthen the secondary school teacher's command of modern American history by concentrating on the themes of industrialization, urbanization, and minorities, and to train the teacher in the use of educational media that can enhance his teaching. Inquiries should be addressed to the director of the institute: Dr. James M. McCutcheon, Department of History, University of Hawaii, Honolulu, Hawaii 96822.

**N.D.E.A. EDUCATIONAL MEDIA INSTITUTE FOR UTILIZATION OF EDUCATIONAL TELEVISION IN THE STATE OF HAWAII.**

June 20–July 29. To provide elementary school teachers and administrators with a sufficient background of skills and competencies to effect optimum use of ETV and its integration into the curriculum. Inquiries should be addressed to the director of the institute: Mr. Geoffrey Z. Kucera, College of Education, University of Hawaii, 1776 University Avenue, Honolulu, Hawaii 96822.

**SECOND SUMMER INSTITUTE ON NUCLEAR DEFENSE DESIGN.**

June 20–July 29. The institute, directed by Dr. Mateo L. P. Go, Professor of Civil Engineering, University of Hawaii, is sponsored by the Department of Defense, the Office of Civil Defense, the American Society for Engineering Education, and the Association of Collegiate Schools of Architecture. It will offer a comprehensive, graduate level program for engineering and architectural faculty members, including a comprehensive treatment of fallout shelter analysis and protective construction, planning of shelter systems, and soil-structure interaction problems. Applications should be submitted in duplicate to the Projects Administrator, American Society for Engineering Education, 1346 Connecticut Avenue, N.W., Washington, D.C. 20036.

**TENTH N.S.F. SUMMER INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS OF SCIENCE AND MATHEMATICS.** June 20–July 29. To assist secondary school teachers in the important role of motivating young people to choose scientific and mathematical careers, and to improve their own subject matter competence. Inquiries should be addressed to the director of the institute: Dr. Harry Zeitlin, Department of Chemistry, University of Hawaii, Honolulu, Hawaii 96822.

**INSTITUTE IN SPEECH FOR HIGH SCHOOL TEACHERS AND STUDENTS.** June 20–July 30. Designed to meet two basic needs in Hawaii's speech education: first, practical in-service speech training for teachers; second, practical and intensive experience in forensics or interpretative arts for students. There will be separate divisions for (1) teachers, from June 20 to July 22, for which 4 credits may be earned; (2) students, from June 27 to July 30, for which certain high school credits may be earned. Inquiries should be addressed to: Chairman, Department of Speech, Room 131, 2560 Campus Road, University of Hawaii, Honolulu, Hawaii 96822.

**INSTITUTE ON ASIAN MUSIC IN MUSIC EDUCATION.** June 27–July 22. Will include study and performance of the music and dances of Asia, e.g., China, Japan, Korea, Okinawa, and the Philippines, and the development of curriculum materials for teachers of grades 1-6 (see Music 456). Inquiries should be addressed to the director of the institute: Prof. Barbara Smith, Department of Music, University of Hawaii, Honolulu, Hawaii 96822.

**INSTITUTE ON FOODS OF THE PACIFIC.** June 20–July 29. The food habits, customs, and cookery of China, Japan, Korea, the Philippines, and Hawaii (see HE 210). Inquiries should be addressed to: Assistant Dean Hazel V. Kraemer, Miller Hall 109, University of Hawaii, Honolulu, Hawaii 96822.

**SPECIAL SUMMER PROGRAM IN OCEANOGRAPHY.** June 20–July 29. Third annual program, with five Link Foundation scholarships to secondary school science teachers for directed research. Inquiries should be addressed to: Dr. Fred I. Kamemoto, Edmondson Hall 454, University of Hawaii, Honolulu, Hawaii 96822.

**SEMINAR IN SCHOOL HEALTH SERVICES (PH 692).** June 20–July 1. This 1-credit seminar is designed for health and educational personnel involved with school health programs, and for graduate students in public health or education. This seminar will be conducted by a visiting professor, Mildred E. Doster, M.D., who is Assistant Director, Health Service Department, Denver Public Schools, and Chairman of the School Health Section, American Public Health Association (1965-66). Registration will be limited to 40 students and will be held on June 14. May be audited.

**STUDY TOUR OF EUROPE (RETURNING VIA ASIA).** June 27–August 25. A study tour of Europe including the U.S.S.R. and returning round the world via Asia, will be led by Professor Robert M. Kamins, Director of Curriculum and Faculty Development, University of Hawaii. After two weeks of campus lectures and programs, and other preparations, the study group will leave for Europe by jet airplane on July 9, via San Francisco and New York. The tour will include London, Stratford-on-Avon, Paris, Berlin, Nuremberg, Munich, Rothenburg, Garmisch-Partenkirchen, Innsbruck, Venice, San Marino, Rome, Florence, Milan, Lugan, Lucerne, Zurich, Vienna, Moscow, Leningrad, New Delhi, Agra, Bangkok, Hong Kong, Tokyo, and Nikko. Travel arrangements will be handled by Mrs. Ruth Rittmeister, manager of International Travel Service of Honolulu. Some undergraduates will be accepted for undergraduate credit. Inquiries should be addressed to: Dr. Robert M. Kamins, 205 Bachman Hall, University of Hawaii, Honolulu 96822.

**STUDY TOUR OF THE ORIENT.** July 1–August 13. A study tour of the Far East and Southeast Asia will be led by Professor Andrew W. S. In. After a week of lectures and programs on campus, the tour group will leave Honolulu on July 9. The itinerary will include Tokyo, Nikko, Kamakura, Hakone, Atami, Kashikojima, Toba, Kyoto, Nara, Osaka, Okinawa, Taipei, Hualien, Manila, Tagaytay, Pagsanjan, Singapore, Kuala Lumpur, Bangkok, Ayudhya, Hong Kong, and Macao. Travel arrangements will be handled by Mrs. Ruth Rittmeister, manager of International Travel Service of Honolulu. Some undergraduates will be accepted for undergraduate credit. Inquiries should be addressed to: Dr. Andrew W. S. In, 214 Wist Hall, University of Hawaii, Honolulu, Hawaii 96822.

**ART STUDY TOUR OF NORTHWEST AND CENTRAL AMERICA.** June 20–July 30. A study tour concentrating on the indigenous arts of the Northwest Coast Indians and the historical sequences of cultures in Mexico and Central America, but also including colonial and modern arts as well. It will be led by Professor Ben Norris. After four days of campus lectures and other programs, the group will visit Portland, Seattle, Victoria, and Vancouver, for special programs in each city; then, with Mexico City as base of operations, the group will alternate visits to the Museum of Anthropology and History with tours to most of the major accessible sites in Mexico, Guatemala, and Honduras, including Tula, Mitla, Monte Alban, Chichenitza, Uxmal, Tikal, Copan, etc. Credit is available for either graduate or undergraduate students. Travel arrangements will be handled by Mrs. Ruth Rittmeister, manager of International Travel Service of Honolulu. Inquiries should be addressed to: Prof. Ben Norris, Department of Art, 2560 Campus Road, University of Hawaii, Honolulu, Hawaii 96822.

**ART AND ARCHITECTURE STUDY TOUR TO JAPAN.** July 1–August 10. This tour, led by Professor A. Bruce Etherington, will study tradi-

tional and contemporary art and architecture in Tokyo, Nikko, Nara, Kyoto, Ise, and Nagoya, with additional visits to the Mount Fuji, Hakone, and Atami areas. The tour will last 25 days, with an optional stay-over of an additional 35 days for independent touring. Inquiries should be addressed to: Prof. A. Bruce Etherington, Chairman, Department of Art, 2560 Campus Road, University of Hawaii, Honolulu, Hawaii 96822.

**SOUTH PACIFIC EDUCATIONAL CRUISES.** A course on Geography of the Pacific Ocean Area will be offered by Mr. Abraham Piianaia aboard the *S. S. Monterey*, leaving San Francisco on June 26 for a cruise of the South Pacific. A course on Literature of the Pacific will be offered by Professor Willard Wilson on the *S.S. Mariposa*, leaving San Francisco on July 17. Each ship will visit Los Angeles, Bora Bora, Papeete, Rarotonga, Auckland, Sydney, Noumea, Suva, Niuafo'ou, Pago Pago, and Honolulu, before returning to San Francisco.

For particulars, write to the Summer Session Office, 2550 Campus Road, Room 208, University of Hawaii, Honolulu, Hawaii 96822; or to the N.E.A. Division of Educational Travel, 1201 16th St., N.W., Washington, D.C. 20036; or to the Division of Educational Services, Matson Lines, 215 Market Street, San Francisco, California 94105.

## Extracurricular Activities

**UNIVERSITY PROGRAM.** During the first 6-week term, an extensive program of educational and recreational extracurricular events is sponsored by the summer session office. The program includes Tuesday evening lectures, the Summer Theatre, guided tours on and off campus, and various programs at Hemenway Hall, the student union building.

Details of the summer program for 1966 will be printed in *Summer 1966*, a special publication distributed at the beginning of the first summer term.

**ACTIVITY CARDS.** Students who have paid their fees are issued summer session activity cards which may be claimed at the Summer Session Recreation Office, Hemenway Hall 2nd floor. The activity card entitles the bearer to attend or participate in various extracurricular events sponsored by the summer session office during the first 6-week term. For certain trips or activities an additional fee is charged to help defray the cost.

Summer session faculty members may purchase activity cards at the student price of \$2.50. Spouses and children (late teenage or older) of these faculty members or of summer session students may purchase activity cards for \$10.00, upon approval of the Director of Student Activities. Persons not fitting the foregoing categories are not eligible for the activity cards.

The activity card is not transferable. Loss of one's card must be reported immediately to the business office of the University. Illegal use of another's card is subject to disciplinary action.

**HEMENWAY HALL.** Hemenway Hall, the student union building, is available for use each morning, Monday through Friday. Its services include 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.

**SUMMER PLAYS.** The University Summer Theatre will present a season of three plays: *Rain*, the sensationally successful adaptation of Somerset Maugham's story about Sadie Thompson (June 24, 25; July 1, 2); Moliere's rollicking farce, *The Doctor in Spite of Himself* (July 8, 9; 15, 16) and the Broadway hit musical, *110 in the Shade*, based on *The Rainmaker* (July 22, 23; 29, 30). Performances will be in the John F. Kennedy Theatre and admission will be free to holders of summer session activity cards. All students are eligible for both acting and backstage work and will have the opportunity of working with a small company of semi-professionals; those wishing to receive academic credit for such participation may register for Theatre Workshop (Drama 250).

Tryouts to fill out the casts of *The Doctor in Spite of Himself* and *110 in the Shade* will be held at Kennedy Theatre the first and second days of summer session classes (Tuesday and Wednesday, June 21 and 22) from 1:30 to 3:30 p.m. Students interested in volunteer backstage work may also apply during these hours.

Reserved seat tickets for performances will be available at the Kennedy Theatre box office Monday through Saturday from 9:00 a.m. to 1:00 p.m. throughout the summer session (telephone 918-746 or 918-747); reservations are held until 1:00 p.m. the day before a performance. Ticket prices for those who do not hold activity cards will be: Adults \$2.50, Students \$1.25, and Season Subscriptions \$6.00.

**OF INTEREST TO VISITORS.** Honolulu is a cosmopolitan metropolis of over 400,000 people representing nearly all parts of the world. The numerous shops offering exotic wares from everywhere, the quaint atmosphere of Chinatown, the lovely residential districts, and the beach areas with their sand, surfboards, and catamarans are of special interest to visitors. Then, there are the famed Bernice P. Bishop Museum, the Honolulu Academy of Arts, the Ulu Mau Hawaiian Village, the Foster Park Botanical Gardens, the Pacific National Memorial Cemetery, the Queen Emma Museum, the Royal Mausoleum, and the only erstwhile royal palace on American soil, Iolani Palace; also, Buddhist, Shinto, Confucian, and Taoist temples and shrines. There are dining facilities and restaurants of all types, many movie theaters, including drive-ins, four television and sixteen radio stations, free concerts by the municipal Royal

Hawaiian Band, the extensive Honolulu Zoo, the University's Aquarium at Waikiki, and other attractions to suit diverse tastes. In the city's environs, around the island of Oahu, and on the neighboring islands of Kauai, Maui, Molokai, Lanai, and Hawaii, there is an endless succession of fascinating places to visit.

## Housing Information

Admission to the University is made without reference to the availability of housing. The University of Hawaii is at present largely a non-resident campus. There will be residence hall accommodations for 684 students in the 1966 summer session. The University is located in a crowded and growing metropolis with much competition for housing from service personnel and their dependents, and tourists and local residents, as well as students. There is no appreciable number of large rooming or boarding facilities near the campus. Though some new apartments have been recently built in the general vicinity of the University, most of them do not supply linens, bedding, dishes, etc., and the total number is not large. Rooms available to students are scattered throughout Honolulu and only a few are within short walking distance of the campus. These rooms and apartments are neither inspected nor supervised by the University.

**CAMPUS HOUSING.** Requests for residence hall accommodations should be made directly to the Office of Student Housing, Johnson Hall A, University of Hawaii, Honolulu, Hawaii 96822. To be eligible for any University of Hawaii residence hall, a student must be registered for at least 3 hours of lecture courses for credit. Application-contracts must be accompanied by the deposit before consideration for space reservation can be made. The halls are operated on the American plan and the contract is for room and board. Meals include breakfast and lunch, Monday through Friday.

### Six-Week Contract

Room .....	\$125
Board .....	60
	\$185

### University Housing Facilities Available:

Frear Hall: Accommodates 144 residents in double rooms.

Hale Kahawai: Accommodates 140 residents in double rooms.

John A. Johnson Hall, Building A: Accommodates 80 residents in double rooms.

John A. Johnson Hall, Building B: Accommodates 112 residents in double rooms.

**Gateway House:** Accommodates 104 residents each in two towers. There are no facilities on campus for temporary housing or for married couples.

Residence hall facilities are available only during the first 6-week term.

**OFF-CAMPUS HOUSING.** The student housing office, in Johnson Hall A, maintains an information file on rooming houses, rooms in private homes and occasional apartments, but does not mail out any of this information. It gives all possible assistance in locating suitable accommodations after the student arrives. Negotiations with off-campus landlords must be handled directly by the student. Students arriving in Honolulu without housing reservations are invited to come to the student housing office for general information and current listings of available accommodations.

**Y.M.C.A. Dormitory.** The Y.M.C.A. operates a dormitory for men adjacent to the University campus. For information, write to: Director, Charles Atherton House, 1810 University Avenue, Honolulu, Hawaii 96822.

## 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. 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 five tickets for \$1.00, or 25¢ 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 with many daily flights.

**STUDY TOURS TO HAWAII.** Each year, various travel agencies bring to Hawaii many hundreds of students whom they have enrolled as members of their study or tour groups. However, **NO TRAVEL AGENCY OR PERSON HAS EVER BEEN AUTHORIZED TO REPRESENT THE UNIVERSITY OF HAWAII IN RECRUITING STUDENTS FOR TOURS TO HAWAII.** It should be understood, of course, that the University of Hawaii welcomes all qualified students, whether they come by themselves or in organized groups, and that no special treatment is accorded anyone because of membership in a tour group.



These study tours to Hawaii should not be confused with certain overseas study tours which have been arranged, at the request of the summer session office, by Mrs. Ruth Rittmeister, manager of International Travel Service of Honolulu, and which start from the University of Hawaii campus with a member of our resident faculty in charge; or the South Pacific Educational Cruises operated by the summer session office with the cooperation of the N.E.A. Division of Educational Travel and the Matson Navigation Company.

**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 drivers' 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.** There are very few opportunities for part-time employment during the summer period. Students should, therefore, plan to meet all their summer session financial obligations without relying on part-time employment. Students from other states would be well advised to anticipate that living costs in Hawaii may be somewhat higher, and to make appropriate financial preparations accordingly.

**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. Canons of good taste are, of course, expected to be observed by all.

**HILO CAMPUS SUMMER COURSES.** The University of Hawaii Hilo Campus is on the island of Hawaii some 200 miles southeast of Honolulu. During the academic year it enrolls about 500 students. A select list of summer courses will be offered again, both for entering freshmen and other undergraduates and for teachers in service. The campus dormitory will be occupied from June 20 to August 7 by 44 secondary school teachers of French attending an N.D.E.A. summer institute. Others planning to enroll in summer courses and requiring housing should contact the Office of Student Personnel, Hilo Campus, for information concerning available housing in the city of Hilo. Inquiries should be addressed to: Director, University of Hawaii Hilo Campus, Hilo, Hawaii 96720; or to the Summer Session Office in Honolulu.

# Courses Offered

COURSES NUMBERED 100 to 199 are intended primarily for freshmen and sophomores. Those numbered 200 to 599 are intended primarily for juniors and seniors. Although these courses are open to graduate students, only those numbered from 400 to 599 carry graduate credit. Courses numbered 600 to 799 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.

Most classes will be held according to the following schedule:

## 50-MINUTE CLASSES

7:45-8:35  
9:10-10:00  
10:10-11:00  
11:35-12:25  
1:35-2:25  
2:35-3:25

## 75-MINUTE CLASSES

7:20-8:35  
8:45-10:00  
10:10-11:25  
11:35-12:50  
1:10-2:25  
2:35-3:50

## First Term      JUNE 20-JULY 29

### Animal Sciences (An Sc)

#### 246 HORSE HUSBANDRY (3)

Staff

Origin of the species, breeds, nutrition, care and management. Laboratory will be on management practices with work on light horses.

Daily 7:20-11:25

### Anthropology (Anth)

#### 150 INTRODUCTION TO ANTHROPOLOGY (3)

J. Fischer

Human evolution; prehistoric development of culture; recent and contemporary man, common features and principal variations in cultural behavior.

Daily 8:45-10:00

#### 210 ARCHEOLOGY (3)

Shutler

Introduction to prehistoric archeology; methods and techniques of excavation and laboratory analysis; brief survey of man's cultural growth in prehistoric times. Prerequisite: 150 or 200.

Daily 7:20-8:35

- 450(1) REGIONAL CULTURES OF OCEANIA: HAWAII (2)** **Meinecke**  
 Historical problems and regional developments in ecology, social structure, world view, and other aspects of indigenous cultures.  
 Daily 7:45-8:35
- 460 REGIONAL ARCHEOLOGY: ASIA AND THE PACIFIC (2)** **Shutler**  
 Regional surveys of prehistoric cultures, based on archeological research. Prerequisite: 210, or consent of instructor.  
 Daily 9:10-10:00
- 550 ANTHROPOLOGICAL APPLICATIONS: EDUCATION (2)** **J. Fischer**  
 (Same as Ed HP 570)  
 Anthropological theory method and data applied to problems in specialized fields. Oriented to the needs of students in professional fields who lack anthropological background.  
 Daily 11:35-12:25
- 560 CULTURAL FOUNDATIONS OF FAMILY LIFE (3)** **A. Fischer**  
 (Same as HE 560)  
 Cultural influences on the individual and family, on child rearing practices and personality development; roles of family members; values, customs, taboos, and rituals related to family life.  
 July 11-29.  
 Daily 10:10-12:50

## Art

### Architecture (Arch)

- 116 ARCHITECTURAL GRAPHICS (2)** **Kobayashi**  
 Basic practice in graphic presentation techniques; drafting, orthographic projection, isometric and perspective drawing, shades and shadows, and descriptive geometry.  
 Daily 8:10-10:00
- 138 ARCHITECTURAL DESIGN (3)** **H. Burgess**  
 Design of simple buildings in relation to environment; discussion, field trips, sketch problems. Prerequisite: 137.  
 Daily 8:10-12:00
- 238 ARCHITECTURAL DESIGN (3)** **H. Burgess**  
 Building programs developed by means of planning, function, group and site; methods of research and analysis; introduction to the elements of landscape and architecture.  
 Prerequisite: 139.  
 Daily 8:10-12:00

### Art (Art)

- 101 INTRODUCTION TO THE VISUAL ARTS (3)** **Turnbull**  
 Nature of visual art and its expression in various forms. Lectures, demonstrations, museum visits.  
 Daily 8:45-10:00

**103 ART FUNDAMENTALS (2)**

Anderson

Background material and studio practice to stimulate understanding of the arts. Lectures, museum visits, studio work.

Daily 8:10-10:00

**104 ART FUNDAMENTALS (2)**

Background material and studio practice to stimulate understanding of the arts. Lectures, museum visits, studio work. Prerequisite: 103.

Daily 8:10-10:00

**111 DRAWING (2)**

Gilbert, King

(3 sections)

Basic principles of drawing in a variety of media.

Daily (1) 8:10-10:00 (King)

(2) 10:10-12:00 (Gilbert)

(3) 1:10- 3:00

**112 DRAWING (2)**

Rosen

Basic principles of drawing in a variety of media. This course or its equivalent is prerequisite to all advanced studio courses. Prerequisite: 111 or equivalent.

Daily 10:10-12:00

**131 VISUAL DESIGN (2)**

Gilbert, Staff

(2 sections)

Elements and principles of visual organization.

Daily (1) 8:10-10:00 (Gilbert)

(2) 10:10-12:00

**132 VISUAL DESIGN (2)**

Olsen

Elements and principles of visual organization. This course or its equivalent is prerequisite to all advanced studio courses. Prerequisite: 131 or equivalent.

Daily 8:10-10:00

**136 WEAVING (2)**

J. Williams

Creative processes of weaving. Warping and threading of simple hand looms and multiple harness looms.

Daily 8:10-10:00

**137 WEAVING (2)**

J. Williams

Experimentation with techniques and study of pattern drafting. Designing for specific problems. Prerequisite: 136 or equivalent.

Daily 10:10-12:00

**141 CERAMICS (2)**

Fletcher, Yamada

(4 sections)

Methods and principles of creating pottery by hand.

Daily (1) 8:10-10:00 (Fletcher)

(2) 10:10-12:00 (Fletcher)

(3) 1:10- 3:00 (Yamada)

(4) 3:10- 5:00 (Yamada)

**142 CERAMICS (2)**

Horan

(2 sections)

Introduction to wheel throwing and emphasis on designing of utilitarian wares. Prerequisite: 141

Daily (1) 8:10-10:00

(2) 10:10-12:00

- 151 SCULPTURE (2)** **Sato**  
 Study of the qualities of form and structure in sculpture; methods of construction using a variety of materials and techniques.  
 Daily 8:10-10:00
- 171 ASPECTS OF WESTERN ART (3)** **Rosen**  
 Historical relationship of major styles in the visual arts of European, African, and post-Colonial American traditions.  
 Daily 8:45-10:00
- 181 COMPARATIVE ASPECTS OF ASIAN ART (3)** **Neogy**  
 Historical relationships of major visual art styles of Asian traditions, including the Pacific area and pre-Colonial Americas.  
 Daily 10:10-11:25
- 215 INTRODUCTION TO PRINTMAKING (2)** **K. Bushnell**  
 Introduction to studio practice in intaglio processes. Prerequisites: 112, 132, or equivalent.  
 Daily 8:10-10:00
- 221 PAINTING (2)** **K. Bushnell**  
 Problems in the creation of visual forms. Prerequisites: 112, 132, or equivalent.  
 Daily 10:10-12:00
- 251 SCULPTURE (2)** **Sato**  
 Developing concepts of scale relative to form; techniques of casting, forging, and repousse are considered. Prerequisite: 152 or equivalent.  
 Daily 10:10-12:00
- 271 ART AND ARCHITECTURAL FIELD STUDIES (4)** **Etherington**  
 Study tours to various countries to examine both historical and contemporary art and architecture with lectures at the various sets. Itinerary for 1966: Japan. Prerequisite: Arch 172 or consent of instructor.
- 311 FIGURE DRAWING (2)** **Thomas**  
 Basic principles of drawing the human figure, including the study of anatomy and articulation. The figure as a foundation of knowledge and skill and for its imaginative use. Prerequisite: 112 or equivalent.  
 Daily 8:10-10:00
- 315 PRINTMAKING (2)** **King**  
 Printmaking: relief, intaglio, and photo process. Prerequisites: 112, 132, 311, 215 or equivalent.  
 Daily 10:10-12:00
- 321 ADVANCED PAINTING (2)** **Thomas**  
 Continuation of 221-222.  
 Daily 1:10-3:00
- 335 TEXTILE DESIGN (2)** **Everson**  
 Originating ideas for fabrics. Printing and execution of individual or collaborative projects. Prerequisite: 235 or equivalent.  
 Daily 10:10-12:00

- 363 ADVANCED VISUAL DESIGN (2)** **Anderson**  
Investigation into the processes of visualization; its expression and control. Prerequisites: 112, 132.  
Daily 10:10-12:00
- 471 ADVANCED ART AND ARCHITECTURAL FIELD STUDIES (4)** **Etherington**  
Study tours to various countries to examine both historical and contemporary art and architecture with lectures at the various sets. Itinerary for 1966: Japan. Prerequisite: Arch 172 or consent of instructor.
- 474 ARTS OF PRE-EUROPEAN AMERICAS (5)** **Norris**  
Intensive study of the arts of the N.W. coast Indians and of the cultures of Mexico and Central America. Visits to sites and to museums; assigned readings; required course paper. Prerequisite: consent of instructor.
- 476 ITALIAN RENAISSANCE PAINTING AND SCULPTURE (3)** **Halaby**  
Development of painting and sculpture in Italy during the period of the Renaissance. Prerequisite: 171, or Hist 152 or 162.  
Daily 8:45-10:00
- 479 20th CENTURY PAINTING AND SCULPTURE (3)** **Halaby**  
Development of painting and sculpture in Europe and the Americas in this century. Prerequisite: 171 or Hist 152 or 162.  
Daily 10:10-11:25
- 537 RUGS AND TAPESTRY (2)** **Everson**  
Design and execution of rugs and tapestries employing standard and experimental materials and techniques. Prerequisite: 137 or equivalent.  
Daily 8:10-10:00
- 641 CERAMICS (2)** **Horan**  
(2 sections)  
Individual problems in advanced ceramics, using the potter's wheel and hand building techniques. Prerequisite: consent of chairman and instructor.  
Daily (1) 8:10-10:00  
(2) 10:10-12:00

### Asian Studies (Asian)

*The following two courses are open only to members of the Summer Institute in Asian Studies. For other details see page 23.*

- 610 ASIA (3)** **Burks, Staff**  
Interdisciplinary study of Asian countries, with special attention to South, Southeast, and East Asia.  
Daily 7:20-8:35
- 612 TEACHING AND STUDYING ABOUT ASIA (3)** **Burks**  
Primarily for secondary school teachers and college instructors. Model lectures on the history and cultures of China, Japan, Southeast Asia, and India devoted to key concepts, generalizations, and themes around which introductory courses on Asia may be developed. Attention to such topics as geography, religions, social and political systems, and biography. Discussion of reading materials, teaching aids, and audio-visual techniques.  
Daily 10:10-11:25

## Botany (Bot)

- 160 IDENTIFICATION OF TROPICAL PLANTS (2)** **Chock**  
 Non-technical course in identification of common plants of the tropics.  
 Daily 11:35-12:25
- 181 PLANT LIFE OF THE SEA (4)** **Neushul**  
 Kinds of marine plants, algae and seaweeds, where they grow, and the part they play in the productivity of the sea. Prerequisite: an introductory college biology course. Sea-shore trips.  
 Daily 10:30-12:20

## Business Administration Accounting (Acc)

- 100 ELEMENTARY ACCOUNTING (3)** **S. Lee, Trine**  
 (2 sections)  
 Theory and practice of income determination and asset valuation. Preparation and analysis of statements; uses for decision making. Prerequisite: sophomore standing.  
 (1) MWF 7:45-9:30; Laboratory TTh 7:45-9:30  
 (2) MWF 7:45-9:30; Laboratory TTh 7:45-9:30
- 101 ELEMENTARY ACCOUNTING (3)** **Meier**  
 Theory and practice of income determination and asset valuation. Preparation and analysis of statements; uses for decision making. Prerequisite: sophomore standing.  
 MWF 9:40-11:25; Laboratory TTh 9:40-11:25
- 200 INTERMEDIATE ACCOUNTING (3)** **Trine**  
 Critical examination of generally accepted accounting principles as applied to preparation and use of financial statements. Prerequisite: 101.  
 Daily 10:10-11:25
- 320 MANAGEMENT ACCOUNTING (3)** **S. Lee**  
 Use of accounting information for managerial decision making and profit planning. Budget, cost, and other financial analyses to control and measure efficiency of business. For non-accounting majors only. Prerequisite: 101.  
 Daily 10:10-11:25

## Business Analysis and Statistics (BAS)

- 110 APPLIED MATHEMATICS (3)** **Sasaki**  
 Application of mathematical operations to problems in business and economics: linear equations; progressions; theory of sets and functions; elementary matrix notation; differential and integral calculus (including partial differentiation, maxima and minima, and Lagrange multiplier techniques). Prerequisite: Math 103.  
 Daily 7:20-8:35
- 300 BUSINESS STATISTICS (3)** **Leong, Sasaki**  
 (2 sections)  
 Principles of statistical inference including frequency distribution, averages, variation, testing hypotheses, estimation of population mean, index numbers, time series, correlation, probability, sampling chi square and F distribution, analysis of variance. Utilization of statistical data as an aid to managerial decisions.  
 Daily (1) 8:45-10:00 (Leong)  
 (2) 10:10-11:25 (Sasaki)

**301 BUSINESS STATISTICS (3)****Sasaki**

Prerequisite: 300.

Daily 1:10-2:25

**Business Economics (BEc)***Economics 150 is prerequisite to all other courses.***303 MONEY, CREDIT, AND THE CAPITAL MARKET (3)****Seo**

Nature and functions of money, debt and credit, and liquidity; financial institutions and money market analysis; fund flow analysis.

Daily 7:20-8:35

**340 MANAGERIAL ECONOMICS I (3)****Seo**

Demand analysis; production analysis relating to factors and to products; various forms of imperfect competition; demand creation and selling costs; multiproduct output and technological change; problems of uncertainty. Prerequisites: Math 103, BAS 110.

Daily 10:10-11:25

**Finance (Fin)****300 BUSINESS FINANCE (3)****Meier**

Study of the forms and sources of financing business firms large and small, corporate and non-corporate. Emphasis on financial planning and developing judgment in formulating decisions on financial problems. Financial policies also considered in their social, legal, and economic effects. Prerequisites: Acc 101, Econ 150.

Daily 11:35-12:50

**Management (Mgt)****300 PRINCIPLES OF MANAGEMENT (3)****Bailey**

Basic management functions of planning, controlling, organizing, staffing, and directing; emphasis on human factors and quantitative analysis in developing a sound philosophy of management. Critical evaluation of current practices in business firms. Primarily lecture-discussion.

Daily 8:45-10:00

**Marketing (Mkt)****300 PRINCIPLES OF MARKETING (3)****Pratt**

Broad survey course covering the consumer, retailing, wholesaling, functional analysis, marketing policies, and a critical appraisal of marketing in a governmental context.

Daily 7:20-8:35

**340 RETAIL MERCHANDISING (3)****Pratt**

Retailing history, store organization and management, sales promotion, customer's buying habits.

Daily 10:10-11:25

**Personnel and Industrial Relations (PIR)****300 LABOR PROBLEMS AND TRADE UNIONISM (3)****Marutani**

Study of wages, hours, and other conditions of employment. Development, internal structure, and economic function of organized labor in the United States.

Daily 10:10-11:25





- 251 CHINESE FOR READING KNOWLEDGE (3)** McLeod  
 Reading course for those who are not Chinese majors but who are interested in developing their reading skill. Prerequisite: 162 or equivalent.  
 Daily 12:35-2:25
- 401 CHINESE LITERATURE IN ENGLISH (3)** Lau  
 Historical survey of classical Chinese literature (verse and prose) in relation to Chinese culture before 1919. Prerequisite: two semesters of literature in English department.  
 Daily 1:10-2:25
- 408 CHINESE STRUCTURE (3)** R. Cheng  
 Introductory study of the phonology, morphology, and syntax of Mandarin Chinese including some discussion of usage and of linguistic geography.  
 Daily 10:10-11:25
- 409 FOURTH-LEVEL CHINESE—MODERN (3)** R. Cheng  
 Reading and discussion of modern literature: essays, short stories, plays. Prerequisite: 210 or equivalent.  
 Daily 12:35-2:25
- 613 CHINESE POETRY (2)** Schafer  
 Critical study of classical Chinese poetry in various forms. Prerequisite: 212 or equivalent.  
 Daily 9:10-10:00
- 632 CHINESE DIALECTS (3)** M. Hashimoto  
 Study of major Chinese dialects. Lectures in English. Prerequisite: 419.  
 Daily 10:10-11:25
- 701 RESEARCH SEMINAR IN CHINESE (2)** Schafer  
 Specialization in (1) language, (2) literature, (3) teaching methods. Prerequisite: consent of instructor.  
 Hrs. arr.

### Drama and Theatre (Drama)

- 140 INTRODUCTION TO DRAMA AND THEATRE (3)** Langhans  
 Representative plays from Miller's *Death of a Salesman* to Aeschylus' *Agamemnon*, studied as illustrative of changing forms in the theatre and dramatic literature.  
 Daily 10:10-11:25
- 150 DRAMATIC PRODUCTION (3)** Soller  
 Introduction to the process of converting the play into the performance.  
 Daily 10:10-11:00      Laboratory daily 2:00-4:00
- 250 THEATRE WORKSHOP (3)** Soller  
 Lectures and supervised work in theatrical production, coordinated with productions of the University Summer Theatre, for the general student as well as drama majors and participants in the summer plays.  
 Daily 2:00-5:00
- 410 CREATIVE DRAMATICS (2)** Bentley  
 Intensive study of dramatic activities for children and young people. Designed for teachers, group workers, recreation majors, and others dealing with children.  
 Daily 11:35-12:25

**420 ACTING (3)****Bentley**

Individual exercises and group rehearsals. In addition to work in course, students must try out for summer productions and must play at least one role in public performance. May be repeated for credit.  
Daily 8:45-10:00

**425 DANCE TECHNIQUES (3)****Jordan**

Training in stage movement and modern dance to develop physical flexibility, control, rhythm, and expressiveness. May be repeated for credit.  
Daily 11:35-12:50

## **Economics (Econ)**

**150 PRINCIPLES OF ECONOMICS (3)**

Analysis of functioning of economic systems with emphasis on forces determining levels and changes of national income and employment. Describes basic economic institutions, e.g., markets, money, banks, labor organizations, corporations.  
Daily 7:20-8:35

**240 MONEY AND BANKING (3)**

Study of relation of monetary system to price level, employment, and income. Considers the nature and function of money and banking, the role of money in international trade, monetary theories, inflation.  
Daily 8:45-10:00

**300 INTERMEDIATE ECONOMIC THEORY: PRICE THEORY (3)**

Price determination and resource allocation under competition, monopoly, oligopoly, monopolistic competition. Theories of demand, cost, partial, general equilibrium.  
Daily 8:45-10:00

**304 HISTORY OF ECONOMIC THOUGHT (3)**

Survey of economic thought from Adam Smith to the present with emphasis on the theory of value and distribution. Prerequisite: senior standing.  
Daily 10:10-11:25

**410 ASIAN ECONOMIC DEVELOPMENT (3)**

General overview of change and growth in economics of major Asian nations. Population and national income growth; savings, investment, and consumption patterns. Role of government and private enterprise. Prerequisite: 150.  
Daily 1:10-2:25

**420 QUANTITATIVE METHODS IN ECONOMIC ANALYSIS (3)**

Designed to give students working knowledge of elements of algebra and calculus, and to apply such mathematics to solution of economic problems. Includes matrix algebra, elements of differential and integral calculus, differential equations, and economic model building. Prerequisites: college algebra and 150-151.  
Daily 10:10-11:25

**421 QUANTITATIVE METHODS IN ECONOMIC ANALYSIS (3)**

Includes theory and operations in statistical inference, introduction to econometrics. Covers probability and distribution theory, tests of hypotheses, small sample methods, analyses of variance and regression, correlation analysis. Gauss-Doolittle method, times series and index numbers. Prerequisite: 420 or permission of instructor.  
Daily 11:35-12:50

**430 COMPARATIVE ECONOMIC SYSTEMS (3)**

Analysis of the structure, institutions, operation, performance and growth of private enterprise, socialist, communist and mixed economies, with emphasis on the U.S., U.S.S.R., and underdeveloped economies.

Daily 11:35-12:50

**460 INTERNATIONAL TRADE AND FINANCE (3)**

Theoretical, institutional, and historical aspects of international economic relations are considered, including foreign exchange rates, balance of payments adjustment, tariffs, quotas, and trading blocs.

Daily 7:20-8:35

**604 HISTORY OF ECONOMIC THOUGHT (3)**

Study of the development of economic theories, including classical economics, marginal utility theory, socialism, neo-classical theory, welfare economics, Keynesian and post-Keynesian systems. Prerequisites: 150-151 and 304, or consent of instructor.

Daily 11:35-12:50

**624 ECONOMETRICS (3)**

Mathematical models of economic behavior and use of advanced statistical methods for testing economic theories and estimating economic parameters. Includes general linear regression models, multivariate analysis, simultaneous equation models, least-square estimation, limited-information technique, identification, auto-correlation and time series analyses. Prerequisite: 620, or consent of instructor.

Daily 1:10-2:25

**640 SEMINAR IN MONEY AND BANKING (3)**

Analysis of selected problems in monetary economies, with emphasis on monetary and banking policy. Prerequisites: 240, 302.

Daily 2:35-3:50

**670 ECONOMIC DEVELOPMENT (3)**

Theoretical analysis of factors underlying economic development, with reference to underdeveloped nations. Consideration of policy issues underlying attempts to accelerate economic growth. Prerequisite: 150, 151 or consent of instructor.

Daily 1:10-2:25

## Education

### Educational Administration (Ed EA)

**502 VOCATIONAL EDUCATION INSTITUTE (3)**

Swanson

(Same as Ed SE 502)

Institute will explore new approaches to vocational education in the high school, technical school, and community college. Impact of federal funds on the program will be studied as well as administration, organization, curriculum, and teaching methods.

Daily 11:35-12:50

**671 SCHOOL PUBLICITY AND PUBLIC RELATIONS (3)**

Crossley

Application of principles, techniques, policies, organization of a school-community information program. Prerequisite: 680 or consent of instructor.

Daily 8:45-10:00

**672 PERSONNEL PRACTICES AND THE SCHOOL PRINCIPAL (2)**

Marks

Orientation to personnel practices; principles in personnel management; procedures in assignment, orientation; evaluation of staff.

Daily 10:10-11:00

**680 PUBLIC SCHOOL ORGANIZATION (2)****R. Johnson**

(2 sections)

Function of the teacher in school administration; state and territorial organization of public education; Hawaii school law and State Department of Education regulations. Prerequisite: teaching experience (may include student teaching).

Daily (1) 10:10-11:00

(2) 1:35-2:25

**685 EDUCATIONAL ADMINISTRATION: THEORY AND PRINCIPLES (3)**

Theory and principles of administration and development of administrative programs. Prerequisite: 680, teaching experience, or consent of instructor.

Daily 11:35-12:50

**751 THE COMMUNITY COLLEGE CURRICULUM (3)****Harris**

Essential role of the community college in a democratic society examined. Techniques in identifying community needs; curriculum planning for academic and occupational education; evaluation of the total program. Prerequisites: teaching experience and consent of instructor.

Daily 10:10-11:25

**752 THE COLLEGE TEACHER (3)****Harris**

Designed for teachers and prospective teachers from various disciplines and occupational fields. Course planning; syllabus; evaluation; innovations in teaching; professional growth; academic freedom and responsibility. Considerable emphasis given to teaching in community colleges. Prerequisites: teaching experience and consent of instructor.

Daily 1:10-2:25

**768 RESEARCH SEMINAR IN EDUCATIONAL ADMINISTRATION (3)**

Basic concepts of research in educational administration. Study and discussion of significant topics and problems. Required of Plan B M.Ed. candidates. Prerequisite: consent of instructor.

Daily 2:35-3:50

**770 SEMINAR IN SUPERVISION OF INSTRUCTION (3)****Crossley**

Application of methods and tools of supervision; faculty meetings; classroom observation; conferences; evaluation. Prerequisites: 682 or 683; consent of instructor. May be repeated.

Daily 11:35-12:50

**780(1) SEMINAR IN EDUCATIONAL ADMINISTRATION: ELEMENTARY (3)****Marks**

Analysis of selected problems in school administration. Prerequisites: 670, 680, 685 or consent of instructor. May be repeated.

Daily 1:10-2:25

**Educational Psychology (Ed EP)****200 MENTAL RETARDATION AND MENTAL HEALTH WORK-STUDY PROGRAM (6)****Fargo**

Study, observation, and supervised field experience of the emotionally and socially maladjusted, the mentally ill, and the mentally retarded in community and institutional settings.

June 20-August 20.

Daily 1:10-2:25; additional hours arr.

**309 TESTS AND MEASUREMENTS (3)**

Adkins, Haehnlen, Ryans, Sax

(4 sections)

Theory and techniques of evaluation in education. Prerequisite: EE 221, 222, or SE 230

- Daily (1) 7:20- 8:35 (Sax)  
 (2) 10:10-11:25 (Adkins)  
 (3) 11:35-12:50 (Ryans)  
 (4) 2:35- 3:50 (Haehnlen)

**315 ARTS AND CRAFTS FOR MENTALLY RETARDED (2)**

Pickens

Construction and use of learning aids for mentally retarded children. May be taken concurrently with 406 with consent of instructor.

Daily 7:20-9:35

**372 EDUCATIONAL PSYCHOLOGY (3)**

J. Gordon, Haehnlen, Sax

(3 sections)

Major factors of learning and mental health as they apply to the educative process.

Prerequisite: Psy 250.

- Daily (1) 7:20- 8:35 (Gordon)  
 (2) 10:10-11:25 (Sax)  
 (3) 11:35-12:50 (Haehnlen)

**374 GENERAL EDUCATIONAL PSYCHOLOGY (5)**

Palmer

Similar to 372 but with laboratory and observations. Not open to those who have had 372. Restricted to Ford Program students.

Daily 10:10-12:50

**404 EDUCATION OF EXCEPTIONAL CHILDREN (3)**

MacKinnon

Survey of characteristics of children who deviate from the average in mental, sensory, physical, and social attributes; reviews adaptations made by schools to abilities and disabilities of exceptional children.

Daily 7:20-8:35

**405 THE MENTALLY RETARDED (3)**

Shepherd

Review of the psychological, social, and vocational problems related to mentally retarded children and their families.

Daily 11:35-12:50

**406 CURRICULUM DEVELOPMENT FOR MENTALLY RETARDED CHILDREN (3)**

Shepherd

Study of the behavioral characteristics, methods of identification and management of

Prerequisite: 405.

Daily 2:35-3:50

**408 THE EMOTIONALLY DISTURBED CHILD (3)**

Char

Study of the behavioral characteristic, methods of identification and management of emotionally disturbed children in regular and special classes within the public schools, private day schools, clinics, residential schools, and hospitals.

Daily 7:20-8:35

**411 EDUCATION OF VISUALLY HANDICAPPED CHILDREN (3)**

Abel

Identification, management, and techniques for teaching visually handicapped children in the public schools. Also an overview of the use of community resources in the team approach.

Daily 11:35-12:50

- 451 PRACTICUM FOR TEACHERS OF EMOTIONALLY DISTURBED CHILDREN (6)** Switzer  
 Classroom and clinical experiences to prepare teachers for work with children whose learning problems are associated with behavioral disorders. Prerequisite: 408. 451 may be taken concurrently with 408.  
 Daily 11:35-12:50; additional hours arr.
- 507 REMEDIAL READING (3)**  
 (3 sections)  
 Techniques for motivating and helping children whose reading skills are below their capacity and needs.  
 Daily (1) 8:45-10:00  
       (2) 10:10-11:25  
       (3) 1:10- 2:25
- 514 AUDIO-VISUAL MEDIA (3)** Jones, Tieman, Yoshishige  
 (3 sections)  
 Communication theory, the characteristics of A-V media: automated learning programs, TV projected and opaque materials (maps and models).  
 Daily (1) 7:45- 8:35; lab hrs. arr. (Tieman)  
       (2) 11:35-12:25; lab hrs. arr. (Tieman)  
       (3) 1:35- 2:25; lab hrs. arr. (Jones)
- 515(1) FIELD PROBLEMS IN TEACHING EXCEPTIONAL CHILDREN:** Fuchigami  
**EDUCABLE MENTALLY RETARDED (3)**  
 Field problems faced by teachers of exceptional children; analysis of recent research findings in terms of their application to a specific area of exceptionality. Prerequisite: consent of instructor.  
 Daily 1:10-2:25
- 515(4) FIELD PROBLEMS IN TEACHING EXCEPTIONAL CHILDREN:** Abel  
**VISION IMPAIRED (3)**  
 Field problems faced by teachers of exceptional children; analysis of recent research findings in terms of their application to a specific area of exceptionality. Prerequisite: consent of instructor.  
 Daily 8:45-10:00
- 521(8) TRAINING INSTITUTES IN SPECIAL EDUCATION:** Wiseman  
**LEARNING DISABILITIES (2)**  
 Advanced training institutes to improve instructional services for exceptional children. Includes clinical observations and teaching demonstrations with exceptional children in laboratory classes. Prerequisite: teaching experience with exceptional children or consent of instructor.  
 June 20-July 1  
 Daily 8:00-11:00
- 521(9) TRAINING INSTITUTES IN SPECIAL EDUCATION:** Wiseman  
**EDUCATIONALLY HANDICAPPED (2)**  
 Advanced training institutes to improve instructional services for exceptional children. Includes clinical observations and teaching demonstrations with exceptional children in laboratory classes. Prerequisite: teaching experience with exceptional children or consent of instructor. Limited enrollment through application only. Inquiries should be sent to the Director of Special Education.  
 June 20-July 1.  
 Daily 1:00-4:00

- 601 GUIDANCE IN THE SCHOOL (3)** **Demos, Dunsmoor, Keppers**  
(3 sections)  
Basic principles of guidance; consideration of techniques, organization, materials, resources.  
Daily (1) 7:20- 8:35 (Demos)  
(2) 10:10-11:25 (Dunsmoor)  
(3) 1:10- 2:25 (Keppers)
- 602 ELEMENTARY SCHOOL GUIDANCE (3)** **Thomson**  
Principles, techniques, and organization of guidance services in the elementary school.  
Daily 11:35-12:50
- 604 OCCUPATIONAL INFORMATION IN GUIDANCE (3)** **Keppers**  
Occupational research and survey techniques; trends, source of materials, use of occupational information in vocational guidance. Prerequisite: 601.  
Daily 10:10-11:25
- 605 PROBLEMS OF SCHOOL ADJUSTMENT (3)** **Demos, Parkes, Thomson**  
(3 sections)  
Principles of behavior which affect human relationships in the school, with emphasis upon application to actual situations.  
Daily (1) 8:45-10:00 (Parkes)  
(2) 10:10-11:25 (Demos)  
(3) 2:35- 3:50 (Thomson)
- 609 TESTS AND INVENTORIES IN GUIDANCE (3)** **Dunn-Rankin**  
Tests and inventories for measuring aptitudes, interests, and modes of behavior. Prerequisites: 309, 601.  
Daily 11:35-12:50
- 614 EDUCATION OF GIFTED CHILDREN (3)** **MacKinnon**  
Characteristics and educational provisions for gifted children. Particular attention to psychological aspects of creativity. Prerequisite: 510.  
Daily 10:10-11:25
- 629 EDUCATIONAL STATISTICS (3)** **Adkins**  
Statistical inference including the applications of parametric and non-parametric methods to educational problems. Prerequisite: descriptive statistics or 309.  
Daily 7:20-8:35
- 634 TELEVISION IN EDUCATION (3)**  
(2 sections)  
Research backgrounds, development, and utilization of television in education including fundamentals of television production and teaching of television with emphasis on utilization of television in the school. Prerequisite: 514 or consent of instructor.  
Daily 9:10-10:00; lab hrs. arr.  
1:10- 2:00; lab hrs. arr.
- 644 EDUCATIONAL TELEVISION (3)** **Reed**  
Research and study of the psychological and educational development and utilization of instructional television with emphasis on ETV and the systems approach to multi-media instruction in specific learning situations. Prerequisite: 634.  
Daily 10:10-11:00; lab hrs. arr.



- 672 ADVANCED EDUCATIONAL PSYCHOLOGY: LEARNING (3)** J. Gordon  
Application of experimental evidence in learning upon major educational problems; analysis of research methods in classroom learning. Prerequisite: consent of instructor.  
Daily 10:10-11:25
- 673 ADVANCED EDUCATIONAL PSYCHOLOGY: PSYCHO-SOCIAL DEVELOPMENT (3)** Iritani  
Research methods and findings involving classroom group structures, attitude and personality development, and psycho-linguistic behavior. Prerequisite: consent of instructor.  
Daily 1:10-2:25
- 701(3) SEMINAR IN GUIDANCE: COUNSELING (3)** Dunsmoor  
Current issues and problems. Prerequisite: 8 credits in guidance courses.  
Daily 1:10-2:25
- 701(7) SEMINAR IN GUIDANCE: GROUP PROCEDURES (3)** Corsini  
Current issues and problems. Prerequisite: 8 credits in guidance courses.  
Daily 8:45-10:00
- 702 GROUP GUIDANCE (3)** Corsini, Parkes  
(2 sections)  
Principles, practices, materials, and techniques used in group guidance in schools.  
Prerequisite: 601.  
Daily (1) 7:20- 8:35 (Corsini)  
(2) 11:35-12:50 (Parkes)
- 705 PRODUCTION OF AUDIO-VISUAL MATERIALS (3)** Lubitz, Sanderson  
(2 sections)  
Preparation of overlays, films, slides, simple motion pictures. Utilization of film, television, and automated learning materials. Prerequisites: 514 and teaching experience.  
Daily (1) 8:45-10:00 (Sanderson)  
(2) 2:35- 3:50 (Lubitz)
- 708 EDUCATIONAL RESEARCH METHODS (3)** Ryans  
Research techniques and thesis development. Prerequisites: 309 and proficiency in statistics; consent of instructor.  
Daily 2:35-3:50
- 714 ORGANIZATION OF NEW MEDIA PROGRAMS (3)** Tieman  
Current principles and practices in the organization of programs utilizing new learning media: audio-visual, automated learning, and educational television. Prerequisite: 514.  
Daily 10:10-11:25
- 729 SCALING QUALITATIVE DATA (3)** Dunn-Rankin  
Theory and construction of major types of scales with examples from education, psychology, and sociology. Prerequisite: descriptive statistics or consent of instructor.  
Daily 10:10-11:25
- 730 COMPUTER APPLICATIONS AND STUDIES OF HUMAN BEHAVIOR (6)** Ward  
Applied regression analysis and computer usage in behavioral science with special reference to problems of concern to students and faculty in education, anthropology, sociology, and psychology.  
Daily 8:45-11:25

### Elementary Education (Ed EE)

- 222 PRINCIPLES OF ELEMENTARY EDUCATION (4)** **S. Fujita**  
 Survey of the principles of elementary education for teachers with less than professional certification. Credit applies toward certificate but not toward B.Ed.; may not be taken for credit by persons who have credit in 220, 221. Prerequisite: Psy 250.  
 Daily 10:10–11:50
- 320 LANGUAGE ARTS, ELEMENTARY (3)** **Fitzsimmons**  
 Modern approach to the teaching of language arts—reading, oral and written expression. Prerequisite: 220.  
 Daily 10:10–11:25
- 322 SOCIAL STUDIES, ELEMENTARY (2)** **Lang**  
 Major purposes of this course are to point out the special contribution of social studies to the elementary curriculum and to aid students in developing sound instructional programs and procedures in elementary social studies. Prerequisite: 220.  
 Daily 11:35–12:25
- 323 SCIENCE, ELEMENTARY (2)** **A. Carr**  
 Science education in the elementary school; developing concepts and understandings. Prerequisite: 220.  
 Daily 9:10–10:00
- 324 MATHEMATICS, ELEMENTARY (3)** **Lang**  
 Purposes, procedures, scope, and organization in developing underlying concepts of elementary mathematics; analysis of new elementary mathematics programs; techniques, relative merits, and roles of inductive and deductive approaches to new ideas. Prerequisites: 220, Math 111.  
 Daily 7:20–8:35
- 325 TRENDS IN THE TEACHING OF ELEMENTARY MATHEMATICS (2)** **May**  
 Mathematical content necessary for effective use of newer approaches; nature of number systems; introduction to the theory of numbers; basic concepts of algebra; foundations in geometry. Prerequisite: 220. Open for credit to students who took elementary math methods prior to September 1962.  
 Daily 2:35–3:25
- 326 CREATIVE ART, ELEMENTARY (2)** **Thomas, Weaver**  
 (3 sections)  
 Understanding the scope and importance of art in the elementary school curriculum, and the creative use of art media through laboratory experiences. Prerequisites: 220; Art 103.  
 Daily (1) 7:20–9:35 (Weaver)  
       (2) 10:10–12:25 (Thomas)  
       (3) 10:10–12:25 (Weaver)
- 330 CREATIVE EXPRESSION IN ELEMENTARY EDUCATION (3)** **Siks**  
 Development of communication skills through creative dramatics, rhythmic movement, and the related arts. Prerequisites: EE 220 and consent of instructor. Preference will be given to teachers under contract in Hawaii. Students registering in this course must reserve either the second or third 75-minute period for observation. Observation of children's classes limited to students registered in 330 or 630.  
 Daily 11:35–12:50

**495 WORKSHOP IN AEROSPACE EDUCATION (5)**

(Same as Ed SE 495)

General education approach to aerospace science and technology; social, political, economic, and military implications; designed for teachers of grades K-12 with minimum background in these areas. Lecture discussions with leaders in the field, films, and other materials depicting recent aerospace activities; field trips, demonstrations of science principles, and opportunity for development of curriculum materials by participating teachers for use in their classrooms. Course fee of \$15 to cover cost of supplies and equipment.

Daily 8:30-3:30

**531 EDUCATION OF SLOW LEARNERS (3)**

Hewett

(Same as SE 531)

Characteristics and educational provisions for the slow learning children.

Daily 8:45-10:00

**532 CURRICULUM DEVELOPMENT AND INSTRUCTION FOR SLOW LEARNERS (3)**

Hewett

(Same as SE 532)

Development of curricular and use of instructional materials for teaching slow learners in grades K-12.

Daily 11:35-12:50

**620 TEACHING READING IN THE ELEMENTARY SCHOOL (2)**

Gillespie, King

(4 sections)

Theory and practice in the teaching of reading from the initial readiness stage through the intermediate (upper elementary) grades. Current practices in methodology, organizational patterns, and evaluation are examined critically.

Daily (1) 7:45- 8:35 (Gillespie)

(2) 10:10-11:00 (Gillespie)

(3) 11:35-12:25 (King)

(4) 2:35- 3:25 (King)

**621 MODERN LANGUAGE ARTS PROGRAM, ELEMENTARY (2)**

Lang, Wyatt

(2 sections)

Current research; critical examination of educational procedures in teaching the language arts. Prerequisites: basic course in teaching language arts, teaching experience.

Daily (1) 10:10-11:00 (Lang)

(2) 1:35- 2:25 (Wyatt)

**622 ELEMENTARY SCHOOL CURRICULUM (3)**

McAulay

Theoretical foundations of curriculum development; curriculum research; critical examination of current practices in curriculum development for the elementary school. Prerequisites: 221, 224, or equivalent, and teaching experience.

Daily 7:20-8:35

**623 ELEMENTARY SCIENCE CURRICULUM (3)**

A. Carr

Application of recent developments in science, curriculum construction, and learning theory to the elementary school. Science content as well as methodology will be stressed. Prerequisites: 323 and teaching experience.

Daily 10:10-11:25

**624 THE ELEMENTARY MATHEMATICS CURRICULUM (3)**

May

Analysis of research relating to teaching and learning arithmetic with attention given to the application of research findings to classroom procedures. Appraisal of recent curricular trends along with critical examination of the assumptions underlying the proposed change. Prerequisites: 324 and teaching experience.

Daily 11:35-12:50

- 625 THE ELEMENTARY SOCIAL STUDIES CURRICULUM (3)** **McAulay**  
Examination and evaluation of social science content, societal values, and research findings as a basis for the development and revision of social studies materials, texts, curriculum guides, and methodology. Prerequisites. 322 and teaching experience.  
Daily 10:10-11:25
- 626 ART IN ELEMENTARY EDUCATION (3)** **Thomas**  
Principles of and problems in teaching art in the elementary school; curriculum development and current approaches in art education; laboratory experiences in art media. Prerequisites: 326, Art 103.  
Daily 7:20-8:35
- 630 CURRICULUM DEVELOPMENT IN CREATIVE EXPRESSION (3)** **Siks**  
Leadership training for teachers of creative dramatics, rhythmic movement, and the related arts. Prerequisite: 330, Drama 410, or consent of instructor. Preference will be given to teachers under contract in Hawaii. Students registering in this course must reserve either the second or third 75-minute period for observation. Observation of children's classes limited to students registered in 630 or 330.  
Daily 7:20-8:35
- 667 CURRICULUM TRENDS IN EARLY CHILDHOOD EDUCATION (3)** **Bilous, Wyatt**  
(2 sections)  
Study of current issues and problems in kindergarten and early elementary education with emphasis on program planning for curriculum improvement. Prerequisites: 221, 224 or equivalent, and teaching experience.  
Daily (1) 8:45-10:00 (Bilous)  
(2) 11:35-12:50 (Wyatt)
- 679 SUPERVISION OF STUDENT TEACHING (2)** **Jenkins**  
Principles and methods; role of the supervisor; human relations in supervision of student teaching. Prerequisites: teaching experience; consent of instructor.  
Daily 1:35-2:25
- 722 SEMINAR IN ELEMENTARY CURRICULUM FOUNDATIONS (3)** **Ezer**  
Advanced study in development and improvement of the curriculum of elementary schools. Prerequisites: 622; consent of instructor. May be repeated once for credit. Enrollment limited to M.Ed. candidates.  
Daily 8:45-10:00

### Health and Physical Education (HPE)

At the time of registration a student is required to show evidence of a medical clearance issued by his own physician for the following courses: HPE 101 through 128 except 124, and 211 through 227. In cases where the physician's statement indicates moderate or restricted physical education, a subsequent clearance from the University Student Health Service will be required.

- 101 AQUATIC ACTIVITIES (1)** **Murchison**  
(2 sections)  
Skill, knowledge, attitudes, and appreciation.  
Daily (1) 9:10-10:00 (Beginning Swimming)  
(2) 10:10-11:00 (Beginning Swimming)

- 102 INDIVIDUAL AND DUAL ACTIVITIES (1)** Asato, Murchison, Schwitters, H. Vasconcellos  
(8 sections)  
Daily (1) 9:10-10:00 (Beginning Tennis) (Asato)  
(2) 9:10-10:00 (Beginning Golf) (Vasconcellos)  
(3) 10:10-11:00 (Beginning Tennis) (Asato)  
(4) 10:10-11:00 (Beginning Golf) (Vasconcellos)  
(5) 10:10-11:00 (Beginning Bowling) (Schwitters)  
(6) 11:35-12:25 (Beginning Tennis) (Asato)  
(7) 11:35-12:25 (Beginning Bowling) (Schwitters)  
(8) 1:35- 2:25 (Beginning Bowling) (Murchison)
- 111 INTERMEDIATE SWIMMING (1)** Seichi  
For students who have met basic requirements in swimming and desire to develop additional skills in swimming and diving. Emphasis placed largely on mastering leg and arm stroking movements.  
Daily 11:35-12:25
- 112 ADVANCED SWIMMING (1)** Seichi  
For students who have met basic and intermediate requirements in swimming and desire to develop additional skills in swimming and diving. Styles of swimming mastered; emphasis placed on coordination of parts into whole strokes for developing ease, endurance, and versatility in the water. Prerequisite: consent of instructor.  
Daily 9:10-10:00
- 114 DEVELOPMENTAL ACTIVITIES (1)** Gustuson  
(2 sections)  
Exercises with and without apparatus selected to meet personal needs; various forms and systems of exercise surveyed.  
Daily (1) 10:10-11:00  
(2) 11:35-12:25
- 115 TUMBLING (1)** Gustuson  
Exercises suitable for use with child and adult groups.  
Daily 9:10-10:00
- 117 PRINCIPLES AND TECHNIQUES OF SELF-DEFENSE (1)**  
(3 sections)  
Beginning course for men and women in the theory and practice of defending oneself. Emphasis on methods of resisting attack, escaping quickly, falling without injury, and disarming an aggressor. Separate sections for each of the major forms of the martial arts.  
Daily (1) 7:45- 8:35 (Aikido)  
(2) 9:10-10:00 (Karate)  
(3) 10:10-11:00 (Judo)
- 124 DANCES OF HAWAII (1)** Beamer, Kaina, Sharpe, M. Vasconcellos  
(18 sections)  
Designed to acquaint the student with background and fundamentals of the hula. Selected dances taught, with and without instruments. For certain advanced dances, a fee of \$4.00 may be assessed for purchase of appropriate stone and bamboo sticks (pu'iili).  
Daily (1) 7:45- 8:35 (Beamer) (10) 10:10-11:00 (Kaina)  
(2) 7:45- 8:35 (Kaina) (11) 10:10-11:00 (Sharpe)  
(3) 7:45- 8:35 (Sharpe) (12) 10:10-11:00 (Vasconcellos)  
(4) 7:45- 8:35 (Vasconcellos) (13) 11:35-12:25 (Beamer)  
(5) 9:10-10:00 (Beamer) (14) 11:35-12:25 (Kaina)  
(6) 9:10-10:00 (Kaina) (15) 11:35-12:25 (Sharpe)  
(7) 9:10-10:00 (Sharpe) (16) 11:35-12:25 (Vasconcellos)  
(8) 9:10-10:00 (Vasconcellos) (17) 1:35- 2:25 (Beamer)  
(9) 10:10-11:00 (Beamer) (18) 1:35- 2:25 (Kaina)

- 127 INTERMEDIATE GOLF (1)** **H. Vasconcellos**  
For those with some experience. Introduction to strategy of course-play while improving basic skills.  
MW 11:35-1:25 and F 11:35-12:25
- 130 PERSONAL HYGIENE (1)** **Asato**  
(2 sections)  
Scientific health information as a basis for hygienic living. Personal health problems.  
June 20-July 15  
Daily (1) 7:45-8:35  
(2) 1:35-2:25
- 211 METHODS AND MATERIALS OF AQUATICS AND LIFE SAVING (2)** **Seichi**  
Review of methods for teaching aquatic sports and review of the skills of (A.R.C.) life saving. Considerable practical work in individual swimming and life saving techniques. Red Cross certificate may be earned. Prerequisite: ability to swim 100 yards or consent of instructor.  
Daily 10:10-11:00
- 221 PHYSICAL EDUCATION, ELEMENTARY (2)** **Curtis**  
(2 sections)  
Content and method for programs on the elementary school level. Adaptations to meet situations with like groups outside school.  
Daily (1) 11:35-12:50  
(2) 1:10- 2:25
- 230 SCHOOL HEALTH PROBLEMS (2)** **Ryan**  
Responsibilities of the classroom teacher in recognizing and meeting health needs of the school child; school and community official and voluntary agencies.  
Daily 11:35-12:25
- 276 CURRENT TRENDS IN HEALTH (2)** **Ryan**  
Critical analysis of current problems and trends in basic health education areas which contribute to healthful living in the community, home, and school.  
Daily 10:10-11:00
- 503 SCIENTIFIC FOUNDATIONS OF PHYSICAL EDUCATION (3)** **Chui**  
Scientific laws and principles relevant to man's physical and social environment as these relate specifically to physical fitness and human movement. Prerequisites: 170 and consent of instructor.  
Daily 7:20-8:35
- 523 ADMINISTRATIVE PROBLEMS IN PHYSICAL EDUCATION (3)** **Adee**  
Current problems and recent trends in the conduct of physical education programs in public schools. For administrators, teachers, graduate students, and seniors in the fields of physical education. Prerequisite: consent of instructor.  
Daily 1:10-2:25
- 543 PUBLIC SCHOOL CURRICULUM FOR PHYSICAL EDUCATION (3)** **Adee**  
Detailed examination of the contents of an adequate curriculum for physical education in the public schools (kindergarten through grade 12). Prerequisite: 170, Ed SE 238, 636, or consent of instructor.  
Daily 7:20-8:35

**663 MECHANICAL ANALYSIS OF SPORTS ACTIVITIES (3)****Chui**

Analysis of variety of sports activities in terms of applications of fundamental principles of mechanics with consideration to teaching and research. Prerequisites: basic background in mathematics and physics, and consent of instructor.

Daily 10:10-11:25

### History and Philosophy of Education (Ed HP)

**570 ANTHROPOLOGY AND EDUCATION (2)****Fischer**

(Same as Anthropology 550)

Education as a means of transmitting culture. Socialization in non-literate societies; universal aspects of the process. Cross-cultural education.

Daily 11:35-12:25

**650 HISTORY OF EDUCATION (3)****Keppel, Potter, Wheeler**

(3 sections)

History of Western educational thought and practice as a basis for the study of modern school problems.

Daily (1) 7:20- 8:35 (Keppel)

(2) 10:10-11:25 (Potter)

(3) 1:10- 2:25 (Wheeler)

**660 PHILOSOPHY OF EDUCATION (3)****Kobayashi, Murra, Wheeler**

(4 sections)

Philosophy and science in education; social, psychological, and ethical considerations essential to a philosophy of education. Prerequisite: student teaching.

Daily (1) 7:20- 8:35 (Kobayashi)

(2) 10:10-11:25 (Wheeler)

(3) 11:35-12:50 (Murra)

(4) 2:35-3:50 (Murra)

**671 COMPARATIVE EDUCATION: ASIA (3)****Kobayashi**

Study of the educational problems, practices, and institutions in the countries of Asia.

Daily 10:10-11:25

**663 SOCIAL FOUNDATIONS OF EDUCATION (3)****Potter**

Impact on education of major social trends and forces operating in American society; social change and education. Prerequisite: consent of instructor.

Daily 1:10-2:25

**751 HISTORY OF AMERICAN EDUCATION (3)****Keppel**

History of educational thought and practice in America, with major emphasis on the 19th and 20th centuries. Prerequisite: 650.

Daily 10:10-11:25

### Secondary Education (Ed SE)

**230 SECONDARY EDUCATION (4)****Durrance**

Basic course dealing with the major problems of secondary education. Prerequisite: Psy 250.

Daily 10:10-11:50

**235 LITERATURE FOR ADOLESCENTS (2)****O. Davis**

Literature for the secondary school level; helping students appreciate the significance and meaning of literature; materials suitable for varying levels of ability and interests. Daily 9:10-10:00

**238 PHYSICAL EDUCATION, SECONDARY (2)****Tominaga**

Methods and materials in conduct of the physical activities program; techniques in leadership; selection of activities and program evaluation. Prerequisite: 230. Daily 1:35-2:25

**331 TEACHING OF READING IN INTERMEDIATE AND HIGH SCHOOL (2)**

Techniques and materials for teaching reading and improving reading skills in the intermediate and high school. Daily 11:35-12:25

**350 PARTICIPATION POLITICS IN SECONDARY SCHOOL INSTRUCTION (3)**

(Same as Pol Sci 350)

Introduction, balanced presentation, and analysis of controversial public affairs topics and issues in the classroom. Roles of politicians, parties, pressure groups, media, public opinion polls, and campaigns in the development of public policy in a democracy. Prerequisites: teaching and consent of instructor. Daily 10:10-11:25

**351 PARTICIPATION POLITICS: AMPLIFICATION AND DEMONSTRATION OF CLASSROOM APPLICATIONS (2)**

(Same as Pol Sci 351)

Discussion of guest presentations in Ed SE (Pol Sci) 350. Review of tapes, slides, movies, and biographic materials in the field of public affairs, in particular relating to Hawaiian politics. (Recommended as an adjunct course to be taken concurrently with Ed SE (Pol Sci) 350. May not be taken separately without special permission of the instructors.) Daily 11:35-12:25

**465 ORGANIZATION AND ADMINISTRATION OF HIGH SCHOOL SPEECH PROGRAMS (SPEECH INSTITUTE) (4)****Staff**

(Same as Speech 465)

Study of the philosophy, organization, and administration of speech activities and festivals, including debate, discussion, extemporaneous speaking, and the interpretative arts. Practical training and coaching, judging, and administering speech programs. Recommended for high school speech and English teachers and for juniors and seniors who wish to teach speech at the secondary level. Daily 7:45-8:45 and 11:30-12:35

**495 WORKSHOP IN AEROSPACE EDUCATION (5)****Crum**

(Same as Ed EE 495)

General education approach to aerospace science and technology; social, political, economic, and military implications; designed for teachers of grades K-12 with minimum background in these areas. Lecture discussions with leaders in the field, films, and other materials depicting recent aerospace activities; field trips, demonstrations of science principles, and opportunity for development of curriculum materials by participating teachers for use in their classrooms. Course fee of \$15 to cover cost of supplies and equipment. Daily 8:30-3:30



- 502 VOCATIONAL EDUCATION INSTITUTE (3)** Swanson  
 (Same as Ed EA 502)  
 The Institute will explore new approaches to vocational education in the high school, technical school, and community college. Impact of federal funds on the program will be studied as well as administration, organization, curriculum, and teaching methods.  
 Daily 11:35-12:50
- 531 EDUCATION OF SLOW LEARNERS (3)** Hewett  
 (Same as Ed EE 531)  
 Characteristics and educational provisions for slow learning children.  
 Daily 8:45-10:00
- 532 CURRICULUM DEVELOPMENT AND INSTRUCTION FOR SLOW LEARNERS (3)** Hewett  
 (Same as Ed EE 532)  
 Development of curricula and use of instructional materials for teaching slow learners, in grades K-12.  
 Daily 11:35-12:50
- 630 SECONDARY SCHOOL PUBLICATIONS (4)** Wiley  
 Principles and practices of planning and publishing secondary school newspapers, year-books, literature, magazines, other publications. Special attention to problems and responsibilities of publications advisers in secondary schools.  
 Daily 11:35-2:50
- 634 EXTRACLASS ACTIVITIES IN SECONDARY SCHOOLS (2)** Meyer  
 Planning and supervising student government, dramatics, athletics, school journalism, and other activities.  
 Daily 10:10-11:00
- 635 JUNIOR HIGH SCHOOL CURRICULUM (3)** Fultz  
 Programs for the intermediate school; relationship of teachers, administrators, and parents; curriculum problems; evaluation. Prerequisite: teaching experience.  
 Daily 11:35-12:50
- 636 SECONDARY SCHOOL CURRICULUM (3)** Martin  
 Principles and techniques of curriculum improvement at the secondary school level. Prerequisite: teaching experience.  
 Daily 7:20-8:35
- 637 ART IN SECONDARY EDUCATION (3)** Pickens  
 Principles of and problems in teaching art in secondary school; current approaches in teaching art. Prerequisites: 336 and consent of instructor.  
 Daily 10:10-11:25
- 640(1) SEMINAR IN SPECIAL METHODS: BUSINESS EDUCATION (3)** Moriwaki  
 Study of trends, research data, problems of implementation in special methods of teaching in secondary school fields of study. Prerequisites: undergraduate special methods course in appropriate teaching field; teaching experience.  
 Daily 1:10-2:25
- 640(4) SEMINAR IN SPECIAL METHODS: HEALTH AND PHYSICAL EDUCATION (3)** Tominaga  
 Study of trends, research data, problems of implementation in special methods of teaching in secondary school fields of study. Prerequisites: undergraduate special methods course in appropriate teaching field; teaching experience.  
 Daily 8:45-10:00

**640(7) SEMINAR IN SPECIAL METHODS: MATHEMATICS EDUCATION (3) Whitman**

Study of trends, research data, problems of implementation in special methods of teaching in secondary school fields of study. Prerequisites: undergraduate special methods course in appropriate teaching field; teaching experience.

Daily 8:45-10:00

**640(8) SEMINAR IN SPECIAL METHODS: SCIENCE EDUCATION (3) Campbell**

Study of trends, research data, problems of implementation in special methods of teaching in secondary school fields of study. Prerequisites: undergraduate special methods course in appropriate teaching field; teaching experience.

Daily 8:45-10:00

**640(9) SEMINAR IN SPECIAL METHODS: SOCIAL STUDIES EDUCATION (3) Fultz**

Study of trends, research data, problems of implementation in special methods of teaching in secondary school fields of study. Prerequisites: undergraduate special methods course in appropriate teaching field; teaching experience.

Daily 2:35-3:50

**679 SUPERVISION OF STUDENT TEACHING (2) Durrance**

Principles and methods; role of the supervisor; human relations in supervision of student teaching. Prerequisites: teaching experience; consent of instructor.

Daily 1:35-2:25

**733 SEMINAR IN CURRICULUM, SECONDARY (3) Martin, Meyer**

(2 sections)

Advanced study in development and improvement of the curriculum of secondary schools. Prerequisite: 636 or teaching experience. May be repeated once for credit.

Daily (1) 10:10-11:25 (non-degree) (Martin)

(2) 1:10- 2:25 (for M.Ed. degree candidates) (Meyer)

### Industrial Education (IE)

**300 INDUSTRIAL CRAFTS—JEWELRY AND LAPIDARY PROCESSES (2) Arakaki**

(2 sections)

Design, processes, and materials of jewelry making; lapidary processes and materials for polishing semi-precious gemstones; black coral polishing and mounting.

Daily (1) 10:10-11:00

(2) 1:35- 2:25

**307 ADVANCED DRAFTING AND DESIGN (3) Bunten**

Drafting and design principles in fabrication of industrial products; problems of wood, metal, other materials; architectural drafting. Application to instruction.

Daily 8:45-10:00

**401 PROBLEMS IN INDUSTRIAL EDUCATION (arr.) Bunten**

Program arranged for specialization in several technical areas. May be repeated for total of 5 credits.

Daily hrs. arr.

**402 IMPROVEMENT OF INSTRUCTION, INDUSTRIAL EDUCATION (arr.) Bunten**

Consideration of problems in teaching industrial education. May be repeated for total of 5 credits.

Daily hrs. arr.

**764 SEMINAR IN INDUSTRIAL EDUCATION (2) Bunten**

Individual study of special problems.

Daily 10:10-11:00

## Engineering

### Civil (CE)

#### 170 APPLIED MECHANICS I (3)

Equilibrium of particles, rigid bodies, frames and machines; vectors, centroids, friction, and moments of inertia. Prerequisites: Math 141; Phys 170.

Daily 8:45-10:00

### Electrical (EE)

#### 102 ELECTRICAL SCIENCE (3)

Development of electrical science concepts from physics of electricity and magnetism. Prerequisites: Math 142; Phys 172.

Daily 8:45-10:00

#### 211 CIRCUIT THEORY I (3)

Analysis of electrical circuits. Transform methods. Topology. Prerequisites: Phys 172; registration or credit in Math 143.

Daily 10:10-11:25

### General (GE)

#### 101 ENGINEERING GRAPHICS (2)

Applied geometry, orthographic and pictorial instrument drawing and sketching, dimensioning, auxiliary and section views. Fundamentals in analysis and solution of spatial problems pertaining to points, lines, and planes. Primarily for those students who are deficient in high school mechanical drawing.

Daily 1:30-4:00

#### 105 ENGINEERING GRAPHICS (3)

Landstreet

Analysis and solution of spatial problems pertaining to points, lines, and planes, and their application to engineering. Surface intersections, vector geometry, and graphical calculus. Prerequisite: one year high school mechanical drawing. Not open to students who have credit in both 101, 102. 105 may be taken in place of 102 to satisfy the graphics requirement.

Daily 8:30-12:00

### Mechanical (ME)

#### 231 THERMODYNAMICS (3)

Chai

Basic laws. Work, heat and the concept of entropy. Perfect gases, mixtures. Availability, irreversibility, and efficiency. Prerequisites: Phys 172; Math 143.

Daily 10:10-11:25

#### 243 MECHANICS OF SOLIDS (3)

Downs

Analysis of deformable bodies. Stresses, strains, and criteria for yielding and fracture. Torsion, bending, and buckling. Prerequisites: CE 170; Math 143.

Daily 8:45-10:00

## English (Eng)

#### 101 EXPOSITORY WRITING (First Semester) (3)

Staff

(20 sections)

Training in analysis of expository essays; introduction and practice of principal exposition procedures, including assertion, exemplification, definition, classification. For all students qualifying in University entrance examinations. (English 101 in the summer

*session* is not recommended for students who have taken English 101 previously and received a grade of *F*.)

Daily (1)	7:20- 8:35	(11)	10:10-11:25
(2)	7:20- 8:35	(12)	10:10-11:25
(3)	7:20- 8:35	(13)	10:10-11:25
(4)	7:20- 8:35	(14)	10:10-11:25
(5)	7:20- 8:35	(15)	11:35-12:50
(6)	8:45-10:00	(16)	11:35-12:50
(7)	8:45-10:00	(17)	11:35-12:50
(8)	8:45-10:00	(18)	1:10- 2:25
(9)	8:45-10:00	(19)	1:10- 2:25
(10)	8:45-10:00	(20)	1:10- 2:25

**102 EXPOSITORY WRITING (Second Semester) (3)**

**Staff**

(14 sections)

Study and practice of argument and persuasion; assembling and organizing research materials; analysis and evaluation of one or two works of imaginative literature; introduction to study of prose style. Prerequisite: English 101. (English 102 in the *summer session* is not recommended for students who passed English 101 with a grade of *D*, or who have taken English 102 previously and received a grade of *F*.)

Daily (1)	7:20- 8:35	(8)	8:45-10:00
(2)	7:20- 8:35	(9)	10:10-11:25
(3)	7:20- 8:35	(10)	10:10-11:25
(4)	7:20- 8:35	(11)	11:35-12:50
(5)	7:20- 8:35	(12)	11:35-12:50
(6)	8:45-10:00	(13)	1:10- 2:25
(7)	8:45-10:00	(14)	1:10- 2:25

**150 MAJOR WORKS OF BRITISH AND AMERICAN LITERATURE (3)**

**Gavrell, Lowers,  
W. Smith**

(3 sections)

From the Middle Ages to 1800; an introductory course for sophomores.

Daily (1)	8:45-10:00 (Lowers)
(2)	10:10-11:25 (Gavrell)
(3)	1:10- 2:25 (Smith)

**151 MAJOR WORKS OF BRITISH AND AMERICAN LITERATURE (3)**

**W. Johnson, Mathison,  
Menikoff**

(3 sections)

From 1800 to the present; an introductory course for sophomores.

Daily (1)	8:45-10:00 (W. Johnson)
(2)	10:10-11:25 (Menikoff)
(3)	11:35-12:50 (Mathison)

**152 WORLD LITERATURE: TO THE RENAISSANCE (3)**

**Kearney, Sutliff, Sutton**

(3 sections)

Major works of classical, Oriental, European, and English literature.

Daily (1)	7:20- 8:35 (Sutliff)
(2)	8:45-10:00 (Sutton)
(3)	10:10-11:25 (Kearney)

**153 WORLD LITERATURE: 1600 TO THE PRESENT (3)**

**Summersgill, Sutliff, Wellein**

(3 sections)

Major works of classical, Oriental, European, American, and English literature.

Daily (1)	7:20- 8:35 (Summersgill)
(2)	10:10-11:25 (Wellein)
(3)	11:35-12:50 (Sutliff)

**154 TYPES OF LITERATURE (3)**

Clausen, Feltham, R. Williams

(3 sections)

Practical criticism in the major genres of European and American literature. Short story, novel, literary essay, introduction to poetry (narrative).

- Daily (1) 8:45-10:00 (R. Williams)  
 (2) 10:10-11:25 (Feltham)  
 (3) 11:35-12:50 (Clausen)

**155 TYPES OF LITERATURE (3)**

Fujinaga, Marshall, Wellein

(3 sections)

Practical criticism in the major genres of European and American literature, drama, biography, poetry.

- Daily (1) 8:45-10:00 (Marshall)  
 (2) 10:10-11:25 (Fujinaga)  
 (3) 1:10- 2:25 (Wellein)

**209 WRITTEN COMMUNICATION (3)**

Barnes, Gavrell, Sutton

(3 sections)

Practice in informative, analytical, and persuasive writing. Open only to students in Business Administration and Home Economics. Prerequisite: 102 and sophomore literature, or equivalent.

- Daily (1) 7:20- 8:35 (Gavrell)  
 (2) 10:10-11:25 (Barnes)  
 (3) 11:35-12:50 (Sutton)

**210 TECHNICAL EXPOSITION (3)**

Fellmeth, Mann, Wood

(4 sections)

Analysis of selected scientific prose; principles and practice of presenting technical information. Open to juniors and seniors in scientific fields.

- Daily (1) 7:20- 8:35 (Mann)  
 (2) 8:45-10:00 (Wood)  
 (3) 10:10-11:25 (Fellmeth)  
 (4) 1:10- 2:25 (Wood)

**220 STRUCTURE OF AMERICAN ENGLISH (3)**

Brown

(2 sections)

Introduction to the phonology, morphology, and syntax of present-day American English.

- Daily (1) 8:45-10:00  
 (2) 1:10- 2:25

**231 INTRODUCTION TO POETRY (3)**

Frierson, Simpson, P. Thompson

(4 sections)

Written and oral analysis of the imagery, sound, language, and form and structure of poems, leading to increased awareness of the nature of poetry.

- Daily (1) 7:20- 8:35 (Simson)  
 (2) 8:45-10:00 (Thompson)  
 (3) 10:10-11:25 (Frierson)  
 (4) 11:35-12:50 (Thompson)

**336 INTRODUCTION TO LITERARY PROBLEMS (3)**

Fujimura, Hurwitz

(2 sections)

Critical evaluation of the genres of literature, of various modes of analysis, and of problems involved in literary perception.

- Daily (1) 8:45-10:00 (Hurwitz)  
 (2) 11:35-12:50 (Fujimura)

- 444 MODERN DRAMATIC LITERATURE (3)** **F. W. Jones**  
European and American, O'Casey to Miller, 1920 on.  
Daily 11:35-12:50
- 448 THE ENGLISH NOVEL, 1832-1900 (3)** **Mathison**  
Historical and critical study of the development of the English novel from Charles Dickens to Thomas Hardy.  
Daily 8:45-10:00
- 452 CHAUCER (3)** **Summersgill**  
Study of Chaucer's development from the early poems through *The Canterbury Tales*.  
Daily 10:10-11:25
- 457 SHAKESPEARE (3)** **Fujimura, Lowers**  
(2 sections)  
Shakespeare's plays from the beginning to *Hamlet*.  
Daily (1) 11:35-12:50 (Lowers)  
(2) 1:10- 2:25 (Fujimura)
- 471 LATE EIGHTEENTH-CENTURY ENGLISH LITERATURE (3)** **Maltby**  
Poetry, prose (exclusive of the novel), and drama from 1740 to 1780, with emphasis on the works of Johnson and his circle.  
Daily 10:10-11:25
- 485 VICTORIAN LITERATURE (3)** **Frierson**  
Poetry and prose from 1832 to 1870, exclusive of the novel.  
Daily 1:10-2:25
- 490 TWENTIETH-CENTURY BRITISH NOVEL (3)** **Menikoff**  
Daily 7:20-8:35
- 571 AMERICAN LITERATURE: BEGINNING TO THE CIVIL WAR (3)** **Hurwitz**  
Survey of American literature from the beginning to the Civil War.  
Daily 11:35-12:50
- 573 AMERICAN LITERATURE AND CULTURAL HISTORY (3)** **Fogle**  
Major figures of the 19th century American Romanticism.  
Daily 8:45-10:00
- 585 LITERATURE OF THE PACIFIC (3)** **Leib**  
Literature of the Pacific Islands and Australia: narratives of voyages and travels, translations of native folk literature, and short stories and novels by such writers as Melville, Stevenson, London, Becke, Nordhoff and Hall.  
Daily 10:10-11:25
- 590 TWENTIETH-CENTURY AMERICAN NOVEL (3)** **Levy**  
Daily 10:10-11:25
- 625 HISTORY OF THE ENGLISH LANGUAGE (3)** **Feltham**  
Growth and development of the English language; sources, forms, mutations, and standards of usage.  
Daily 7:20-8:35

- 630 SEMINAR IN RESEARCH METHODS (3)** **Bouslog**  
 Kinds of research, problems of bibliography, fundamentals of thesis writing. Required of all candidates for the M.A. degree in English.  
 MWF 10:10-12:15
- 635 SEMINAR IN COMPARATIVE LITERATURE: THEORY AND PRACTICE OF TRAGIC DRAMA (3)** **F. W. Jones**  
 Problems of definition and understanding, studies in the light of modern critical ideas and of plays from England, France, Germany, Italy, and ancient Greece.  
 Daily 8:45-10:00
- 685 SEMINAR IN ENGLISH LITERATURE: KEATS (3)** **Fogle**  
 Keats' major poetry.  
 MWF 11:35-1:40

### English Language Institute (ELI)

- 50 ENGLISH AS A SECOND LANGUAGE (0)** **Staff**  
 (4 sections)  
 Intensive practice in basic oral and written English. Meets for 12 weeks, 6 hours per day, including language laboratory. Course fee \$70.00.  
 Daily all sections 8:10-11:00 and 1:10-4:00
- 60 INTERMEDIATE ENGLISH AS A SECOND LANGUAGE (0)** **Staff**  
 (6 sections)  
 Practice in oral and written English, designed to develop further fluency and accuracy. Meets for 12 weeks, 2½ hours per day; additional laboratory work required. Course fee \$35.00.  
 Daily (1) 7:35-10:00                      Laboratory, MWF 11:10-12:00 or 12:10-1:00  
       (2) 8:10-10:35  
       (3) 9:10-11:35  
       (4) 10:10-12:35  
       (5) 10:10-12:35  
       (6) 1:10- 3:35
- 110 ADVANCED ENGLISH AS A SECOND LANGUAGE (3)** **Staff**  
 (6 sections)  
 Advanced instruction in spoken and written English, with emphasis on control of complex syntactical constructions, vocabulary development, and aural comprehension of extended narrative. Meets for 12 weeks, 1 hour per day; additional laboratory work required. Course fee \$25.00  
 Daily (1) 7:35-10:00                      Laboratory, MWF 11:10-12:00 or 12:10-1:00  
       (2) 8:10-10:35  
       (3) 10:10-11:00  
       (4) 10:10-11:00  
       (5) 11:10-12:00  
       (6) 1:10- 2:00
- 120 READING PROGRAM FOR FOREIGN STUDENTS (2)** **Staff**  
 Instruction and practice in techniques for the development of effective reading habits, with emphasis on particular problems relating to reading English as a foreign language. Meets for 6 weeks. (Offered first and second terms.)  
 Daily 2:10-3:00







## Hawaiian (Haw)

- 101 ELEMENTARY HAWAIIAN (3)** **Anthony**  
 Emphasis on conversation with some attention to Hawaiian songs.  
 Daily 8:10-10:00                      Laboratory, daily by arrangement
- 151 INTERMEDIATE HAWAIIAN (3)** **D. E. Johnson**  
 Reading of legends and traditional materials. Conversation with laboratory drill. Conducted in Hawaiian.  
 Daily 10:10-12:00                      Laboratory, daily by arrangement

## Hindi (Hindi)

- 101 ELEMENTARY HINDI (3)** **Baumer**  
 Conversation with laboratory drill.  
 Daily 8:10-10:00                      Laboratory, daily by arrangement
- 151 INTERMEDIATE HINDI (3)** **Baumer**  
 Continuation of 102. Reading and conversation with laboratory drill.  
 Daily 10:10-12:00                      Laboratory, daily by arrangement

## History (Hist)

- 151 WORLD CIVILIZATION (3)** **Ferrill**  
 Survey of the more significant political, social, economic, and intellectual factors in the development of civilization 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 17th century.  
 Daily 8:45-10:00
- 171 INTRODUCTION TO AMERICAN HISTORY (3)** **Hunter**  
 General survey of the evolution of America from Columbus' voyages to the present, emphasizing political, intellectual, and social forces that have operated and that continue to guide the nation in the 20th century.  
 Daily 11:35-12:50
- 341 HISTORY OF THE FAR EAST TO THE MID-19TH CENTURY (3)** **Lamley**  
 Survey of political, social, and economic history of the Far East as a unit to the mid-19th century.  
 Daily 1:10-2:25
- 401 GREEK CIVILIZATION (2)** **Ferrill**  
 Study of the history, art, and culture of Greece.  
 Daily 11:35-12:25
- 409 RENAISSANCE AND REFORMATION, 1300-1600 (2)** **Ernest**  
 Ideas and institutions in the early period of commercial and national development.  
 Daily 7:45-8:35
- 410 EARLY MODERN EUROPE, 1600-1800 (2)** **Ernest**  
 Thought and culture of Europe in the age of expansion.  
 Daily 10:10-11:00

- 415 HISTORY OF RUSSIA TO 1850 (3)** **White**  
 Survey of the development of Russian thought and institutions, and of territorial expansion.  
 Daily 7:20-8:35
- 481 HISTORY OF THE UNITED STATES TO 1789 (2)** **Cowing**  
 Expansion of Europe into the Western Hemisphere; establishment of American independence and the Constitution.  
 Daily 9:10-10:00
- 481 AMERICAN THOUGHT AND CULTURE (3)** **Van Tassel**  
 Advanced course in American social customs, institutions, and intellectual pursuits.  
 Daily 10:10-11:25
- 531 HISTORY OF CHINA (2)** **Lamley**  
 Course of Chinese civilization from the earliest time.  
 Daily 11:35-12:25
- 541 HISTORY OF JAPAN (2)** **Mammitzsch**  
 Historical survey of Japanese culture, government, economics, institutions.  
 Daily 1:35-2:25
- 552 HISTORY OF SOUTH ASIA, 1000 A.D.-PRESENT (2)** **Crane**  
 General historical survey of India, Pakistan, Ceylon from 1000 A.D. to the present.  
 June 27-July 29  
 Daily 9:00-10:00
- 555 HISTORY OF THE MUGHAL EMPIRE (2)** **Singh**  
 Rise and fall of the Moslem dynasty of India, 1526-1857.  
 Daily 9:10-10:00
- 556 ISLAMIC HISTORY OF THE MIDDLE EAST TO 1517 (3)** **Hanessian**  
 Arabia before Islam, Muhammed and the rise of Islam, the conquests, the Islamic Empire, Islamic civilization, the Arabs in eclipse.  
 Daily 11:35-12:50
- 557 THE MODERN MIDDLE EAST SINCE 1914 (3)** **Hanessian**  
 Growth of nationalism, the interwar period, the West in the Middle East, the Palestine problem, development of Arab socialism, the Soviet Union in the Middle East, pattern of recent political history.  
 Daily 1:10-2:25
- 575 THE UNITED STATES IN THE PACIFIC (3)** **D. D. Johnson**  
 Growth of economic and political interests and policies in the Pacific area. Interchangeable credit: Asian, Pacific, or American.  
 Daily 10:10-11:25
- 577 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



## Indonesian (Ind)

- 111 INTENSIVE ELEMENTARY INDONESIAN (6)** **Roosman**  
 Intensive course equivalent to the elementary Indonesian in the academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill daily required.  
 Daily 10:10-12:30; 2:40-5:00      Laboratory, daily by arrangement.
- 151 INTERMEDIATE INDONESIAN (3)** **de Queljoe**  
 Reading and conversation with laboratory drill; the equivalent of the first semester's work in the academic year. One period of laboratory drill daily is required.  
 Daily 8:10-10:00      Laboratory, daily by arrangement

## Japanese (Jap)

- 101 ELEMENTARY JAPANESE (3)** **M. G. Hashimoto, et al.**  
 (4 sections)  
 Development of four skills: listening, speaking, reading, and writing. Structural points introduced inductively. One period of laboratory drill daily is required.  
 Daily (1) 7:40-10:00      Laboratory, daily by arrangement  
       (2) 7:40-10:00  
       (3) 7:40-10:00  
       (4) 7:40-10:00
- 105 ELEMENTARY JAPANESE—REVIEW (3)** **Ohara, et al.**  
 (4 sections)  
 Students who already have Japanese background or some degree of Japanese proficiency may enter the course after passing the placement test. Course content similar to Japanese 101-102. One period of laboratory drill daily is required.  
 Daily (1) 10:10-12:00      Laboratory, daily 12:10-12:55  
       (2) 10:10-12:00  
       (3) 10:10-12:00  
       (4) 10:10-12:00
- 111 INTENSIVE ELEMENTARY JAPANESE (6)** **Larrabee, Okutsu, J. Young**  
 (5 sections)  
 Intensive course equivalent to elementary Japanese in the academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill daily required.  
 Daily (1) 10:10-12:30; 2:40-5:00      Laboratory, 9:10-9:30; 1:35-1:55  
       (2) 10:10-12:30; 2:40-5:00      Laboratory, 8:10-9:30; 1:35-1:55  
       (3) 10:10-12:30; 2:40-5:00      Laboratory, 9:35-9:55; 2:10-2:30  
       (4) 10:10-12:30; 2:40-5:00      Laboratory, 9:35-9:55; 2:10-2:30  
       (5) 10:10-12:30; 2:40-5:00      Laboratory, 9:35-9:55; 2:10-2:30
- 161 INTERMEDIATE JAPANESE (4)** **Tsuruoka**  
 Continuation of 101-102. One period of laboratory drill daily is required.  
 Daily 7:40-10:00      Laboratory, daily by arrangement
- 211 THIRD-LEVEL JAPANESE (3)** **Kurokawa**  
 Study of modern spoken and written Japanese involving advanced structures, expressions, patterns and *kyooiku kanji*. Prerequisite: 162 or equivalent.  
 Daily 8:10-10:00

- 251 JAPANESE FOR READING KNOWLEDGE (3)** **Yasuda**  
 Reading course for those who are not Japanese majors but who are interested in developing skill in the reading of textual materials pertinent to their areas of research. Prerequisite: 162 or equivalent.  
 Daily 12:40-2:30
- 401 JAPANESE LITERATURE IN ENGLISH (3)** **Vigielmo**  
 Historical survey of Japanese literature (verse and prose). Comparative study of the literature of Japan and the West to be made when necessary. Prerequisite: two semesters of literature in English department.  
 Daily 11:35-12:50
- 408 STRUCTURE OF JAPANESE (3)** **M. Hashimoto**  
 Phonology, morphology, syntax of modern colloquial Japanese. Prerequisite: a course in general linguistics, 162 or equivalent.  
 Daily 7:20-8:35
- 415 JAPANESE GRAMMAR—COLLOQUIAL (3)** **Fujioka**  
 Detailed analysis of problem areas of modern colloquial grammar. Prerequisite: 212 or equivalent.  
 Daily 7:20-8:35
- 417 FOURTH-LEVEL JAPANESE (3)** **Uyehara**  
 Study of modern spoken and written Japanese involving complicated structures, expressions, patterns and *tooyoo kanji*. Prerequisite: 212.  
 Daily 12:40-2:30

### Korean (Kor)

- 111 INTENSIVE ELEMENTARY KOREAN (6)** **Park**  
 Intensive course equivalent to elementary Korean in the academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill daily are required.  
 Daily 10:10-12:30; 2:40-5:00      Laboratory, daily by arrangement
- 161 INTERMEDIATE KOREAN (4)** **Y. S. Lee**  
 Continuation of 101-102. One period of laboratory drill daily is required.  
 Daily 7:40-10:00      Laboratory, daily by arrangement

### Library Studies (LS)

- 601 BIBLIOGRAPHY AND REFERENCE SOURCES (3)** **Greer**  
 Analysis of the means by which availability and content of graphic materials are recorded; characteristics and problems of national and subject bibliography; and function of the librarian as bibliographer. Introduction to materials and methods for locating information in general reference sets, specific fact sources, periodical indexes, abstract series; analytical and searching procedures for simple inquiries.  
 June 20-July 9  
 Daily hrs. arr.

**605 BASIC CATALOGING AND CLASSIFICATION (3)****Kamida**

Designed as an introduction to cataloging in the research or large general library and as a terminal course in cataloging for the school or small popular library. Covers principles and practice of descriptive cataloging, structure and application of Dewey Decimal Classification and Sears' List of Subject Headings, and use of printed cards.

June 20-July 9

Daily hrs. arr.

**615 BUILDING LIBRARY COLLECTIONS (3)****Taylor**

Criteria for evaluating and selecting library materials, devising and maintaining an acquisition program, and the structure of the book trade. Findings of studies of library use are drawn where applicable. Prerequisite: 601.

June 20-July 9

Daily hrs. arr.

**647 MANAGEMENT OF LIBRARY OPERATIONS (3)****Andrews**

Study of the philosophies and techniques of scientific management and their application to library operations such as circulation, acquisition, and cataloging routines. Provides a foundation in the principal routines in libraries of all types and in the theory and practice of scientific management which will enable students to analyze routines and, where necessary, to design improved methods for performance of library operations.

June 20-July 9

Daily hrs. arr.

**678 READER SERVICES (3)****Harris**

Introduction to major forms of library services for the readers as developed in libraries of all types. Emphasis on study of the community served as a basis for the program of reader services. Wide reading, class lectures and discussion, student projects, and an opportunity to observe services provided in public, school, college, and special libraries in the area.

June 20-July 9

Daily hrs. arr.

**682 READING MATERIAL FOR YOUTH (3)**

Evaluation of books and magazines for young people of junior and senior high school age; book selection tools and criteria for judging. Developmental needs of young people with attention to materials for exceptional readers. Methods of stimulating reading such as book lists and book talks.

June 20-July 9

Daily hrs. arr.

**602 ADVANCED REFERENCE SOURCES (3)****Bonn**

Continued discussion of various types of general reference tools. Introduction to the subject approach in reference work through the three major areas: sciences, social sciences, humanities. Each are analyzed in terms of characteristics of the literature and of typical problems and methods of reference work; major works in each area studied as examples. Prerequisite: 601.

July 11-30

Daily hrs. arr.

**610 SOCIAL FUNCTIONS OF LIBRARIES (3)**

Greer

Introduction of librarianship. Four aspects of the course include: librarianship as a profession, history of books and libraries, a survey of current programs and trends in American libraries, and international aspects of librarianship.

July 11-30

Daily hrs. arr.

**650 ADMINISTRATION OF LIBRARIES (3)**

Andrews

Organization and human factors which make for effective library service. Covers governmental relations, policy making, structure of jobs and departments, communication and coordination, staffing, financing, and housing. Case studies used for instructional purposes.

July 11-30

Daily hrs. arr.

**664 ABSTRACTING AND INDEXING FOR INFORMATION SERVICES (3)**

Welt

Principles, practices, and development of abstracting and indexing services. Integrating these into the complex of special library operations, with emphasis upon current awareness and the retrospective searching needs of clientele. Analyzes various types of abstracts, their organization and uses, and develops skill in preparation of abstracts and indexes.

July 11-30

Daily hrs. arr.

**681 READING MATERIALS FOR YOUTH (3)**

De Angelo

Historical background of children's literature; tools for book selection in this field. Evaluation of contemporary children's books and recordings on basis of development needs of children through the sixth grade, and criteria for various types. Opportunity to develop skills in storytelling through critique by visiting specialist.

July 11-30

Daily hrs. arr.

## Linguistics (Ling)

**202 GENERAL LINGUISTICS (3)**

Nature and workings of language, and its role in culture and history.

Daily 8:45-10:00

## Mathematics (Math)

**102 PLANE TRIGONOMETRY (3)**

(2 sections)

Prerequisites: two years of high school algebra; one year of plane geometry.

Daily (1) 8:45-10:00

(2) 10:10-11:25

**103 COLLEGE ALGEBRA (3)**

(3 sections)

Prerequisite: facility in trigonometry or concurrent registration in 102.

Daily (1) 7:20- 8:35

(2) 8:45-10:00

(3) 11:35-12:50



**111 INTRODUCTION TO MATHEMATICS (3)**

(3 sections)

To acquaint the non-specialist with the position of mathematics in modern culture.

Daily (1) 7:20- 8:35  
 (2) 8:45-10:00  
 (3) 11:35-12:50

**112 ALGEBRA (3)**

Deductive treatment of elementary and intermediate algebra, emphasizing the concepts of function, identity and equation. Prerequisite: 111 or equivalent.

Daily 8:45-10:00

**113 TRIGONOMETRY AND ANALYTIC GEOMETRY (3)**

Periodicity, trigonometric functions, elementary identities; analytic geometry of the line, circle, and parabola. Prerequisite: 112 or equivalent.

Daily 10:10-11:25

**114 CALCULUS (3)**

Intuitive introduction to the derivative, the definite integral, and their applications. Prerequisite: 113 or equivalent. (Primarily for non-science majors).

Daily 8:45-10:00

**135 CALCULUS I (4)**

(3 sections)

Basic concepts and techniques, derivatives, conics, and integrals. Prerequisite: 103 or two years of high school algebra and trigonometry.

Daily (1) 7:20- 8:35	Laboratory, M 1:00-3:00
(2) 8:45-10:00	Laboratory, T 1:00-3:00
(3) 10:10-11:25	Laboratory, W 1:00-3:00

**136 CALCULUS II (4)**

(2 sections)

Exponential, logarithmic, trigonometric, and hyperbolic functions; techniques of integration; vectors; three dimensional space; multiple integration. Prerequisite: 135 or equivalent.

Daily (1) 7:20- 8:35	Laboratory, Th 1:00-3:00
(2) 8:45-10:00	Laboratory, F 1:00-3:00

**201 FINITE MATHEMATICS (3)**

Symbolic logic of statements and sets, partitions, permutations, combinations and elementary probability. Prerequisite: 114.

Daily 11:35-12:50

**232 APPLIED ADVANCED CALCULUS II (3)**

(2 sections)

Vector fields, Green's theorem, differential equations. Prerequisite: 143.

Daily (1) 7:20-8:35  
 (2) 10:10-11:25

**Microbiology (Micro)****130 MICROBES AND MAN (2)****O. A. Bushnell**

General introduction to the world of microbiology, presenting different kinds of microorganisms and their manifold activities as they affect people and their possessions. At-

tention to 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. Not open to students who have had 151 (General Bacteriology). Prerequisite: a year of high school science or its equivalent.  
Daily 10:10–11:00

**699 DIRECTED RESEARCH (arr.)**

Selected problems in microbiology. Prerequisite: consent of instructor.  
Hrs. arr.

**800 THESIS RESEARCH (arr.)**

Hrs. arr.

## Music (Mus)

**140 RECREATIONAL MUSIC (2)**

**Uchima**

Elementary music skills including instruction on the ukulele. For recreation majors but open to others. Not open to those who have had 150.  
Daily 9:10–10:00

**150 ELEMENTARY MUSICIANSHIP (3)**

**Rian**

Terminology, notation, sight singing, rhythmic and melodic dictation, and ukulele instruction. For prospective teachers. Not open to those who have had 140.  
Daily 8:45–10:00

**151 STRING METHODS (2)**

**Landsman**

Basic skills and teaching methods for stringed instruments. For students preparing to teach instrumental music.  
Daily 9:10–10:00

**153 WOODWIND METHODS (2)**

**Uchima**

Similar to 151.  
Daily 7:45–8:35

**160 INTRODUCTION TO MUSIC LITERATURE (3)**

**Vaught**

Orchestral literature from the classical through the modern period. From listener's point of view.  
Daily 10:10–11:25

**171 JAPANESE DANCE AND ITS MUSIC (1)**

**Arai**

Introduction to Japanese dance, folk and traditional. Background, demonstration, and participation.  
June 27–July 22  
Daily 7:45–9:00

**200 UNIVERSITY CHORUS (1)**

**Uchima**

Daily 11:35–12:25

**253 MUSIC, ELEMENTARY CURRICULUM (3)**

**Greenberg**

Organization and direction of music in childhood experience. Materials and procedures. Prerequisites: 150 or equivalent and consent of instructor. Limited enrollment.  
Daily 11:35–12:50

- 450 MUSIC FOR ELEMENTARY TEACHERS (2)** Paul  
Continuation of 150 with emphasis upon sight singing, melodic and rhythmic dictation, and basic harmony. Prerequisite: 150 or equivalent. Not open to music majors.  
Daily 7:45-8:35
- 451 ADVANCED STRING METHODS (2)** Landsman  
Advanced playing, teaching technique, and materials of string instruments. Prerequisite: 152.  
Daily 9:10-10:00
- 456 INSTITUTE ON ASIAN MUSIC IN MUSIC EDUCATION (4)** B. Smith  
Study and performance of music and dances of Asia, including China, Japan, Korea, Okinawa, and the Philippines. Development of curriculum materials for teachers of grades 1-6. Prerequisite: 252 or 253 or teaching experience. Guest lecturers and instructors.  
June 27-July 22  
Daily 9:10-1:00; June 29, July 6, 11, 13, 20-8:00-9:15 p.m.
- 464 CONTEMPORARY MUSIC (2)** Vaught  
From Debussy to the present. Schoenberg, Bartok, Hindemith, Stravinsky, and contemporary American composers.  
Daily 11:35-12:25
- 580 THEORETICAL ASPECTS OF MUSICAL STYLE (3)** McKay  
A study of the theoretical concepts, and practices distinguishing the baroque, classical, and romantic periods. Application in writing and listening. Prerequisites: 182 and 466.  
Daily 1:10-2:25
- 650 PROBLEMS IN MUSIC EDUCATION (2)** Paul  
Study of choral instrumental and general music at elementary and secondary school levels. Research, reports, and conferences. Prerequisite: teaching experience.  
Daily 9:10-10:00

### Applied Music

- 121(11) CLASS VOICE INSTRUCTION (1)** Vine  
Class instruction in voice. Practice facilities in Music Building. Course fee \$20.00.  
Hrs. arr.
- 121(23) CLASS KOTO INSTRUCTION (1)** Mikami  
Class instruction in koto. Practice facilities in Music Building. Course fee \$20.00.  
Hrs. arr.
- 122 CLASS PIANO INSTRUCTION (1)**  
Class instruction in piano at beginning level. Practice facilities in Music Building. Course fee \$20.00.  
Daily 10:10-11:00

**131 INDIVIDUAL INSTRUCTION (1)**

For non-music majors, or music majors who intend it as a secondary medium of performance. May be repeated. Course fee \$55.00.

Hrs. arr.

- |                              |                                |
|------------------------------|--------------------------------|
| (11) Voice (Vine)            | (44) Bassoon (Uchima)          |
| (12) Hawaiian Chant          | (45) Saxophone (Uchima)        |
| (21) Piano (Kerr)            | (51) Trumpet                   |
| (23) Koto (Mikami)           | (52) French Horn               |
| (31) Violin (Landsman)       | (53) Trombone                  |
| (32) Viola (Vaught)          | (54) Tuba                      |
| (33) Cello (Trubitt)         | (55) Baritone Horn             |
| (34) Double Bass (Russell)   | (61) Percussion                |
| (35) Viola da Gamba (Vaught) | (71) Japanese Dance (Arai)     |
| (41) Flute                   | (72) Korean Dance (Huhm)       |
| (42) Oboe                    | (73) Filipino Dance (Valentin) |
| (43) Clarinet (Uchima)       |                                |

**135, 136, 137, 138 INDIVIDUAL INSTRUCTION (1)**

Voice, piano, or orchestral instruments at freshmen and sophomore levels. For prospective music majors. Course number assigned after auditions with Music department staff members. Course fee \$55.00.

Hrs. arr.

- (11); (21); (31); (32); (33); (34); (35); (41); (42); (43) (44); (51); (52); (53); (54); (55); (61)

**231, 435 INDIVIDUAL INSTRUCTION (1)**

Voice, piano, dance, orchestral or Asian instruments. Non-music majors at junior-senior level, or majors as a secondary medium. May be repeated for credit. Course fee \$55.00.

Hrs. arr.

- (11); (12); (21); (23); (31); (32); (33); (34); (35); (41); (42); (43); (44); (45); (51); (52); (53); (54); (55); (61); (71); (72); (73)

**235, 236, 237, 238, 635 INDIVIDUAL INSTRUCTION (1)**

Voice, piano or orchestral instruments at junior, senior, and graduate levels. For music majors. Course number assigned after auditions with Music department staff members. Course fee \$55.00.

Hrs. arr.

- (11); (21); (31); (32); (33); (34); (35); (41); (42); (43); (44); (45); (51); (52); (53); (54); (55); (61)

## Oceanography (Ocean)

**201 SCIENCE OF THE SEA (3)**

Introduction to the biologic, geologic, chemical, and physical aspects of oceanography. Based on classroom lectures and use of oceanographic equipment and techniques at sea aboard ship and in the near-shore zone.

MTThF 8:45-10:00; Sat. 8:00-5:00 Field expeditions

## Philosophy (Phil)

**100 INTRODUCTION TO PHILOSOPHY (3)**

McCarthy

Problems, methods, and fields of philosophy.

Daily 7:20-8:35

- 110 INTRODUCTION TO ETHICS (3)** **Moore**  
Major philosophies and typical theories of the nature of the good life.  
Daily 8:45-10:00
- 150 HISTORY OF PHILOSOPHY (3)**  
Western philosophy from the era of great Greek thinkers to the Renaissance. Prerequisite: sophomore standing.  
Daily 10:10-11:25
- 200 INTRODUCTION TO LOGIC (3)** **Walther**  
Principles of modern deductive logic.  
Daily 11:35-12:50
- 400 CONTEMPORARY PHILOSOPHY (3)** **Nagley**  
Survey of recent developments in Western philosophy. Prerequisite: one of the following, 100, 150, 155.  
Daily 7:20-8:35
- 411 PRAGMATISM (3)** **Garlan**  
The major men, movements, and methods of American Pragmatism.  
Daily 11:35-12:50
- 420 PROBLEMS OF PHILOSOPHY (3)** **Garlan**  
Persistent specific problems of philosophy, primarily those concerning nature, man, God.  
Daily 8:45-10:00
- 450 INDIAN PHILOSOPHY (3)** **Saksena**  
Philosophical systems and movements: the Vedas, Upanishads, Six Systems of Hinduism, Charvaka, Jainism, Buddhism.  
Daily 10:10-11:25
- 460 BUDDHIST PHILOSOPHY (3)** **Inada**  
Survey of the basic schools and tenets of Buddhist philosophy.  
Daily 11:35-12:50
- 470 CHINESE PHILOSOPHY (3)** **Chang**  
Historical survey of the important philosophical schools and tendencies in China, ancient and modern.  
Daily 1:10-2:25
- 473 TAOISM (3)** **Chang**  
Study and analysis of the philosophical ideas of Laotze, Chuangtze, and later Neo-taoists.  
Daily 10:10-11:25
- 510 PHILOSOPHY IN LITERATURE (3)** **McCarthy**  
Literary expression of philosophical ideas. Consideration of such writers as Beckett, Camus, Hemingway, Kafka, Rilke, Sartre, T. S. Eliot.  
Daily 10:10-11:25
- 620 SEMINAR IN CONTEMPORARY PHILOSOPHY (3)** **Nagley**  
Kierkegaard.  
Daily 10:10-11:25

## Photography (Photo)

### 100 PRINCIPLES OF PHOTOGRAPHY (2)

Haar

Designed primarily for those with very little photography experience. History and science of photography. The camera, its construction and use; image formations; 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 required to have their own cameras.  
MWF 1:00-2:15

### 110 INTRODUCTION TO MOTION PICTURE PRODUCTION (2)

Sloan

Lecture and demonstration of the many aspects of motion picture production, from original idea to finished film; examination of similarities and differences among the varying film styles; mechanical, physiological, and psychological factors involved in how films communicate an idea to the audience; structural elements of the film; preplanning stage of film making; technical, creative, and accidental factors involved in film production.

TTh 1:00-3:00

### 200 EXPERIMENTAL PHOTOGRAPHY (2)

Haar

Photography for advanced students. The camera as a tool of expression, photoaestheticism, perception, selection, composition; objective and subjective factors in forming the image; experimental photography with lines, forms, tones, volumes, textures, and colors; experiments with light, without camera, photogram, specializations; photo-journalism; illustration; advertising, industrial, scientific, touristic photography; portraiture. Darkroom laboratory.

TTh 1:00-3:00

### 210 PRACTICUM IN FILM PRODUCTION (3)

Sloan

Practical experience in film making; planning and executing a short film individually or as a group; film will be based on student's own area of established knowledge; preplanning and evaluation of films; screenings and critiques. Prerequisite: previous experience with motion picture camera or still photography, including darkroom work, and competence in one subject matter area.

MWF 2:25-4:30

## Physics (Phys)

### 120 INTRODUCTION TO PHYSICS (2)

Teller

Designed to give the beginner an appreciation of physics. Simplest possible description of the whole field presented: including its most exciting portions, the theory of relativity and quantum mechanics. In the more conventional fields of mechanics and electricity, particular emphasis placed on the main ideas and their development.

Daily 9:10-10:00

### 160 COLLEGE PHYSICS (4)

Nose

Fundamental principles, theories, experimental methods. Prerequisites: Math 102 and credit or registration in Math 103.

Daily 10:10-11:25

Laboratory, TTh 1:10-4:00

### 170 GENERAL PHYSICS (3)

Miyake

Mechanics of particles, rigid bodies, fluids; properties of matter; wave motion; sound. Prerequisite: credit or registration in Math 136.

Daily 7:20-8:35

- 171 GENERAL PHYSICS LABORATORY (1)** Richter  
Experiments in statics, dynamics, properties of matter, periodic motion, sound. Prerequisite: credit or registration in 170.  
MW 1:10-4:00
- 220 INTRODUCTION TO NUCLEAR PHYSICS (2)** Teller  
Properties and structure of the atomic nucleus described. The fission and fusion processes considered together with their practical application in both controlled and explosive nuclear energy release. Details of peaceful applications of nuclear energy given. In addition, the nuclear energy sources of the stars explained. Prerequisite: college physics or equivalent.  
Daily 10:35-11:25
- 699 DIRECTED RESEARCH (arr.)** Staff  
Prerequisite: consent of instructor.  
Hrs. arr.
- 800 THESIS RESEARCH (arr.)** Staff  
Prerequisite: consent of instructor.

### Political Science (Pol Sc)

- 110 INTRODUCTION TO POLITICAL SCIENCE (3)** Kariel  
Role of government in modern society. Types and practices of government; processes of political change; citizen participation. Not open to juniors and seniors.  
Daily 8:45-10:00
- 300 ELEMENTS OF POLITICAL THEORY (3)** Matson  
Analysis of some of the major concepts of political theory; their statement by the major political philosophers.  
Daily 1:10-2:25
- 320 AMERICAN GOVERNMENT (3)** Mars  
Development, organization, and functioning of national, state, and local government.  
Daily 8:45-10:00
- 324 CIVIL RIGHTS (3)** Becker  
Study of the principal court decisions on freedom of speech, press, assembly, conscience, and other basic civil liberties.  
Daily 1:10-2:25
- 341 COMPARATIVE POLITICS: INSTITUTIONAL DEVELOPMENT (3)**  
Classification of major structural types; levels, range, and "universe" of decision-making patterns in executive-legislative relations.  
Daily 8:45-10:00
- 350 PARTICIPATION POLITICS IN SECONDARY SCHOOL INSTRUCTION (3)**  
(Same as Ed SE 350)  
Introduction, balanced presentation, and analysis of controversial public affairs topics and issues in the classroom. Roles of politicians, parties, pressure groups, media, public opinion polls, and campaigns in the development of public policy in a democracy. Prerequisites: teaching and consent of instructor.  
Daily 10:10-11:25

**351 PARTICIPATION POLITICS: AMPLIFICATION AND DEMONSTRATION OF CLASSROOM APPLICATIONS (2)**

(Same as Ed SE 351)

Discussion of guest presentations in Ed SE (Pol Sci) 350. Review of tapes, slides, movies, and biographic materials in the field of public affairs, in particular relating to Hawaiian politics. (Recommended as an adjunct course to be taken concurrently with Ed SE (Pol Sci) 350. May not be taken separately without special permission of the instructors.)

Daily 11:35-12:25

**360 INTRODUCTION TO INTERNATIONAL RELATIONS (3)**

Levi

Survey of the major historical, political, and social forces which influence the relations among nations.

Daily 7:20-8:35

**384 THE LEGISLATIVE PROCESS (3)**

Miwa

Lawmaking process in the United States. Role of the representative assemblies, the executive branch, interest groups, and the public.

Daily 11:35-12:50

**404 MODERN POLITICAL IDEOLOGIES (3)**

Kariel

Survey of Political ideologies such as communism, fascism, socialism.

Daily 7:20-8:35

**420 STATE GOVERNMENT AND ADMINISTRATION (3)**

Vines

Constitutions; historical evolution; structure with reference to judicial, legislative, and executive branches; limitations on authority.

Daily 10:10-11:25

**423 CONSTITUTIONAL LAW (3)**

Becker

Examination of principal cases concerned with state relations, due process of law, interstate commerce, and related subjects.

Daily 11:35-12:50

**462 INTERNATIONAL RELATIONS OF EAST ASIA (3)**

Levi

Rise and fall of eastern Asia and the re-emergence of this area as a pivotal factor in world politics.

Daily 10:10-11:25

**500 PUBLIC ADMINISTRATION (3)**

Mars

Relationship of administration to policy-forming agencies and to the courts; structure of administration; devices for integration; related materials.

Daily 11:35-12:50

**600 CONTEMPORARY POLITICAL SCIENCE (3)**

Cahill

Analysis of political science as a tradition of philosophical, theoretical, and empirical inquiry. (Required of all first-year graduate students.)

Daily 10:10-11:25

**620 THE POLITICAL ORDER: CONSTITUTIONALISM IN AMERICA (3)**

Matson

Study of the practical conditions for the maintenance of a democratic constitutional order.

Daily 11:35-12:50



**742 SEMINAR: COMPARATIVE POLITICS (3)**

Hrs. arr. First Meeting 10:10

**780 SEMINAR: POLITICS (3)**

Vines

Hrs. arr. First Meeting 11:35

**Psychology (Psy)***Psy 102 or 104 is prerequisite to all other psychology courses.***102 GENERAL PSYCHOLOGY (4)**

Blanchard

Principles of human behavior. Individual differences, personality, motivation, emotion, sensing, perceiving, learning, and thinking. Not open to those who have had 104.

Daily 7:20-8:35

Laboratory, MW 10:10-12:00, or 1:30-3:20

TTh 10:10-12:00

**104 INTRODUCTION TO PSYCHOLOGY (3)**

Wertheimer

Similar to 102 but without laboratory. Not open to those who have had 102, or to Arts and Sciences students.

Daily 8:45-10:00

**250 DEVELOPMENTAL PSYCHOLOGY (3)**

Physical, emotional, intellectual, and social development from infancy through adulthood.

Daily 10:10-11:25

**280 PSYCHOLOGY OF ADJUSTMENT (3)**

Understanding improving personal adjustment. Adjustment in family, school, vocation, sex, marriage, and later maturity. Not open to psychology majors.

Daily 10:10-11:25

**382 SOCIAL PSYCHOLOGY (3)**

Bavelas

Psychology of human relations; psychological factors that determine the behavior of an individual in his social relationships.

Daily 11:35-12:50

**480 ABNORMAL PSYCHOLOGY (3)**

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

Daily 8:45-10:00

**600(1) SEMINAR: GENERAL (2)**

Wertheimer

Research and experimentation in general psychology.

Daily 10:35-11:25.

**600(4) SEMINAR: EXPERIMENTAL (2)**

Oakes

Problems in experimental psychology.

Daily 12:00-12:50

**600(5) SEMINAR: PHYSIOLOGICAL (2)**

R. D. Young

Problems in physiological psychology.

Hrs. arr.

**600(7) SEMINAR: SOCIAL PSYCHOLOGY (2)****Bavelas**

Research methods in social psychology.  
Daily 9:10-10:00

**750 RESEARCH IN DEVELOPMENTAL PSYCHOLOGY (3)****R. D. Young**

Supervised reading, discussion, and research projects in areas of special interest. Prerequisite: consent of instructor.  
Hrs. arr.

**Public Health (PH)****683 PRINCIPLES OF COMPREHENSIVE MATERNITY CARE (1)****McCallin**

Emphasis on education for parenthood, maternal mortality and morbidity, prenatal care including nutrition in pregnancy, physical and biologic hazards, the birth process, postnatal care, sterility, family planning, social factors in maternity, and organization of maternity services in public health.  
TW 4:00-5:30

**692 SEMINAR IN SCHOOL HEALTH SERVICES (1)****Doster**

School health services, health education in schools, and environmental hygiene in schools.  
June 20-July 1  
Hrs. arr.

**699 DIRECTED RESEARCH (arr.)****Staff**

Hrs. arr.

**710 ADVANCED PUBLIC HEALTH PRACTICE (3)**

Observation, study, and additional practical work in student's area of specialty: biostatistics, environmental health, epidemiology, population dynamics, maternal and child health, public health administration, public health nutrition.  
Hrs. arr.

**800 THESIS RESEARCH (arr.)****Staff**

Hrs. arr.

**Religion (Rel)****151 RELIGION AND THE MEANING OF EXISTENCE (3)****Seifert**

Introduction to the basic ideas and issues of contemporary religious thought as they are related to the question: What is the meaning of existence?  
Daily 10:10-11:25

**201 UNDERSTANDING THE NEW TESTAMENT (2)****Crawford**

Origin and development of the early Christian message as set forth in the New Testament, with special attention to Jesus and Paul.  
Daily 11:35-12:25

**250 THE LIVING RELIGIONS OF HAWAII (2)****Aoki**

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 7:45-8:35

- 351 EXISTENTIAL INTERPRETATION OF BIBLICAL FAITH (2)** **Seifert**  
 Interpretation of Biblical faith on the basis of critical theological thought and existential analysis with reference to the visual arts and literature.  
 Daily 10:10-11:00
- 385 INDIAN RELIGIOUS THOUGHT (2)** **Singh**  
 Religious life in early India; Hinduism; Jainism; Buddhism; Islam; Sikhism.  
 Daily 11:35-12:25
- 387 RELIGIOUS THOUGHT IN JAPAN (2)** **Hiyane**  
 Historical review of major religious beliefs and movements in Japan from earliest times to the present, including Shinto, Buddhism, and Christianity.  
 Daily 9:10-10:00

### Russian (Rus)

- 403 CONTEMPORARY RUSSIAN LITERATURE IN TRANSLATION (3)** **Roszbacher**  
 Soviet literature in relation to present day Russia. Reading and discussion of short stories, plays, and poetry by Pasternak, Evtushenko, Solzhenitsyn, and others.  
 Daily 11:35-1:25

### Sanskrit (Sansk)

- 101 ELEMENTARY SANSKRIT (3)** **Artola**  
 Elements of grammar and reading. Equivalent to the first semester's work in the academic year.  
 Daily 8:10-10:00
- 151 INTERMEDIATE SANSKRIT (3)** **Artola**  
 Continuation of 102. Reading of classical texts, with a review of grammar.  
 Daily 10:10-12:00

### Sociology (Soc)

- 151 INTRODUCTION TO THE STUDY OF SOCIETY (3)** **Miyamoto**  
 (2 sections)  
 Basic social relationships, norms, social structures, and processes affecting social change. Not open to juniors or seniors.  
 Daily (1) 10:10-11:25  
 (2) 1:10- 2:25 (Miyamoto)
- 201 PRINCIPLES OF SOCIOLOGY (3)** **Van Arsdol**  
 Principles underlying the organization of social groups, communities, institutions, and ecological structures; basic processes of socialization, collective behavior, and social change. Equivalent to 151, and open to juniors, seniors, and graduates only.  
 Daily 8:45-10:00
- 232 COMMUNITY FORCES IN HAWAII (3)** **Hormann**  
 Basic factors and forces in contemporary society as exemplified in Hawaii.  
 Daily 11:35-12:50

- 306 CRIMINOLOGY (3)** **Driver**  
Crimes and criminals; causative theories of criminality; institutional problems of apprehension, prosecution, incarceration, correction and rehabilitation.  
Daily 11:35-12:50
- 324 PERSONALITY AND CULTURE (2)** **Miyamoto**  
Origin and development of personality as the subjective aspect of culture; function of communication; human nature and the mores, personal life organization.  
Daily 10:10-11:00
- 410 POPULATION AND SOCIETY (2)** **Van Arsdol**  
Society analyzed in terms of quantitative and qualitative aspects of population. Sociological aspects of birth and death rates, natural increase, mobility.  
Daily 11:35-12:25
- 435 THE AGRARIAN COMMUNITY (2)** **Hormann**  
Community types as affected by the transition from subsistence to commercial and industrial agriculture.  
Daily 1:35-2:25
- 436 THE URBAN COMMUNITY (3)** **Greer**  
Sociological principles as applied to the modern city. Structure, growth, social and personal life organization.  
Daily 11:35-12:50
- 444 PEOPLE AND INSTITUTIONS OF CHINA (3)** **C. K. Cheng**  
Analysis of social philosophies and their influence on basic institutions and traits of the people. Impact of Western civilization and communism. Social change under the People's Democratic Dictatorship.  
Daily 7:20-8:35
- 450 RACE AND CULTURE CONTACTS IN HAWAII (3)** **Lind**  
Dominant conceptions of race and race relations; analysis of factors affecting them. Problems in a commercial and plantation frontier.  
Daily 8:45-10:00
- 451 RACE RELATIONS IN THE PACIFIC (2)** **Lind**  
Survey of typical situations of race and culture contacts in the Pacific area.  
Daily 11:35-12:25
- 472 THE FAMILY (3)** **C. K. Cheng**  
Culturally distinctive family types as background for analysis and interpretation of the American family.  
Daily 10:10-11:25
- 504 JUVENILE DELINQUENCY (2)** **Driver**  
Nature and extent of juvenile delinquency; theories and research; sociology of correction.  
Daily 10:10-11:00
- 590 SOCIOLOGICAL THEORY (2)** **Greer**  
History of sociology as reflected in writing ranging from early Greek thought to modern authors such as Durkheim, Pareto, Simmel, Parsons, Merton.  
Daily 9:10-10:00

**602(2) GRADUATE SEMINAR: SOCIAL ORGANIZATION OF THE FAMILY (2)**

Sex roles and problems in role behavior, mate selection, marital adjustment, parenthood, and marriage problems.

Daily 7:45-8:35

## Spanish (Span)

**101 ELEMENTARY SPANISH (3)**

(3 sections)

Intensive beginning course primarily emphasizing oral practice with additional oral drill in language laboratory; the equivalent of a full semester's work in the academic year. One period of lab drill daily is required.

Daily (1) 8:10-10:00                      Laboratory, daily 7:10-7:55, or 8:10-8:55, or  
 (2) 8:10-10:00    10:10-10:55, or 11:10-11:55  
 (3) 9:10-11:00

**151 INTERMEDIATE SPANISH (3)**

(3 sections)

Continuation of oral practice with increasing emphasis on reading and written composition with additional oral drill in language laboratory; the equivalent of a full semester's work in the academic year. One period of lab drill daily is required.

Daily (1) 9:10-11:00                      Laboratory, daily 8:10-8:55, or 9:10-9:55, or  
 (2) 10:10-12:00    11:10-11:55, or 12:10-12:55  
 (3) 10:10-12:00

**203 ADVANCED GRAMMAR AND COMPOSITION (3)**

More detailed study of problem areas of Spanish grammar. Cultivation of accuracy and elegance in written expression; the equivalent of a full semester's work in the academic year.

Daily 11:35-1:25

## Speech (Sp)

**110 INTRODUCTION TO GENERAL AMERICAN PHONOLOGY (2)**

M. Gordon

Introduction to the phonology of general American speech. Articulatory, rhythmic, and melodic differences between general American and Hawaii's sub-standard dialect. Conferences required.

Daily (1) 10:10-11:00  
 (2) 11:35-12:25

**140 FUNDAMENTALS OF ORAL COMMUNICATION (2)**

Hall, Hervey, Kunimoto

(7 sections)

Communication for social interaction. Speech production: organization of ideas; training for mastery of speech standards. Conferences required.

Daily (1) 9:10-10:00 (Hall)  
 (2) 9:10-10:00 (Hervey)  
 (3) 10:10-11:00 (Kunimoto)  
 (4) 11:35-12:25 (Kunimoto)  
 (5) 11:35-12:25 (Hall)  
 (6) 1:35- 2:25 (Hervey)  
 (7) 1:35- 2:25 (Kunimoto)

- 150 PUBLIC SPEAKING (3)** **Klopf, V. Larson, Watson**  
 (3 sections)  
 Basic principles of speech composition and delivery; preparation and delivery of speeches with attention to principles studied; special attention to individual problems.  
 Daily (1) 8:45–10:00 (Larson)  
 (2) 10:10–11:25 (Watson)  
 (3) 11:35–12:50 (Klopf)
- 210 PHONETICS (2) (for Keio Program only)** **E. Carr**  
 (2 sections)  
 Phonology of American English; standards of pronunciation; dialects.  
 Daily (1) 1:35–2:25 (Carr)  
 (2) 2:35–3:25 (Carr)
- 220 INTRODUCTION TO SPEECH CORRECTION (3)** **Ansberry**  
 Survey of the field of speech correction; study of defective articulation; delayed speech, voice problems, cleft palate, cerebral palsy, stuttering, and language disorders.  
 Daily 8:45–10:00
- 222 INTRODUCTION TO AUDIOLOGY (3)** **Pang-Ching**  
 Basic principles of hearing rehabilitation; hearing problems and their treatment.  
 Daily 11:35–12:50
- 230 READING ALOUD (3)** **Breneman**  
 Study of the relationships between silent and oral reading with intensive practice in getting and giving the meaning from the printed page.  
 Daily 11:35–12:50
- 335 STORYTELLING (2)** **Breneman**  
 Oral story as a device for entertainment and education. Oral tradition; analysis of story types; techniques of preparation and presentation; performance.  
 Daily 9:10–10:00
- 365 SPEECH FOR THE CLASSROOM TEACHER (3)** **S. Burgess,  
V. Larson, Watson**  
 (5 sections)  
 Pedagogy for the classroom teacher. Integration of speech improvement in the curriculum; speech problems of Hawaii.  
 Daily (1) 7:20– 8:35 (Watson) (Elementary)  
 (2) 8:45–10:00 (Burgess) (Secondary)  
 (3) 10:10–11:25 (Burgess) (Secondary)  
 (4) 11:35–12:50 (Larson) (Elementary)  
 (5) 1:10– 2:25 ( ) (Elementary)
- 440 SEMANTICS (3)** **Hoshor**  
 Understanding language, verbal meaning and implication; roles of perception and assumption (inference and judgment) in human relationships.  
 Daily 1:10–2:25

**465 ORGANIZATION AND ADMINISTRATION OF HIGH SCHOOL SPEECH PROGRAMS (SPEECH INSTITUTE) (4)**

**Staff**

(Same as Ed SE 465)

Study of philosophy, organization, and administration of speech activities and festivals, including debate, discussion, extemporaneous speaking, and the interpretative arts. Practical training and coaching, judging, and administering speech programs. Recommended for high school speech and English teachers and for juniors and seniors who wish to teach speech at secondary level.

Daily 7:45- 8:45

11:30-12:35

**480 GROUP LEADERSHIP AND DISCUSSION (3)**

**Klopf**

Principles and techniques of effective group leadership and human relations; semantic and psychological barriers to communication. Analysis and discussion of social problems. Daily 1:10-2:25

**598 SPECIAL PROBLEMS (arr.)**

**Staff**

(1) General speech education; (2) speech correction; (3) phonetics; (4) interpretation; (5) forensics, public address; (6) radio; (7) pedagogy; (8) audiology; (9) speech and hearing science. Prerequisites: permission of chairman and of instructor.

**624 ADVANCED PRACTICUM IN AUDIOLOGY (3)**

**Pang-Ching**

Clinical practice in administering special tests; interpretation of audiograms; counseling of individuals with impaired hearing; use of varied rehabilitation techniques. Prerequisite: 325.

Hrs. arr.

Left, students tour the campus; right, a painting class



**625 SEMINAR IN SPEECH PATHOLOGY (3)**

Ansberry

Intensive study of special problems in diagnosis and therapeutic procedures in the field of speech pathology. May be repeated.

Hrs. arr.

**Tagalog (Tag)****101 ELEMENTARY TAGALOG (3)**

Enriquez

Conversation and elements of grammar. Equivalent to first semester's work in the academic year. One period of laboratory drill daily required.

Daily 8:10-10:00      Laboratory, daily by arrangement

**151 INTERMEDIATE TAGALOG (3)**

Enriquez

Continuation of 102. Reading and conversation. One period of laboratory drill daily required.

Daily 10:10-12:00      Laboratory, daily by arrangement

**Technical Nursing (TN)****112 NURSING (PSYCHIATRIC) (3)**

Principles of nursing care for the prevention and treatment of mental illness. Includes guided clinical experience. Prerequisite: 109 or equivalent.

TF 10:10-12:00      Laboratory, MWTh 9:30-3:00 (Hospital)

**123 NURSING (ADVANCED MEDICAL-SURGICAL) (4)**

Student integrates and applies acquired knowledges and skills in planning, implementing, and evaluating care for groups of individuals. Prerequisite: 120.

MTh 9:35-12:00      Laboratory, TW 7:00-3:30 (Hospital)

**Thai (Thai)****111 INTENSIVE ELEMENTARY THAI (6)**

Chitakasem

Intensive course equivalent to elementary Thai in the academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill daily required.

Daily 10:10-12:30; 2:40-5:00      Laboratory, daily by arrangement

**151 INTERMEDIATE THAI (3)**

Chitakasem

Reading and conversation. One period of laboratory drill daily required.

Daily 8:10-10:00      Laboratory, daily by arrangement

**Zoology (Zool)****101 GENERAL ZOOLOGY (4)**

L. Davis

An introduction to zoological principles, including studies of the structure, development, relationships, and distribution of animals.

Daily 9:10-10:00      Laboratory MTWTh 10:10-12:00

**205 INVERTEBRATE ZOOLOGY (4)**

T. C. Cheng

Classification, general ecology, functional morphology, and life history of invertebrates. Laboratory includes field work.

Daily 11:35-12:25      Laboratory MTWTh 1:10-3:00

**699 DIRECTED RESEARCH (5)**

Kamemoto

Primarily for Link Foundation scholars.

Hrs. arr.



# Second Term      AUGUST 1-SEPTEMBER 9

## Anthropology (Anth)

- 441 ETHNOGRAPHY OF SOUTHEAST ASIA (2)**      Ruey  
Ethnic populations of Southeast Asian countries. Distribution, settlement patterns, social and economic organization, intra-ethnic and inter-ethnic relationships.  
Daily 7:45-8:35
- 445 ABORIGINAL POPULATIONS OF INNER ASIA AND TAIWAN (2)**      Ruey  
History, distribution, settlement patterns, local customs and social, economic, and religious institutions of selected aboriginal populations in Russian Central Asia, Outer and Inner Mongolia, Sinkiang, Tibet, and Taiwan.  
Daily 10:10-11:00
- 699 DIRECTED RESEARCH (arr.)**      Ruey  
Prerequisite: consent of instructor.  
Hrs. arr.

## Art

### Architecture (Arch)

- 139 ARCHITECTURAL DESIGN (3)**      H. Burgess  
Design of simple buildings in relation to environment; discussion, field trips, sketch problems. Prerequisite: 138.  
Daily 8:10-12:00
- 239 ARCHITECTURAL DESIGN (3)**      H. Burgess  
Building programs developed by means of planning, function, group and site; methods of research and analysis; introduction to the elements of landscape and architecture.  
Prerequisite: 238.  
Daily 8:10-12:00

### Art (Art)

- 141 CERAMICS (2)**      Fletcher  
Methods and principles of creating pottery by hand.  
Daily 8:10-10:00  
10:10-12:00
- 143 CERAMICS (2)**      Horan  
Introduction to wheel throwing and emphasis on the designing of utilitarian wares.  
Prerequisite: 141 or equivalent.  
Daily 8:10-10:00  
10:10-12:00
- 152 SCULPTURE (2)**      Sato  
Study of the qualities of form and structure in sculpture; methods of construction using a variety of materials and techniques. Prerequisite: 151 or equivalent.  
Daily 8:10-10:00

**Business Administration****Accounting (Acc)****101 ELEMENTARY ACCOUNTING (3)****Mueller**

Theory and practice of income determination and asset valuation. Preparation and analysis of statements; uses for decision making. Prerequisite: sophomore standing.

MWF 7:45-9:30                      Laboratory, TTh 7:45-9:30

**201 INTERMEDIATE ACCOUNTING (3)****Mueller**

Critical examination of generally accepted accounting principles as applied to preparation and use of financial statements. Prerequisite: 101.

Daily 10:10-11:25

**Business Analysis and Statistics (BAS)****301 BUSINESS STATISTICS (3)****Leong**

Principles of statistical inference including frequency distribution, averages, variation, testing hypotheses, estimation of population mean, index numbers, time series, correlation, probability, sampling chi square and F distribution, analysis of variance. Utilization of statistical data as an aid to managerial decisions.

Daily 7:20-8:35

**Business Economics (BEC)****341 MANAGERIAL ECONOMICS II (3)****Seo**

Working concepts and case studies relating to demand analysis and production analysis; problems of demand creation, multifactors, and multiproducts, technological change; cases involving working capital, financing and capital budgeting; input-output analysis and programming techniques. Prerequisite: 340.

Daily 8:45-10:00

**Management (Mgt)****350 BUSINESS POLICY (3)****Stellmacher**

Case studies in assessing alternative risks in solving policy problems; an interdisciplinary approach applying and integrating many of the subjects in the College of Business Administration. Prerequisite: senior standing.

Daily 7:20-8:35

**Marketing (Mkt)****315 MARKETING MANAGEMENT (3)****Stellmacher**

Policy and operational decisions of marketing executives; product decisions, distribution, pricing, marketing plans, sales programs, and organization and control of sales forces. Prerequisite: 300.

Daily 10:10-11:25

**Chemistry (Chem)****399 DIRECTED RESEARCH (arr.)****Staff**

Prerequisite: consent of department chairman.

Hrs. arr.

**699 DIRECTED RESEARCH (arr.)****Staff**

Prerequisite: consent of department chairman.  
Hrs. arr.

**Chinese (Chin)****102 ELEMENTARY CHINESE (3)****Thompson, et al.**

Continuation of 101; the equivalent of the second semester's work in the academic year. Students completing this course may take Intermediate Chinese. One period of laboratory drill daily required.

Daily (1) 7:40-10:00      Laboratory, daily by arrangement  
(2) 7:40-10:00

**112 INTENSIVE INTERMEDIATE CHINESE (6)****Spencer, et al.**

Intensive course equivalent to Intermediate Chinese in the academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work a week for 6 weeks, two periods of laboratory drill daily required.

Daily (1) 10:10-12:30; 2:40-5:00      Laboratory, 9:10-9:30; 1:35-1:55  
(2) 10:10-12:30; 2:40-5:00      9:10-9:30; 1:35-1:55  
(3) 10:10-12:30; 2:40-5:00      9:35-9:55; 2:10-2:30

**162 INTERMEDIATE CHINESE (4)****Wang**

Continuation of 161; the equivalent of the second semester's work in the academic year. One period of laboratory drill daily required.

Daily 7:40-10:00      Laboratory, daily by arrangement

**210 THIRD-LEVEL CHINESE—MODERN (3)****Jen**

Continuation of 209; the equivalent of the second semester's work in the academic year.  
Daily 8:10-10:00

**252 CHINESE FOR READING KNOWLEDGE (3)****McLeod**

Continuation of 151; the equivalent of the second semester's work in the academic year.  
Daily 12:40-2:30

**402 CHINESE LITERATURE IN ENGLISH (3)****Lau**

Continuation of 401; the equivalent of the second semester's work in the academic year. Prerequisite: two semesters of literature in English department.  
Daily 1:10-2:25

**410 FOURTH-LEVEL CHINESE—MODERN (3)****R. Cheng**

Continuation of 409; the equivalent of the second semester's work in the academic year.  
Daily 12:35-2:25

**614 CHINESE POETRY (2)****Schafer**

Continuation of 613; the equivalent of the second semester's work in the academic year.  
Daily 9:10-10:00

**631 CHINESE PHONOLOGY (3)****M. Hashimoto**

Phonological changes from archaic Chinese through ancient Chinese to modern Chinese represented by Mandarin. Lectures in English. Prerequisite: 419.  
Daily 10:10-11:25

**702 RESEARCH SEMINAR IN CHINESE (2)**

Schafer

Specialization in (1) language, (2) literature, (3) teaching methods. Consent of instructor.

Hrs. arr.

**Economics (Econ)****150 PRINCIPLES OF ECONOMICS (3)**

Analysis of functioning of economic systems with emphasis on forces determining levels and changes of national income and employment. Describes basic economic institutions, e.g., markets, money, banks, labor organizations, corporations.

Daily 7:20-8:35

**151 PRINCIPLES OF ECONOMICS (3)**

Analysis of how commodity and factor prices are determined. Discusses policies for efficient allocation of scarce resources. Required of all economics majors.

Daily 8:45-10:00

**290 LABOR ECONOMICS (3)**

Economic analysis applied to the labor market; wages, hours, conditions of work, unemployment, etc.

Daily 11:35-12:50

**302 INTERMEDIATE ECONOMIC THEORY: NATIONAL INCOME (3)**

Concepts; determination of income, employment, price levels; effects of fiscal, monetary, other policies.

Daily 10:10-11:25

**416 ECONOMIC DEVELOPMENT OF EUROPE (3)**

Study of economic growth and changes in economic institutions of Europe since the Industrial Revolution. Prerequisite: 150; 151 highly desirable.

Daily 8:45-10:00

**417 ECONOMIC DEVELOPMENT OF U.S. (3)**

Emphasizes period since World War I, with growing importance to U.S. economy of international trade and finance. Consideration of changing patterns of investment, consumption, and employment. Prerequisite: 150; 151 highly desirable.

Daily 11:35-12:50

**450 PUBLIC FINANCE (3)**

Considers governmental expenditures, revenues, and debt, both descriptively and theoretically. Fiscal policy, budgeting, and tax administration considered.

Daily 10:10-11:25

**482 INTERNATIONAL ECONOMIC POLICY (3)**

Discussion of problem areas of contemporary interest, such as causes and effects of recent U.S. gold losses, drive for trade liberation, impact of Common Market, etc. Prerequisite: 460.

Daily 7:20-8:35

**470 GOVERNMENT AND BUSINESS (3)**

Consideration of economic aspects and consequences of regulation by government of business activity, with emphasis on regulatory boards. Economic analysis is related to policy issues.

Daily 8:45-10:00

**609 ASIAN ECONOMIC HISTORY (3)**

Discussion of economic history of China, Japan, India, and Southeast Asia, with emphasis upon the period after World War II. Consideration of changes in population, labor force, technology, investment, consumption, government. Prerequisite: 410 or consent of instructor.

Daily 11:35-12:50

## Education

### Educational Psychology (Ed EP)

**309 TESTS AND MEASUREMENTS (3)**

Haehnlen

Theory and techniques of evaluation in education. Prerequisite: EE 221, EE 222, or SE 230.

Daily 8:45-10:00

### Elementary (Ed EE)

**225 CHILDREN'S LITERATURE (2)**

Jenkins

Acquaintance with wide range of children's books; criteria for judging literature on the basis of needs and interests. Prerequisite: 220.

Daily 10:10-11:25 (August 1-26)

**325 TRENDS IN THE TEACHING OF ELEMENTARY MATHEMATICS (2)**

May

Mathematical content necessary for effective use of newer approaches; nature of number systems; introduction to the theory of numbers; basic concepts of algebra; foundations in geometry. Prerequisite: 220. Open for credit to students who took elementary math methods prior to September 1962.

Daily 8:45-10:00 (August 1-26)

**620 TEACHING READING IN THE ELEMENTARY SCHOOL (2)**

Tanyzer

Theory and practice in the teaching of reading from the initial readiness stage through the intermediate (upper elementary) grades. Current practices in methodology, organizational patterns, and evaluation examined critically. Those registering for this course may not register for any other courses this term.

Daily 8:45-12:15 (August 16-27)

## Health and Physical Education (HPE)

*At the time of registration a student is required to show evidence of a medical clearance issued by his own physician for the following courses: HPE 101, 102, 106, and 211 through 227. In cases where the physician's statement indicates moderate or restricted physical education, a subsequent clearance from the University Student Health Service will be required.*

**101 AQUATIC ACTIVITIES (1)**

Seichi

Skill, knowledge, attitudes, and appreciation.

Daily 11:35-12:25 (Beginning Swimming)

**102 INDIVIDUAL AND DUAL ACTIVITIES (1)**

Asato, Beamer

(3 sections)

Skill, knowledge, attitudes, and appreciation.

Daily (1) 9:10-10:00 (Beginning Tennis) (Asato)

(2) 10:10-11:00 (Beginning Tennis) (Asato)

(3) 10:10-11:00 (Badminton) (Beamer)

- 106 PRESCRIBED EXERCISES (1)** **Murchison**  
Exercises adapted to individual needs, capacities, and interests.  
Daily 10:10–11:00
- 130 PERSONAL HYGIENE (1)** **Tominaga**  
Scientific health information as a basis for hygienic living. Personal health problems.  
Daily 10:10–11:00 (August 1–26)
- 221 PHYSICAL EDUCATION, ELEMENTARY (2)** **Curtis**  
Content and method for programs on the elementary school level. Adaptations to meet situations with like groups outside school.  
Daily 8:45–10:00
- 230 SCHOOL HEALTH PROBLEMS (2)** **Ryan**  
Responsibilities of the classroom teacher in recognizing and meeting the health needs of the school child; school and community official and voluntary agencies.  
Daily 8:45–10:00 (Secondary) (August 1–26)
- 234 SAFETY PROCEDURES AND FIRST AID (2)** **Seichi**  
Prevention and emergency treatment of injuries, emphasis upon school, playground, and athletic situations. Practical work in first aid. Red Cross certificate may be earned.  
Daily 10:10–11:00
- 280 ANATOMY IN PHYSICAL EDUCATION (3)** **Chui**  
Designed to develop an understanding of muscle action during activity. Primarily for leaders in physical education and recreation but open to others.  
Daily 8:45–10:00

## Engineering

### Civil (CE)

- 271 APPLIED MECHANICS II (3)** **Taoka**  
Dynamics of particles and rigid bodies, impulse-momentum, work-energy. Prerequisite: 170, Math 142.  
Daily 10:10–11:25

## English (Eng)

- 101 EXPOSITORY WRITING (First Semester) (3)** **Staff**  
(4 sections)  
Training in analysis of expository essays; introduction and practice of principle exposition procedures, including assertion, exemplification, definition, classification. For all students qualifying in University entrance examinations. (English 101 *in the summer session* is not recommended for students who have taken English 101 previously and received a grade of *F*.)  
Daily (1) 7:20–8:35  
(2) 8:45–10:00  
(3) 10:10–11:25  
(4) 11:35–12:50



**212 CONVERSATION AND COMPOSITION (3)**

Continuation of S 211; the equivalent of the second semester's work in the academic year. One period of lab drill daily required.

Daily 11:40-1:30                      Laboratory, daily by arrangement

**Geography (Geog)****578 GEOGRAPHY OF HAWAII (3)****Piianaia**

Regional, physical, and cultural geography. Detailed study of the people and resources. Daily 7:20-8:35

**German (Ger)****102 ELEMENTARY GERMAN (3)**

(2 sections)

Continuation of 101; the equivalent of the second semester's work in the academic year. Students completing this course with a passing grade may take 151 or 153, or both. One period of lab drill daily required.

Daily (1) 8:10-10:00                      Laboratory, daily 7:10-7:55, or 8:10-8:55, or  
(2) 9:10-11:00                                      10:10-10:55, or 11:10-11:55

**152 INTERMEDIATE GERMAN (3)**

Continuation of 151; the equivalent of the second semester's work in the academic year. Students passing this course will have fulfilled the college language requirement. One period of lab drill daily required.

Daily 10:10-12:00                      Laboratory, daily 9:10-9:55 or 12:10-12:55

**154 INTERMEDIATE: SCIENCE GERMAN (3)**

Continuation of 153; equivalent of the second semester's work in the academic year. Students passing this course will have fulfilled the college language requirement.

Daily 8:10-10:00

**Hawaiian (Haw)****102 ELEMENTARY HAWAIIAN (3)****Anthony**

Continuation of 101; the equivalent of the second semester's work in the academic year. One period of laboratory drill daily required.

Daily 8:10-10:00                      Laboratory, daily by arrangement

**152 INTERMEDIATE HAWAIIAN (3)****D. E. Johnson**

Continuation of 102; the equivalent of the second semester's work in the academic year. One period of laboratory drill daily required.

Daily 10:10-12:00                      Laboratory, daily by arrangement

**Hindi (Hindi)****102 ELEMENTARY HINDI (3)****Baumer**

Continuation of 101; the equivalent of the second semester's work in the academic year. One period of laboratory drill daily required.

Daily 8:10-10:00                      Laboratory, daily by arrangement



**152 INTERMEDIATE HINDI (3)****Baumer**

Continuation of 151; the equivalent of the second semester's work in the academic year. One period of laboratory drill daily required.

Daily 10:10-12:00                      Laboratory, daily by arrangement

**History (Hist)****151 WORLD CIVILIZATION (3)**

Survey of the more significant political, social, economic, and intellectual factors in the development of civilization 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 17th century.

Daily 8:45-10:00

**152 WORLD CIVILIZATION (3)****Ferrill**

Continuation of the history of world civilization from the 17th century to the present day.

Daily 8:45-10:00

**171 INTRODUCTION TO AMERICAN HISTORY (3)****Margulies**

General survey of the evolution of America from Columbus' voyages to the present, emphasizing political, intellectual, and social forces that have operated and that continue to guide the nation in the 20th century.

Daily 11:35-12:50

**342 MODERN HISTORY OF THE FAR EAST (3)****Lamley**

Survey of the political, social, and economic history of the Far East as a unit, from the mid-19th century.

Daily 7:20-8:35

**402 ROMAN CIVILIZATION (2)****Ferrill**

Study of the history, art, and culture of the Roman Empire.

Daily 11:35-12:25

**492 HISTORY OF RUSSIA FROM 1850 (3)****White**

Daily 10:10-11:25

**532 HISTORY OF CHINA (2)****Lamley**

Continuation of 531.

Daily 9:10-10:00

**542 HISTORY OF JAPAN (2)****Mammitzsch**

Continuation of 541.

Daily 10:10-11:00

**551 HISTORY OF SOUTH ASIA (2)****Khan**

General historical survey of India, Pakistan, Ceylon from the earliest times to 1000 A.D.

Daily 11:35-12:25

**Home Economics (HE)****500 FOOD AND PEOPLE (3)****Lowenberg**

Psychological, social, economic, biological, and aesthetic significance of food for families and society.

August 1-19

Daily 10:10-12:50

## Indonesian (Ind)

### 112 INTENSIVE INTERMEDIATE INDONESIAN (6)

Roosman

Intensive course equivalent to Intermediate Indonesian in the academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work a week for 6 weeks, two period of laboratory drill daily required.

Daily 10:10-12:30; 2:40-5:00      Laboratory, daily by arrangement

### 152 INTERMEDIATE INDONESIAN (3)

de Queljoe

Continuation of 151; the equivalent of the second semester's work in the academic year. One period of laboratory drill daily required.

Daily 8:10-10:00      Laboratory, daily by arrangement

## Japanese (Jap)

### 102 ELEMENTARY JAPANESE

M. G. Hashimoto, Staff

(4 sections)

Continuation of 101. Students completing this course may take Intermediate Japanese.

Daily (1) 7:40-10:00      Laboratory, daily by arrangement

(2) 7:40-10:00

(3) 7:40-10:00

(4) 10:10-12:00

### 106 ELEMENTARY JAPANESE—REVIEW

Ohara, staff

(4 sections)

Continuation of 105.

Daily (1) 10:10-12:00      Laboratory, daily 12:10-12:55

(2) 10:10-12:00

(3) 10:10-12:00

(4) 10:10-12:00

### 112 INTENSIVE INTERMEDIATE JAPANESE (6)

Larrabee, Okutsu, J. Young

(5 sections)

Intensive course equivalent to Intermediate Japanese in the academic year. The course includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work a week for 6 weeks, two periods of laboratory drill daily required.

Daily (1) 10:10-12:30; 2:40-5:00      Laboratory, 9:10-9:30; 1:35-1:55

(2) 10:10-12:30; 2:40-5:00      9:10-9:30; 1:35-1:55

(3) 10:10-12:30; 2:40-5:00      9:35-9:55; 2:10-2:30

(4) 10:10-12:30; 2:40-5:00      9:35-9:55; 2:10-2:30

(5) 10:10-12:30; 2:40-5:00      9:35-9:55; 2:10-2:30

### 162 INTERMEDIATE JAPANESE (4)

Tsuruoka

Continuation of 161.

Daily 7:40-10:00      Laboratory, daily by arrangement

### 212 THIRD-LEVEL JAPANESE (3)

Kurokawa

Continuation of 211. Prerequisite: 162 or equivalent.

Daily 8:10-10:00

### 252 JAPANESE FOR READING KNOWLEDGE (3)

Yasuda

Continuation of 251.

Daily 12:40-2:30

- 402 JAPANESE LITERATURE IN ENGLISH (3)** **Uyehara**  
Continuation of 401. Prerequisite: two semesters of literature in English department.  
Daily 11:35-12:50
- 416 JAPANESE GRAMMAR—COLLOQUIAL (3)** **Fujioka**  
Continuation of 415.  
Daily 8:10-9:40
- 418 FOURTH-LEVEL JAPANESE (3)** **Uyehara**  
Continuation of 417.  
Daily 12:40-2:30

### Korean (Kor)

- 112 INTENSIVE INTERMEDIATE KOREAN (6)** **Park**  
Intensive course equivalent to Intermediate Korean in the academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work a week for 6 weeks, two periods of laboratory drill daily required.  
Daily 10:10-12:30; 2:40-5:00      Laboratory, daily by arrangement
- 162 INTERMEDIATE KOREAN (4)** **Y. S. Lee**  
Continuation of 161.  
Daily 7:40-10:00      Laboratory, daily by arrangement

### Library Studies (LS)

- 663 SERVICE FOR CHILDREN AND YOUNG PEOPLE (3)** **De Angelo**  
Organization and provision of services from preschool through young adult years, considering both school and public libraries. Special attention to preparation of lessons in use of books and libraries.  
August 1-20.  
Daily hrs. arr.
- 701 ADMINISTRATION OF LIBRARIES IN ASIA (3)** **Nunn**  
Governmental and fiscal policies and programs, personnel administration, policy making, building and equipment for libraries in Asian countries.  
August 1-20.  
Daily hrs. arr.
- 705 ASIAN REFERENCE SOURCES (3)** **Nunn**  
Bibliographical and reference tools and services in Asian countries with special attention to source materials in other than Western languages.  
August 1-20.  
Daily hrs. arr.

### Mathematics (Math)

- 102 PLANE TRIGONOMETRY (3)**  
Prerequisite: two years of high school algebra; one year of plane geometry.  
Daily 7:20-8:35

**103 COLLEGE ALGEBRA (3)**

(2 sections)

Prerequisite: facility in trigonometry or concurrent registration in 102.

Daily (1) 7:20- 8:35

(2) 8:45-10:00

**135 CALCULUS I (4)**

(2 sections)

Basic concepts and techniques, derivatives, conics, and integrals. Prerequisite: 103 or two years of high school algebra and trigonometry.

Daily (1) 7:20- 8:35                      Laboratory, M 1:00-3:00

(2) 8:45-10:00                      Laboratory, T 1:00-3:00

**136 CALCULUS II (4)**

(2 sections)

Exponential, logarithmic, trigonometric, and hyperbolic functions; techniques of integration; vectors; three dimensional space; multiple integration. Prerequisite: 135 or equivalent.

Daily (1) 7:20- 8:35                      Laboratory, W 1:00-3:00

(2) 8:45-10:00                      Laboratory, Th 1:00-3:00

**402 DIFFERENTIAL EQUATIONS II (3)**

Bessel functions, Legendre functions, Fourier and other series. Theory and application of partial differential equations. Prerequisite: 232.

Daily 7:20-8:35

**Music (Mus)****150 ELEMENTARY MUSICIANSHIP (3)****Lum**

Terminology, notation, sight singing, rhythmic and melodic dictation, and ukulele instruction. For prospective teachers. Not open to those who have had 140.

Daily 10:10-11:25

**152 STRING METHODS (2)****Landsman**

Basic skills and teaching methods for stringed instruments. For students preparing to teach instrumental music.

Daily 9:10-10:00

**160 INTRODUCTION TO MUSIC LITERATURE (3)****Herand**

Orchestral literature from the classical through the modern period. From the listener's point of view.

Daily 8:45-10:00

**453 ADVANCED BRASS METHODS (2)****Lum**

Advanced playing, teaching technique, and materials of brass instruments. Prerequisite: 154.

August 1-31.

Daily 9:00-10:00

**455 ADVANCED PERCUSSION METHODS (2)****L. Russell**

Advanced playing, teaching technique, and materials of percussion instruments. Prerequisite: 155.

August 1-31.

Daily 10:10-11:10

## Philosophy (Phil)

- 100 INTRODUCTION TO PHILOSOPHY (3)** **Haynes**  
 Problems, methods, and fields of philosophy.  
 Daily 8:45-10:00
- 350 ETHICS (3)** **Haynes**  
 A comparative analysis of ethical theory in theological, legal, literary, scientific, social, as well as philosophical sources indicating the relevance of ethical theory to the process of decision making.  
 Daily 10:10-11:25

## Political Science (Pol Sc)

- 110 INTRODUCTION TO POLITICAL SCIENCE (3)** **Choudhury**  
 Role of government in modern society. Types and practices of government; processes of political change; citizen participation.  
 Daily 8:45-10:00
- 300 ELEMENTS OF POLITICAL THEORY (3)** **Miwa**  
 Analysis of some of the major concepts of political theory; their statement by major political philosophers.  
 Daily 8:45-10:00
- 463 INTERNATIONAL RELATIONS OF SOUTH AND SOUTHEAST ASIA (3)** **Choudhury**  
 Emergence from colonialism of these new states. "Neutralism"; intra-regional struggles; cooperation; Afro-Asian bloc; United Nations activities.  
 Daily 10:10-11:25
- 684 POLITICS AND ADMINISTRATION OF EDUCATIONAL POLICY (3)** **Cahill**  
 Political conditions under which educational administration takes place and their effects upon educational organization and policy.  
 Daily 11:35-12:50

## Psychology (Psy)

*Psy 102 or 104 is prerequisite to all other psychology courses.*

- 104 INTRODUCTION TO PSYCHOLOGY (3)** **Oakes**  
 Similar to 102 but without laboratory. Not open to those who have had 102, or to Arts and Sciences students.
- 306 PSYCHOLOGY OF LEARNING (3)** **J. S. Brown**  
 The major conditions influencing learning and forgetting; the role of motivation, rewards, practice; theoretical interpretations of the learning processes.  
 Daily 7:20-8:35
- 460 PSYCHOLOGY OF PERSONALITY (3)**  
 Theory and methods in study of behavioral organization and continuity; case study.  
 Daily 11:35-12:50

- 600(3) SEMINAR: STATISTICS AND MEASUREMENTS (2)** Tucker  
Multivariate analysis.  
Daily 12:00–12:50
- 600(5) SEMINAR: PHYSIOLOGICAL (2)** Parmelee  
Problems in physiological psychology.  
Hrs. arr.
- 600(6) SEMINAR: PERSONALITY (2)**  
Methods and problems of research in personality development and organization.  
Daily 9:10–10:00
- 600(12) SEMINAR: LEARNING (2)** J. S. Brown  
Classical conditioning in relation to problems of awareness and volition.  
Daily 10:35–11:25
- 620 QUANTITATIVE METHODS 1 (3)** Tucker  
Basic concepts and techniques in psychological statistics and research design.  
Daily 8:45–10:00
- 750 RESEARCH IN DEVELOPMENTAL PSYCHOLOGY (3)** Parmelee  
Supervised reading, discussion, and research projects in areas of special interest. Pre-requisite: consent of instructor.  
Hrs. arr.
- 779 PSYCHOLOGY OF REHABILITATION (3)** Muthard  
Principles of vocational rehabilitation; evaluation and placement of the handicapped.  
Psychological aspects of disability.  
Daily 10:10–11:25
- 782 PSYCHOLOGICAL COUNSELING (A) (2)** Muthard  
Theory and technique in psychological counseling.  
Daily 12:00–12:50

### Religion (Rel)

- 151 RELIGION AND THE MEANING OF EXISTENCE (3)** Crawford  
Introduction to the basic ideas and issues of contemporary religious thought as they are related to the question: "What is the meaning of existence?"  
Daily 10:10–11:25

### Sanskrit (Sansk)

- 102 ELEMENTARY SANSKRIT (3)** Artola  
Continuation of 101.  
Daily 8:10–10:00
- 152 INTERMEDIATE SANSKRIT (3)** Artola  
Continuation of 151.  
Daily 10:10–12:00

## Social Work

### 300 THE FIELD OF SOCIAL WORK (3)

Jambor

Non-professional orientation course intended to acquaint the student with the philosophy, scope, and aims of social work. Prerequisite: junior standing.

August 1-19.

Daily 8:00-11:00

## Sociology (Soc)

### 151 INTRODUCTION TO THE STUDY OF SOCIETY (3)

O'Brien

Basic social relationships, norms, social structures, and processes affecting social change. Not open to juniors or seniors.

Daily 10:10-11:25

### 201 PRINCIPLES OF SOCIOLOGY (3)

O'Brien

Principles underlying the organization of social groups, communities, institutions, and ecological structures; basic processes of socialization, collective behavior, and social change. Equivalent to 151, and open to juniors, seniors, and graduates only.

Daily 7:20-8:35

## Spanish (Span)

### 102 ELEMENTARY SPANISH (3)

(2 sections)

Continuation of 101.

Daily (1) 8:10-10:00

(2) 9:10-11:00

Laboratory, daily 7:10-7:55, or 8:10-8:55  
or 10:10-10:55, or 11:10-11:55

### 152 INTERMEDIATE SPANISH (3)

(2 sections)

Continuation of 151.

Daily (1) 9:10-11:00

(2) 10:10-12:00

Laboratory, daily 8:10-8:55, or 9:10-9:55  
or 11:10-11:55, or 12:10-12:55

### 204 ADVANCED GRAMMAR AND CONVERSATION (3)

Continuation of 203.

Daily 11:35-1:25

## Speech (Sp)

### 140 FUNDAMENTALS OF ORAL COMMUNICATION (2)

Krause, Yuhas

(6 sections)

Communication for social interaction. Speech production; organization of ideas; training for mastery of speech standards. Conferences required.

Daily (1) 7:45- 8:35 (Krause)

(2) 7:45- 8:35 (Yuhas)

(3) 9:10-10:00 (Krause)

(4) 9:10-10:00 (Yuhas)

(5) 10:10-11:00 (Krause)

(6) 10:10-11:00 (Yuhas)

- 150 PUBLIC SPEAKING (3)** **Harms**  
 (2 sections)  
 Basic principles of speech composition and delivery; preparation and delivery of speeches with attention to principles studied; special attention to individual problems.  
 Daily (1) 8:45-10:00  
 (2) 11:35-12:50
- 221 METHODOLOGY OF SPEECH CORRECTION (3)** **Ritter**  
 Methods used in clinical procedures for organic and functional disorders of speech; observation of clinical procedures. Prerequisite: 210, 220.  
 Daily 8:45-10:00
- 223 TESTING OF HEARING (3)** **Utting**  
 Methods of administering screening testing programs; threshold determinations by routine methods and special tests of hearing; interpretation of results. Prerequisite: 222.  
 Daily 10:10-11:25
- 598 SPECIAL PROBLEMS (2) (for Keio Program only)** **E. Carr**  
 (3) Phonetics  
 Daily (31) 7:45- 8:35  
 (32) 9:10-10:00
- 623 ADVANCED PRACTICUM IN SPEECH PATHOLOGY (2)** **Ritter**  
 Clinical practice in diagnostic and therapeutic procedures; emphasis placed upon complex problems such as delayed speech, language problems, aphasia, and stuttering. Prerequisite: 322.  
 Hrs. arr.
- 626 SEMINAR IN AUDIOLOGY (2)** **Utting**  
 Review of research and literature in the field of hearing. May be repeated. Prerequisite: 622  
 Hrs. arr.

### Tagalog (Tag)

- 102 ELEMENTARY TAGALOG (3)** **Enriquez**  
 Continuation of 101.  
 Daily 8:10-10:00      Laboratory, daily by arrangement
- 152 INTERMEDIATE TAGALOG (3)** **Enriquez**  
 Continuation of 151.  
 Daily 10:10-12:00      Laboratory, daily by arrangement

### Thai (Thai)

- 112 INTENSIVE INTERMEDIATE THAI (6)** **Chitakasem**  
 Intensive course equivalent to Intermediate Thai in the academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work for 6 weeks, two periods of laboratory drill daily required.  
 Daily 10:10-12:30; 2:40-5:00      Laboratory, daily by arrangement
- 152 INTERMEDIATE THAI (3)** **Chitakasem**  
 Continuation of 151.  
 Daily 8:10-10:00      Laboratory, daily by arrangement



# Hilo Campus

- Bot 353 ECOLOGY I (3)** **Baldwin**  
Plant-environmental relations (autecology) with emphasis on tropical conditions. Prerequisite: 201 or consent of instructor. Recommended: 360.
- Law 300 PRINCIPLES OF BUSINESS LAW (3)** **Swann**  
American system of jurisdiction, elements of torts, criminal law, property, trusts and estates, law of contracts and agency.
- Econ 150 PRINCIPLES OF ECONOMICS (3)** **Swann**  
Analysis of functioning of economic systems with emphasis on forces determining levels and changes of national income and employment. Describes basic economic institutions, e.g., markets, money, banks, labor organizations, corporations.
- Ed EP 309 TESTS AND MEASUREMENTS (3)** **Dixon**  
Theory and techniques of evaluation in education. Prerequisite: EE 221, EE 222, or SE 230.
- Eng 101 EXPOSITORY WRITING (3)** **Staff**  
(3 sections)  
Training in analysis of expository essays; introduction and practice of principal expository procedures, including assertion, exemplification, definition, classification.
- Eng 150 MAJOR WORKS OF BRITISH AND AMERICAN LITERATURE (3)** **Moon**  
Middle Ages to 1800.
- Eng 231 INTRODUCTION TO POETRY (3)** **Hurley**  
Written and oral analysis of the imagery, sound, language, and form and structure of poems, leading to increased awareness of the nature of poetry.
- Fr 101 ELEMENTARY FRENCH (3)**  
Conversation, laboratory drill, grammar, reading.
- Fr 151 INTERMEDIATE FRENCH (3)**  
Reading, conversation, laboratory drill, composition. Prerequisite: 102 or the equivalent.
- Hist 151 WORLD CIVILIZATION (3)** **Frankel**  
Development of civilization from the ancient Orient and classical Greece and Rome to the present; emphasis on Western civilizations. Prerequisite for advanced courses. (Freshmen and sophomores only.)
- Hist 181 INTRODUCTION TO AMERICAN HISTORY (3)** **Warsh**  
Interpretative survey of United States history: 1500 to Civil War.
- Hist 410 EARLY MODERN EUROPE, 1600-1800 (3)** **Warsh**  
Thought and culture of Europe in the age of expansion.

- Hist 512 LATIN AMERICAN HISTORY (3)** **Frankel**  
Political, economic, and social development of the Latin-American republics.
- Math 111 INTRODUCTION TO MATHEMATICS (3)**  
To acquaint the non-specialist with the position of mathematics in modern culture.
- Ocean 201 SCIENCE OF THE SEA (3)** **Little**  
Origin, history, water movements, chemical composition, sediments, plant and animal life, productivity and resources. An interdepartmental offering.
- Pol Sc 110 INTRODUCTION TO POLITICAL SCIENCE (3)** **Markey**  
Role of government in modern society. Types and practices of government; processes of political change; citizen participation.
- Pol Sc 404 MODERN POLITICAL IDEOLOGIES (3)** **Markey**  
Survey of political ideologies such as communism, fascism, socialism.
- Psy 250 DEVELOPMENTAL PSYCHOLOGY (3)** **Ushijima**  
Emotional, mental, physical, social development from infancy to adulthood; interests and abilities at different age levels.
- Sp 101 SOUNDS AND RHYTHMS OF SPOKEN ENGLISH (1)** **Hicks**  
Sounds and rhythms of general American speech. International Phonetic Alphabet. Conferences required.
- Sp 140 FUNDAMENTALS OF ORAL COMMUNICATION (2)** **Hicks**  
Communication for social interaction. Speech production; organization of ideas; training for mastery of speech standards. Personal conferences.
- Sp 480 GROUP LEADERSHIP AND DISCUSSION (3)** **Yonan**  
Principles and techniques of effective group leadership in human relations; semantic and psychological barriers to communication. Analysis and discussion of social problems.
- Zool 111 PRINCIPLES OF HUMAN BIOLOGY (3)** **Little**  
Biological principles relating to man; man's place in nature; structure and function of the organ systems. Not open to students who have had 101.



