This course listing describes the courses in the disciplines. Please note that this listing may change depending on changes instituted by these areas. Each semester, the classes that are available for that particular semester may be found at www.uhwo.hawaii.edu/schedule.

Updates to the Course Descriptions may also be found at www.uhwo.hawaii.edu/catalog.

For General Education requirements or Major requirements, please see the appropriate sections of the catalog.

Writing Intensive Requirement: All baccalaureate degree programs require three classes of upper division Writing Intensive (WI) course work.

All classes are offered for letter grade (A-F) unless otherwise noted. See grade coding in the Academic Records section.

### COURSE NUMBERING SYSTEM

| 100-299 | Lower division course work |
| 300-499 | Upper division course work |

**Special Numbers**

- -99 Directed Reading/Research
- -96 Special Topics in Area (experimental courses not listed in the Catalog)

*Note: 100-200 level courses are lower division; 300-400 level are upper division.*

### ABBREVIATION KEY

- **Coreq** Corequisite: indicates classes that must be taken in conjunction with another class or classes.
- **Pre** Prerequisite: indicates classes necessary to register for this course; may include courses, class standing, or instructor approval. Some prerequisites may be taken concurrently.
- **WI** Writing Intensive (Note: all WI sections of a course have the following prerequisite: Completion of, or concurrent enrollment in ENG 200.)
- **(v)** Variable Credit

### GENERAL EDUCATION DESIGNATIONS

#### FOUNDATIONS

- **FGA** Global & Multicultural Perspectives; Group A (ex., ANTH 151, HIST 151, ENG 253)
- **FGB** Global & Multicultural Perspectives; Group B (ex., ANTH 152, GEOG 102, HIST 152)
- **FGC** Global & Multicultural Perspectives; Group C (Currently no offerings at UHWO)
- **FS** Foundations Symbolic Reasoning (ex., MATH 100, MATH 103, MATH 112, MATH 135, or higher MATH)
- **FW** Foundations Written Communication (ex., ENG 100)

#### DIVERSIFICATIONS

- **DA** Diversification Arts
- **DB** Diversification Biological Science
- **DH** Diversification Humanities
- **DL** Diversification Literatures
- **DP** Diversification Physical Science
- **DS** Diversification Social Science
- **DY** Diversification Science Laboratory

#### FOCUS

- **HAP** Hawaiian, Asian, and Pacific Issues
- **OC** Oral Communication
- **ETH** Contemporary Ethical Issues
- **WI** Writing Intensive

*For updated course descriptions, please go to www.uhwo.hawaii.edu/catalog*
ACCOUNTING

ACC 201 Introduction to Financial Accounting (3)
Pre: Placement into ENG 100 or equivalent.
An introduction to accounting principles and practices used to record and communicate financial information. Analyze methods for valuing assets, liabilities, and equity of an organization.

ACC 202 Introduction to Managerial Accounting (3)
Pre: ACC 201 with C- or better.
An introduction to managerial accounting methods for evaluating performance including cost accounting, budgeting, break-even analysis, ration analysis, standard cost systems, and reporting for internal decision making.

ACC -96 Selected Topics (v 1-6)
Topics selected will be based on program relevancy and student interest. Course content will vary. May be repeated for credit.

ACC -99 Directed Reading and Research (v)
Pre: Instructor approval.
Individual projects in various subjects. To be arranged with the instructor.

AEROSPACE STUDIES

Note: ROTC courses are held at the University of Hawai‘i at Manoa campus.

The leadership laboratory is required for all courses. Conducted within the framework of organized cadet corps with progression of experiences designed to develop leadership potential. Involves Air Force customs and courtesies, drills, and career progression.

AS 101 Foundations of the United States Air Force (1)
Study of the total force structure, strategic offensive and defensive, general purpose, and aerospace support forces of the Air Force in the contemporary world. A-F only.

AS 101L Initial Military Training I (1)
Laboratory consists of activities that focus and promote the Air Force way of life. Instruction will include leadership and followership development, teamwork, physical fitness training, and activities designed to build camaraderie and esprit de corps. Course is open to all majors. CR/NC only.

AS 201 Evolution of USAF Air and Space Power (2)
Study of Air Force heritage, Quality Air Force principles, ethics, and an introduction to leadership and group leadership problems. Application of written and verbal communication skills is included. A-F only.

AS 201L Field Training Preparation I (1)
Laboratory consists of preparing second-year AFROTC cadets with the skills needed to successfully complete AFROTC Field Training. Students will learn basic military skills, Field Training skills, and participate in physical fitness training. CR/NC only. Pre: consent.

AS 202 Evolution of USAF Air and Space Power (2)
Continuation of 201. A-F only.

AS 202L Field Training Preparation II (1)
Continuation of 201L. CR/NC only. Pre: consent.

AS 251L Leadership Laboratory (1)
Laboratory on the basic skills of leadership and followership. Lab includes application of leadership/followership skills, various field trips to military installations, group projects, and physical training. Repeatable one time. A-F only. Pre: 101, 102, 201, 202; or consent. (Fall only)

AS 301 Air Force Leadership Studies (3)
Integrated management course emphasizing the military officer as a manager in Air Force, including individual motivational and behavioral processes, leadership, communication and group dynamics. A-F only.

AS 351L Intermediate Cadet Leader I (1)
Laboratory consists of demonstration of leadership and management skills needed to successfully function as an Air Force officer. Instruction will include lessons covering planning, organizational and communication skills, and the ability to use available resources to complete an assigned task. CR/NC only. Pre: must have completed AFROTC Field Training; or consent.

AS 352 Air Force Leadership Studies (3)
Continuation of 351. A-F only. Pre: must have completed 351.

AS 352L Intermediate Cadet Leader II (1)
Continuation of 351L. CR/NC only. Pre: must have completed AFROTC Field Training; or consent.

AS 401 National Security Affairs (3)
Study of the national security process, regional studies, advanced leadership, ethics, and Air Force doctrine. Special focus placed on preparation for active duty and current issues affecting professionalism. A-F only. Pre: 352 or consent. (Fall only)

AS 401L Senior Cadet Leader I (1)
Laboratory consists of providing prospective Air Force officers opportunities to continue to develop leadership, managerial, and supervisory skills. Instruction will include preparation for active duty. CR/NC only. Pre: must have completed 351 and 352L; or consent.

AS 402 National Security Affairs (3)
Continuation of 401. A-F only. Pre: 401 or consent.

AS 402L Senior Cadet Leader II (1)
Laboratory consists of providing prospective Air Force officers opportunities to continue to develop leadership, managerial, and supervisory skills. Instruction will include preparation for active duty. CR/NC only. Pre: must have completed 351 and 352L; or consent.

ANTHROPOLOGY

ANTH 151 Emerging Humanity (3)
This course is an introduction to human biological evolution and the archaeology of culture in the world, prior to AD 1500. (FGA)

ANTH 152 Culture and Humanity (3)
This course is an introduction to cultural anthropology. It looks at the interaction among the natural environment, human cultures, and the system of symbols through which they interpret the world. (FGB)

ANTH 181 Archaeological Field Techniques-Historic Archaeology (3)
This introductory-level class features a multi-disciplinary approach to investigating and interpreting historic archaeological sites, focusing on sites dating from the late 19th century to the present. It includes fieldtrips; guest lectures; field and artifact photography; application of historic archival and photographic materials; training in the use of GPS, instrument mapping, metal detecting, and some excavating; and historic sites recording and historic preservation.

ANTH 210 Archaeology (3)
Archaeology is the study of past cultures and societies through their material remains. This course explores different types of archaeology and examines theory, methods, and techniques for investigating, reconstructing, interpreting, preserving, and learning from the past. It will review human cultural chronology from the time of the first people, during the earliest Paleolithic ages, to the present. It will examine the artifacts and also the important economic, social, and even ideological elements of ancient cultures--such as those on the origins of food production, hierarchy, and civilization.

ANTH 215 Physical Anthropology (3)
Coreq: ANTH 215L.
Physical anthropology is a biological science which focuses on adaptations, variability, and the evolution of humans and their nearest relatives, living and fossil. This course serves as an introduction to the field. The areas to be covered include the principles of evolution, biological basis of life, Mendelian and population genetics, human diversity, human (climatic) adaptability, growth and nutrition, biological classification, the biology and behavior of non-human primates (primatology), and the study of primate and human fossils (paleoanthropology).

ANTH 215L Physical Anthropology Lab (1)
Coreq: ANTH 215.
This course serves as the laboratory study of human and population genetics, human variability, primatology, human osteology, and human and primate paleontology.
ANTH 321 World Archaeology (3)
Pre: ENG 100.
This course examines the origins of agriculture and domestication of animals, the origins of urbanism, and the rise of civilizations throughout the world. It begins with discussions of general principles and theories in archaeology; site dating; excavation and survey; artifact analysis; faunal analysis; and paleobotany. These are used to examine agriculture and animal husbandry in the Upper Paleolithic, beginning ca. 25,000 years ago, in the ancient Middle East, Asia, and North and South America. Theories about origins of urbanism and the rise of civilizations are also considered, with case studies drawn from the prime areas of Southwest Asia, East Asia, South Asia, Egypt, Mesoamerica, South America and, possibly, prehistoric North America. The course will also feature a “virtual dig” of a Paleolithic site.

ANTH 350 Pacific Islands Cultures (3)
Pre: ENG 100.
Investigates the fantasy and reality of the cultures of Polynesia, Micronesia, and Melanesia. It explores the original formation and peopling of the islands; the different social, political, economic, and religious systems that developed; and the history of foreign contact and culture change.

ANTH 351 Culture, Thought, and Behavior (3)
Pre: ENG 100.
A cross-cultural investigation of concepts of self; the socialization process; personality development; interpersonal relations; world views; and the various forms of personal and cultural expressions.

ANTH 358 Myth, Symbol, and Ritual (3)
Pre: ENG 100.
Myths play an important role in a people’s understanding of the world and their place in it. Rituals are used to bring persons into contact with the realm of the sacred. They are performed because it is believed that they can bring about profound changes in individuals and can even transform the world. When experienced by those who believe in them, rituals can cure sickness, cause death, secure salvation and life everlasting, bring ancestors to life, and transform weak boys and lazy girls into strong and productive men and women. Myths and rituals derive their power from symbols — objects, actions, words, and relationships that convey meaning. This course looks at the power of symbols, rituals, and myths.

ANTH 362 Gender, Culture, and Society (3)
Pre: ENG 100.
An exploration of gender in individual, social, and cultural contexts. Examines the interrelationship of biological and environmental factions, socialization processes, institutional contexts, and prospects for change and gender equity. (Cross-list SOC 362)

ANTH 380 Field Archaeology: Pre-European Times (3)
Students will learn the techniques of archaeological fieldwork with a focus on the archaelogy of pre-European and early post-European contact times in the Hawaiian Islands and the Pacific. Lectures cover the history and settlement patterns of the lands (ahupua’ā) within the district (moku) in which the field site is located (based on archaeology, oral history and archival information), site and artifact types, archaeological field techniques, lab analyses, historic preservation laws, and case studies. Hands-on fieldwork will occur at Native Hawaiian historic sites, primarily of pre-European age, and will include mapping and excavation. (Cross-list HPST 380)

ANTH 381 Archaeological Field Techniques-Historic Archaeology (3)
This class features a multi-disciplinary approach to investigating and interpreting historic archaeological sites, focusing on sites dating from the late 19th century to the present. It includes fieldtrips; guest lectures; field and artifact photography; application of historic archival and photographic materials; training in the use of GPS, instrument mapping, metal detecting, and some excavating; and historic sites recording and historic preservation.

ANTH 383 Museum Studies (3)
Pre: ENG 100.
This course introduces students to an overview of the history, philosophy, and current status of museums; legal and ethical issues; and current debates and perspectives about museum practices, including the issues of collection, preservation, and interpretation. Museum professionals join the class as guest speakers and discussants for course topics. Fieldtrips to local museums are also featured.

ANTH 384 Human Skeletal Biology (4)
Pre: Any BIOL or ANTH course; physical anthropology course is strongly recommended.
This lecture and lab course presents an introduction to human osteology (the study of human bones). The course will cover the basics of skeletal growth, the function of skeletal structures in the human body, the identification of human skeletal elements, standard methods for developing a biological profile (age, sex, stature, ancestry) from skeletal remains, and ways that osteology is important to forensic anthropology, bioarchaeology, physical anthropology, and human evolution.
ANTH 415 Human Ecological Adaptation (3)
Pre: ENG 100.
This course investigates the relationship of humans and the natural environment. Emphasis is placed on an understanding of human ecological adaptation that is evolutionary and holistic. It will investigate human variation in response to conditions of heat, cold, altitude, diet, and disease. In particular, it will focus on subsistence practices, and especially how past human societies and cultures adapted to the environment and changed over time. The complexity of how human societies both exploit and are limited by their environment will be stressed.

ANTH 420 Culture and Communication (3)
Pre: ENG 100.
Language is the principal means by which humans communicate. This course explores the nature of language, the unique biological characteristics of humans that make language possible, the complex elements of language, and the significance of language for human culture. Students will apply anthropological techniques developed to analyze languages around the world to the study of their own speech community.

ANTH 423 Social and Cultural Change (3)
Pre: ENG 100.
An examination of the causes, processes, and effects of social change in simple and complex societies, with emphasis on the major theories of social and cultural change. (Cross-list SOC 423)

ANTH 437 Pacific Archaeology (3)
This course investigates the origins of Pacific peoples and their settlement and adaptation to the islands in Melanesia, Micronesia, and Polynesia. Evidence will be drawn from archaeological sites, artifacts, languages, and oral traditions. (Cross-list HIST/HPST 437) (DH)

ANTH 447 Polynesian Cultures (3)
Pre: ENG 100.
This course focuses on contemporary Polynesian societies. Topics covered include subsistence and exchange; kinship, marriage, and family life; ritual and belief systems; rank and political leadership; and ideas about health and illness. Special attention will also be devoted to current issues affecting Polynesian peoples, such as population growth, migration, the problem of insuring economic growth in a global economy, the politics of identity, and health and environmental issues.

ANTH 448 Micronesian Cultures (3)
Pre: ENG 100.
This course explores the dozens of distinct cultures and the important historical events and changes to the “little islands” of Micronesia. Micronesian cultures are noted for careful adaptations to their physical environments, some described as “marginal”. They are renowned as navigators. They have some of the most highly developed chiefdoms and extensive empires within the Pacific. Over centuries of European and Asian presence in the region, Micronesians came into contact with whalers, traders, missionaries, colonists, and the military. Micronesia was a major arena during World War II and an important site of postwar nuclear weapons testing. Today, the region has achieved a measure of political independence. But, Micronesia’s strategic location continues to be of global interest. Life has changed significantly, yet tradition remains strong.

ANTH 457 Okinawans Locally and Globally (3)
Pre: ENG 100.
This seminar-format course uses sociological and anthropological concepts and theories to examine the historical conditions which sparked Okinawan immigration to Hawaii and globally. It will survey Ryukyuan and Okinawan history and cultural elements, impact of the Pacific War and current events which have affected Okinawan communities in Hawaii and globally. (Cross-list SOC 457)

ANTH 458 Forensic Investigations (3)
Pre: ENG 100.
This course applies concepts and methods from physical anthropology to problems in human identification. These allow the investigator to determine age, sex, ancestry, diseases, and pathologies found in human remains. The course also considers DNA testing and its role in the courts. In addition, a review of actual case studies and a special field trip to the Central Identification Laboratory are also featured.

ANTH 460 Advanced Techniques in Forensic Anthropology (3)
Pre: ANTH 384 or instructor consent.
This course concentrates upon specific forensic anthropology skills in detail, as used by practitioners in the field. Topics include assessment of age, sex, ancestry, stature, trauma, osseous pathology, taphonomic history, methods of individualization/positive identification, and forensic entomology/time since death. The course will include lectures and also feature practical training with osteological specimens. Students will complete a research project on one of the forensic topics covered in the course.

ANTH 483 Archaeology of Hawai’i (3)
This course will explore Hawaiian prehistory from the time of original settlement of the Islands until the arrival of Captain James Cook. Evidence will be gained from the
in the Philippines. An examination of the emergence of the discipline and contemporary theoretical issues and perspectives. Major theories in the study of human nature and culture will be discussed in their historical contexts. Special attention will be given to cultural ecology, structuralism, structural-functionalist, political economy, symbolic anthropology, post-structuralism, reflexive anthropology. (DS)

ANTH 490 History and Theory of Anthropology (3)  
Pre: ENG 100 and any ANTH course, or instructor consent.  
An examination of the emergence of the discipline and contemporary theoretical issues and perspectives. Major theories in the study of human nature and culture will be discussed in their historical contexts. Special attention will be given to cultural ecology, structuralism, structural-functionalist, political economy, symbolic anthropology, post-structuralism, reflexive anthropology. (DS)

ANTH 495 Research Seminar (3)  
Pre: ENG 100 and SSCI 210.  
Seminar on recent literature in some field (mutually selected by faculty and student) and appropriate alternative research strategies and techniques.

ANTH -96 Selected Topics in Anthropology (v)  
Topics selected will vary with student interests; emphasis will be on relevancy and application of theory and analysis to problem solving. Examples: Women in Cross-Cultural Perspective, Medical Anthropology, Ethics in Anthropology. May be repeated for credit.

ANTH -99 Directed Reading and Research (v)  
Pre: Instructor consent.  
To be arranged with the instructor.

ART

ART 107D Introduction to Digital Photography (3)  
This course is an introduction to digital photography. Students will learn basic camera techniques and how to process their images in digital format. This course will provide the student with basic aesthetic principles as well as an extensive range of practical photographic techniques needed for entry into the photographic workplace and/or for artistic expression. It provides experience in traditional and contemporary photographic techniques for art, multimedia, and television.

ART 112D Introduction to Digital Art (3)  
Pre: Placement in ENG 100 or concurrent enrollment in ENG 22.  
This course is an introduction to the technology, vocabulary and procedures of computer produced images. Students will study the basic principles of art and the elements of design, creative process and methods of visual communication. Using the computer as the artist's tool, students will study the creation of art and design through the usage of layout devices such as composition,
visual hierarchy, content development and concept development. (DA)

ART 113D Introduction to Digital Drawing (3)
An introduction course for students who are interested in developing communication skills in the area of two-dimensional drawing as it relates to computer-based imaging. Fundamental drawing concepts, creative problem solving techniques and basic design principles will be covered. Material covered in this course may be useful to any area of study where visual enhancement may apply. This includes ICS and Business.

ART 221 Design for Print & Web (3)
Pre: ICS 101 recommended but not required.
Introduction to the development principles related to graphic design terminology, tools and media, and layout design concepts. Emphasis on typesetting and composing for print and web products. (DA)

ART 229 Interface Design I (3)
Pre: ART 112 with a grade of C or better, or consent of instructor.
This course provides a foundation of interface design skills, techniques, and principles necessary to design visually effective, user-friendly websites. Through lessons, demonstrations, and hands-on projects, this course explores how the fundamental elements and principles of graphic design are applied through the design process for creating interactive interfaces. Students go through the analysis, information architecture, conceptual planning, and visual layout designing stages of the web design process and document their findings through client documentation and presentations.

ART 311D Design in Public Spaces (3)
Pre: ART 112, ENG 200.
Students learn theory and discourse related to designing for public spaces by examining case studies and examples of social entrepreneurship applied through graphic design vehicles. Students will employ graphic design techniques and utilize industry standard software with the intent to discuss and reflect on approach, method, and theory. (Cross-list PUBA 311) (DA)

ART 320 Web Design & Development (3)
Pre: ART 112.
Students will plan, design, and launch a complete website with creative interfaces, strong graphic images, functional site organization, and logical navigation.

ASTRONOMY

ASTR 110 Survey of Astronomy (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
This course introduces the astronomical universe, including: the solar system with its diverse planets, moons, etc.; more distant celestial objects; theories for the origin of the universe and the formation of our Milky Way and other galaxies, comparative cosmologies including at least western and Hawaiian; concepts of distance and deep time. (DA)

BIOCHEMISTRY

BIOC 141 Fundamentals of Biochemistry (3)
Pre: Placement in ENG 100 or concurrent enrollment in ENG 22; and MATH 25 or higher.
This course is a systematic study of the principles of general, organic, and biochemistry as they apply to living systems. It prepares students for technical training in life sciences. (DP) (Previously BIOC 241)

BIOLOGY

BIOL 100 Human Biology (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Designed for the non-biologist who wishes to learn more about fundamental biological concepts, with emphasis on humans and the human body. Topics covered will include the structure and function of cells, tissues, organs, and organ systems of the human body, which will be related to physical fitness, nutrition, health, disease and genetics. Evolution of humans and their role in the biosphere will also be covered. Not intended for science majors. (DB)

BIOL 101 Biology & Society (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Coreq: BIOL 101L.
This course introduces students to the characteristics of science, the historical development of biological concepts, and the interactions of society with biological science. Designed for the non-biologist who wishes to learn more about fundamental biological concepts, including evolution, biodiversity, cellular and molecular biology, physiology, genetics and ecology. Application of biological knowledge to current problems, such as biotechnology and human impacts on the biosphere, will also be covered. Not intended for science majors. (DB)
BIOL 101L Biology & Society Laboratory (1)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Coreq: BIOL 101.
This course introduces students to the characteristics of science, using scientific inquiry and topics in the biological sciences. Topics covered will include the major concepts of biology, including evolution, biodiversity, cellular and molecular biology, physiology, genetics and ecology. Not intended for science majors. (DY)

BIOL 123 Hawaiian Environmental Biology (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Coreq: BIOL 123L.
This course will describe characteristics and theories of science as they interact with and impact modern society and the Hawaiian environment. Emphasis will be on biological sciences and local Hawaiian issues. However, examples from other places and other sciences (geology, oceanography, etc.) will add depth of understanding and relate Hawai‘i to its global context. (DB)

BIOL 123L Hawaiian Environmental Biology Laboratory (1)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Coreq: BIOL 123.
This laboratory will investigate the characteristics and theories of science as they interact with and impact modern society and the Hawaiian environment. The laboratory will focus on the environment of Hawaii, the physical factors that affect the habitats in the islands, the arrival of plants, animals, and humans in these environments, and how the plants and animals have changed following their introductions. The last section of the laboratory will focus on current environmental issues facing the populations in Hawaii. This course satisfies the General Education requirement for a science laboratory. (DY)

BIOL 124 Environment and Ecology (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
This course is an introduction to biology for life science majors that integrates traditional and modern biological approaches. Topics covered include cell structure and chemistry, growth, reproduction, basic cell biology, genetics and evolution, phylogeny and systematic, and biodiversity of viruses and bacteria. (DB)

Environmental Quality; and Sustaining Human Societies. (DB)

BIOL 171 Introduction to Biology I (3)
Pre: Completion of or concurrent enrollment in either CHEM 151 or 161.
Coreq: BIOL 171L.
This course is an introduction to biology for life science majors that integrates traditional and modern biological approaches. Topics covered include cell structure and chemistry, growth, reproduction, basic cell biology, genetics and evolution, phylogeny and systematic, and biodiversity of viruses and bacteria. (DB)

BIOL 171L Introduction to Biology Lab I (1)
Coreq: BIOL 171.
Laboratory to accompany Introduction to Biology I. This course should provide the student with an understanding of cell structure and chemistry, growth, reproduction, genetics, evolution, viruses, and bacteria, as well as an introduction to the techniques used in the study of biology. (DY)

BIOL 172 Introduction to Biology II (3)
Pre: BIOL 171.
Continuation of Introduction to Biology I. Topics covered include anatomy, physiology, and systematic of plants and animals; behavior; ecosystems, populations, and communities. (DB)

BIOL 172L Introduction to Biology Lab II (1)
Co-req: BIOL 172
Laboratory to accompany Introduction to Biology II. This course should provide the student with an understanding of the characteristics of organisms and their interactions with the biological and physical environment; an introduction to the diversity of living forms, and an introduction to the techniques used in the study of biology. (DY)

BIOL 200 Coral Reefs (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
This course is an introduction to the biology, ecology and geology of corals and the reef structures they build. Topics will include the physical and chemical properties of coral reef habitats, reef geology, the physiology, anatomy, ecology and evolution of coral reef organisms, and the human use and management of human impacts on coral reefs. Emphasis will be on the coral reefs of Hawai‘i, but comparisons will be made among reefs from other areas. (DB)
BIOL -96 Selected Topics in Biology (v)
Topics selected will vary with program relevancy and student interest. May be repeated for credit.

BIOL -99 Directed Reading and Research (v)
Pre: Instructor approval.
To be arranged with the instructor.

BOTANY

BOT 101 General Botany (3)
Pre: ENG 100.
An introductory course in plant biology. Topics to be covered are the structure and function of plant cells, tissues, and organs such as roots, stems, leaves, and flowers; concepts of biological evolution and classification; the diversity of plants and plant-like organisms; genetics; and ecology. (DB)

BOT 101L General Botany Lab (1)
Pre: ENG 100L; and BOT 101 or concurrent enrollment. This course focuses on laboratory observations and experiments illustrating basic principles of plant biology. (DY)

BOT 105 Ethnobotany (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22. This course will emphasize Hawaiian ethnobotany, exploring how the Hawaiian people used plants to accomplish the necessary tasks of daily living, in the absence of pottery and metals. Botanical structures will be learned in the context of how they impact the way the plants are used. Pacific island voyagers introduced most of the plants they needed, then also adopted some native plants for specialized purposes.

BUSINESS ADMINISTRATION

BUS 120 Introduction to Business (3)
Pre: Placement in ENG 100 or concurrent enrollment in ENG 22. This course will provide an overview to students of the issues facing managers and businesses in the contemporary business world. The student will gain a basic understanding of key business concepts entrepreneurship and global business. (DS)

BUS 300 Principles of Marketing (3)
Examines the revolution in marketing. Applies the fundamental principles of successful marketing including segmentation, targeting, product development, positioning, packaging, placement, pricing, promotion, service, and relationship-building to the development of marketing plans.

BUS 301 Personal Finance (3)
This course focuses on the management of personal finance. Broad coverage of personal financial decisions, including basic financial planning, use of credit, purchasing an automobile and home, insurance, tax issues, investing, retirement, and estate planning. (Cross-list FIN 301)

BUS 304 Consumer Behavior (3)
Examination of major influences on those who buy and use products. Assessing social, personal, and psychological influences including reference groups in the purchasing decision process. Application of principles to select marketing problems.

BUS 305 Advertising and Promotion Management (3)
Pre: BUSA 300. Applies research findings to advertising, direct marketing, and public relations materials and campaigns. Develops copywriting and visual design skills for effective print ads and press releases. Integrates marketing communications activities including tracking and evaluating results.

BUS 306 Hospitality and Travel Administration (3)
This course evaluates the hospitality culture and what constitutes exceptional customer service. Topics include creating value for the customer and the administration of a sound hospitality and travel program. This course evaluates the managing of an organization from a global perspective.

BUS 307 Corporate Finance (3)
Pre: ACC 201 and BUSA 321. This course focuses on the development and analysis of modern financial theory and its implications for management decisions: time value of money, market efficiency, capital asset pricing, valuation, firm investment decisions, capital structure, dividend policy, and cost of capital. (Cross-list FIN 307.)

BUS 308 Principles of Risk Management and Insurance (3)
The primary focus will be on risk management and insurance techniques for dealing with potential losses to individuals and organizations. We will examine the principles of insurance and insurance contracts as well as discussing insurance industry operations and the various professions within the industry.

BUS 311 Accounting for Entrepreneurs (3)
Pre: MATH 103 and sophomore standing.
This course is intended for students interested in entrepreneurship and/or management. The course is an introduction to accounting concepts and the use of financial statements. The principles of financial and managerial accounting are introduced. The focus of this course is the interpretation and use of accounting information for decision making. Students are exposed to standard accounting language and tools to facilitate business decision making and communication. This course does not meet the requirements for students seeking a degree in Business.

BUSA 312 Intermediate Financial Accounting I (3)
Accounting process and the application of generally accepted accounting principles to the preparation of general purpose financial statements, with special emphasis upon the recognition and measurement of cash, receivables, inventories, property, plant and equipment, depreciation and depletion, and intangibles.

BUSA 313 Intermediate Financial Accounting II (3)
Pre: BUSA 312.
Application of generally accepted accounting principles to the recognition and measurement of liabilities, contingencies, contributed capital, retained earnings, investments, accounting changes and errors, income recognition, accounting for income taxes, pensions, leases, and the statement of cash flows.

BUSA 318 Intermediate Managerial Accounting (3)
Output of cost accounting systems relevant to managerial decision-making, planning, and control. Topics include: job order, process, direct and standard cost systems, with emphasis on the creative application and analysis of costs.

BUSA 319 Federal Individual Taxation (3)
Pre: BUSA 312.
Examines federal taxation of individuals including the following: individual tax formula, gross income, inclusions, exclusions, deductions, exemptions, and tax credits.

BUSA 320 Statistics for Decision-Making (3)
Pre: MATH 103 or equivalent course with a grade of “C-” or better; or COMPASS math placement into MATH 135 or higher.
Statistical application to business processes and decisions. Topics include: descriptive statistics probability, random variables, statistical inference, time series and forecasting techniques. Examples are drawn from finance, personnel, productivity and quality management.

BUSA 321 Business Finance (3)
Pre: ACC 201 and ACC 202, or equivalent; and BUSA 320 or equivalent.
Introduction to the theory and practice of financial management: analysis and decision making for asset management, capital budgeting, and capital structure. (Cross-list ECON 321)

BUSA 322 Money and Capital Markets (3)
Pre: ECON 130 and ECON 131 or equivalent courses. This course will look at the major types of financial institutions and financial instruments such as stocks, securities, and mortgages. It will look at how and why the system of money and capital markets exists and how it is changing. Also, it will provide an explanation of how interest rates and security values are determined and used. Further, it will discuss the current and future trend of the globalization of the financial markets. (Cross-list ECON/FIN 322)

BUSA 324 Business Law (3)
Introduction to the legal environment in which business operates with particular attention to principles of law relating to contracts, agencies, partnerships, corporations, and government regulations. (Not recommended for those who have completed LAW 200 or equivalent.)

BUSA 325 Asian Economies, Business and Consumers (3)
The world economy is undergoing a dramatic transformation with the rapid rise of China, and the global reach of the Japanese and South Korean economies. This course will look at the business, economies, and consumers of East Asia in a historical, cultural and business perspective. The period covered runs from pre-modern Asian economies in the 19th century through the 20th century, and especially focuses on post-WWII economic development. Students will also receive hands-on experience with Asian businesses via field trips and guest speakers. (Cross-list HIST 325) (DH)

BUSA 326 Investments (3)
Introduction to various investment media and capital markets. Topics include the analysis of security returns using techniques such as the Beta coefficient, investment valuation models, portfolio selection, and portfolio theory.

BUSA 328 Personal Lines Insurance (3)
Pre: Completion of or concurrent enrollment in BUSA 308.
This course provides an in-depth study of personal risk management and insurance. Each individual faces risk and must treat risk to continue to live and prosper. This course will examine personal property and liability
insurance, life and health insurance, and retirement planning. It will emphasize the provisions of the insurance coverages and how the insurance is used to address personal risk management and financial planning needs.

Upon completing the course, you should better understand the risks you face. You should be able to assist others, such as clients, with determining what types of insurance they should purchase and how they might address the risks which are not insurable. You should also be able to discuss underwriting concerns associated with these risks and how insurers address the concerns in their personal underwriting, pricing, and product development decision making. Finally, you should be prepared to take and pass CPCU 553 and the licensing exam for Life and Health insurance.

BUSA 330 Computer Skills for Administrators (3)
This course is designed to acquaint the student with microcomputer hardware and software. Students will be introduced to applications commonly used by administrators, and will be provided with hands-on experience. The hardware will be Intel-based PC’s. The software will include, but will not be limited to, office applications running under Microsoft operating systems. Finally, material on networking, the communications infrastructure, and information systems will be presented. Not recommended for students who have completed an introductory course in computer applications.(Cross-list PUBA 330)

BUSA 332 Contemporary Business Issues (3)
This course provides an overview of contemporary business issues and examines how business organizations interact with society and the larger business environment. Topics to be examined include the role of business in American society, the stakeholder model, social responsibilities of business, business and government, and issues management.

BUSA 338 Commercial Insurance (3)
Pre: Completion of or concurrent enrollment in BUSA 308. The objective of this course is to examine the principles and basic concepts of commercial lines property and casualty insurance. The primary emphasis will be on the property and liability loss exposures faced by most organizations and the corresponding types of insurance for covering those loss exposures. We will also overview other risk financing plans.

BUSA 345 Management Information Systems (3)
Pre: ICS 101 or equivalent course work. Students will learn how the continual changes in technology affect all levels of an organization including operational, tactical and strategic. Topics include: systems development cycle, enterprise databases, electronic commerce, electronic business, networking technology and applications, and managerial decision-making and reporting, using technology.

BUSA 350 Managing Change in Organizations (3)
Pre: Placement in ENG 100 or concurrent enrollment in ENG 22.
This course will focus on making organizational change the centerpiece, as other topics to include organizational theory and design, organizational culture and change, and the recent trends in real-world managing techniques are also examined. (Cross-list MGT 350)

BUSA 351 Human Resources Administration (3)
This course provides a general survey of theories and contemporary practices in the process of public and private personnel administration. In addition to topics such as recruitment and placement, training and development, compensation and performance appraisal, this course will also focus on techniques for motivation, productivity, and creativity associated with individual and organizational effectiveness. (Cross-list PUBA 351)

BUSA 355 Labor-Management Relations (3)
Pre: BUSA 300. Study of labor-management relations: the history, organization, and relationship to the administrative process. Primary focus is on labor-management relations in the private sector, but course will also cover the basic factors which distinguish private from public employment relations. Specific consideration given to current problems on the mainland and in Hawai’i. (Cross-list PUBA 355)

BUSA 364 Retailing Management (3)
Pre: BUSA 300. Principles, functions, and analyses of problems in retailing: location and layout, merchandise planning, buying and selling, organization, expense analysis and control, coordination of store activities.

BUSA 370 Global External Environment (3)
Pre: ENG 100 or concurrent enrollment in ENG 22. This course will examine the impact of the non-business environment (country and political risk) on foreign direct investment and international trade decisions. Students will learn to assess the impact of ethnic tensions, terrorism, political instability, corruption, and other risk factors on business operations. An emphasis will be placed on understanding the relationship between socioeconomic factors and global business. (Cross-list MGT 370)
BUSA 376 International Business Management (3)
Analysis of cultural, political, social, and economic aspects of doing business abroad. Theories of international trade, international transfer of technology, global business strategy, and foreign investment. Examination of contemporary international management issues.

BUSA 386 Global Management and Organizational Behavior (3)
Analysis of theories and concepts underlying domestic and global organizations including behavioral and personnel issues. Emphasis on leadership, teamwork, and cultural differences, particularly in the Asian-Pacific region.

BUSA 408 International Marketing (3)
Pre: BUSA 300.
This course focuses on the opportunities, problems, and decisions facing managers of international marketing. It considers the full range of international marketing involvement from the exporter to the multinational firm.

BUSA 409 Hospitality and Tourism Marketing (3)
Pre: BUSA 300.
This course focuses on the development of marketing strategies in the travel and hospitality industry. Topics covered will be integrated marketing communications, market research, sales and public relations.

BUSA 410 IT Project Management (3)
Pre: BUSA 345 or a 300-level CENT or ITS course.
This course exposes the student to and provides the opportunity for students to practice the application and integration of the project management body of knowledge (PMBOK) areas to managing information technology (IT) projects. The primary focus of this course is on project management principles associated with managing an IT project's goal, scope, schedule, and budget. Some additional topics that will be covered include quality, risk and knowledge management as well as software tools that support the activities associated with project management. (Cross-list CENT/ITS 410).

BUSA 412 Futures and Options (3)
Pre: ACC 201.
This course provides the foundation for understanding the price and risk management of derivative securities. The course starts with simple derivatives (e.g., forwards and futures) and develops the concept of arbitrage-free pricing and hedging. This course is designed to provide an understanding of options, futures, forwards, and the use of these instruments in managing business and financial risks. The use of derivative instruments in speculation, hedging, and arbitrage will also be emphasized. (Cross-list FIN 412)

BUSA 414 Governmental Accounting (3)
Pre: BUSA 312.
Concepts and principles for not-for-profit entities with emphasis on governmental units. Introduction to the fundamentals of fund accounting and financial reporting for state and local government.

BUSA 415 Auditing (3)
Pre: BUSA 313.
Discussion of auditing concepts, including standards, objectives and ethics for external auditors. Emphasis on reporting standards, internal control, evidence, statistical sampling, and EDP audits.

BUSA 416 Accounting Information Systems (3)
Pre: BUSA 312.
Introduction of the basic theoretical, conceptual, and practical aspects of the accounting information system (AIS). The course will emphasize the design, use, management, audit, and maintenance of such systems, including the latest developments. The course includes hands-on microcomputer spreadsheet and general ledger and associated computer applications.

BUSA 418 Advanced Accounting (3)
Pre: BUSA 313.
Advanced accounting topics include business acquisition and combinations, consolidations, consolidating worksheets and consolidating financial statements. Also included are accounting for partnerships, intercompany transactions, and foreign currency translation.

BUSA 419 Corporate and Partnership Tax (3)
Pre: BUSA 319.
An introduction to the federal income tax structure as it applies to corporations and partnerships. The major focus will be upon the conceptual and legal underpinnings of the Internal Revenue Code.

BUSA 422 International Financial Management (3)
Pre: BUSA 321.
Financial decision-making in an international setting: analysis of direct foreign investment; economic, accounting and regulatory environments, including taxation; international money and capital markets; import and export financing; multinational working capital management, and risk aspects of international finance.

BUSA 427 Topics and Cases in Business Finance (3)
Pre: BUSA 321.
Application of financial principles and analytical techniques to financial problems and developments. Lecture, discussions and case methods will be utilized.

**BUSA 428 Enterprise Risk Management (3)**
Pre: Completion of or concurrent enrollment in BUSA 308.
This course examines how corporations approach the problem of dealing with risks in today’s complex marketplace. Emphasis is given to the economic impact of losses on the firm, and alternative methods of dealing with managing and financing risk. Methods include loss prevention, risk retention, self-insurance, insurance purchasing, and risk financing techniques available through the capital markets. We also discuss today’s global marketplace and the risks faced by multinational firms.

**BUSA 432 Forecasting and Risk Management (3)**
Pre: BUSA 320 or SSCI 210 or equivalent.
Analysis of time series data for forecasting and risk management. Forecasts for smoothing, decomposition, multiple regression, Box Jenkins, auto-correlation, moving average, auto-regression. Comparison and selection of suitable forecasting methods for a given application. Use of computer packages. (Cross-list ECON 432)

**BUSA 435 Strategic Management (3)**
Pre: BUSA 300 and BUSA 321.
Business policy development and implementation. Analysis of external and internal forces that influence a course of action. Consequences of proactive and reactive policies in organizations in a competitive global marketplace, and implications for management.

**BUSA 439 Estate and Gift Taxation (3)**
Pre: BUSA 319 with a grade of "C-" or better.
This course is a survey of the Federal wealth transfer tax system. Topics include computation of the gift tax and the estate tax, and gift and estate compliance requirements.

**BUSA 460 Environmental Policy Planning and Administration (3)**
This course will focus on the organization of government agencies in the formation and implementation of public policy on environmental issues. Assessment questions, laws and regulation, and the role of public participation will be covered. This course will also cover environmental management as it relates to both the private and public sector. (Cross-list PUBA 460)

**BUSA 461 International Trade and Finance (3)**
Pre: ECON 301 and one of these 3 courses: ECON 300, ECON 340 or BUSA/FIN 307.
This course will survey the theory of international trade and finance, gains from specialization and exchange and the impact of trade restrictions such as tariffs and quotas. Also monetary aspects of international economics, optimum reserves, exchange rates, balance of payments and capital movements. (Cross-list ECON/FIN 461) (DS)

**BUSA 462 Disaster Recovery & Business Continuation (3)**
This course is intended for novices in business continuity and disaster recovery planning. Topics include business continuity planning; recovery of information and communication systems; the purpose, goals, and objectives of plan development; and initial response to catastrophic events. (Cross-list PUBA 462)

**BUSA 476 Health Care Marketing (3)**
This course introduces students to methods and models for the analysis, evaluation, and implementation of marketing strategies within the health care environment. Designed to develop skills in segmenting customer and health care markets, brand products and services, enhance a communication strategy to the consumer, and develop pricing approaches. (Cross-list PUBA 476)

**BUSA 479 Principles of Public Relations (3)**
This course will examine the role of public relations in society, the activities of public relations, what influences organizational behavior, and ethics of individuals in the private and public sector.

**BUSA 480 Organizational Behavior (3)**
Pre: ENG 100.
The focus of this course is on the impact of the organizational and industrial environment on the personality of the individual. Course content includes a survey of the factors involved in industry and organizational life such as job analysis; selection; training; motivation; worker satisfaction; and styles of leadership. (Cross-list PSY/PUBA 480)

**BUSA 481 Ethics and Administration (3)**
Consideration of the ethical problems that face administrators in the public and private sectors from a theoretical point of view and in application to particular cases. Such issues as corporate responsibility to communities; shareholders and competitors; bribery; honesty; racialism; ecology; and false or misleading advertising will be discussed. (Cross-list PHIL/PUBA 481)
BUSA 486 (alpha) Senior Project (v)
Pre: Consent of instructor and one class of upper division writing-intensive (WI) course work.
With assistance from an advisor, students will complete a project based on original or library research related to a particular problem or issue in the chosen field of study. Students will share the results of this learning process with peers and will assist each other in refining communication skills, developing research and information retrieval techniques, and other research-related competencies. A: Accounting; B: General Business; F: Finance; L: Management; M: Marketing.

BUSA 490 (alpha) Administrative Practicum (v)
Pre: Consent of instructor and one class of upper division writing-intensive (WI) course work.
This is a field exercise course. Students are provided internships in either business, education, or government. As an intern, the student is delegated the responsibility of developing the solution to some problem, or asked to complete a relevant or characteristic task. Students report on their experience using their understanding of administrative theory and practice. Note: Students participating in Practicum must sign the UHWO Assumption of Risk and Release Form. This form must be completed and returned to instructor prior to beginning this off-campus activity. A: Accounting; B: General Business; F: Finance; L: Management; M: Marketing.

BUSA 491 Entrepreneurial Service Learning (3)
Pre: ECON 130 or ECON 131
Students will design and implement economically focused projects for middle and high school students that demonstrate how the free enterprise system and entrepreneurship functions in our economic system. Students will be given an opportunity to implement these projects in an educational environment within the schools in the communities surrounding UHWO. This course will allow students to learn about the free enterprise system in a real or simulated working environment. This course will challenge students to use the knowledge they have obtained in the classroom to improve their surrounding communities. In addition, students may help mentor at risk students or budding entrepreneurs get their plans off the ground. (Cross-list ECON/FIN 491)

BUSA 494 Small Business Institute Supervised Field Study (3)
The purpose of this course is to provide assistance to a select business. A binding non-disclosure agreement is required. As part of a consulting team, participants identify significant problems, analyze them, compare options, and make specific recommendations for improvement. Team develops a written report and oral presentation. Pre: Senior standing, successful completion of all required Business Administration courses with a grade of B or better, and approval by a faculty committee. Note: Students participating in Practicum must sign the UHWO Assumption of Risk and Release Form. This form must be completed and returned to instructor prior to beginning this off-campus activity.

BUSA -96 Selected Topics in Business Administration (v 1-6)
Topics will vary with program relevancy and student interest. May be repeated for credit

BUSA -99 Directed Reading and Research (v)
Pre: Instructor approval.
To be arranged with instructor.

CHEMISTRY

CHEM 100 Chemistry and Society (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Coreq: CHEM 100L.
Introduction to chemistry for non-science majors. Discussion of basic chemistry concepts and their application to everyday life. Emphasis is on forensic perspective and critical thinking. (DP)

CHEM 100L Chemistry and Society Lab (1)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Coreq: CHEM 100.
This course and its laboratory will introduce basic principles of chemistry and their impact on modern society and environment. It is designed for non-science majors and therefore presented from a simplified chemical viewpoint. Emphasis will be on everyday phenomena and local Hawaiian issues. However, examples from other places and other sciences (environment science and forensics, etc.) will add depth of the understanding of scientific issues at global context. (DY)

CHEM 131 Preparation for General Chemistry (3)
Pre: Placement in ENG 100 or concurrent enrollment in ENG 22 or consent.
This course and its laboratory will introduce basic principles of chemistry and their impact on modern society and environment. It is designed for non-science majors and therefore presented from a simplified chemical viewpoint. Emphasis will be on everyday phenomena and local Hawaiian issues. However, examples from other places and other sciences (environment science and forensics, etc.) will add depth of the understanding of scientific issues at global context. (DP)
CHEM 161 General Chemistry I (3)  
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.  
Co-req: CHEM 161L.  
This course will provide an introduction to the discipline of chemistry. It will deal with the basic principles of chemistry including: stoichiometry, solution phase chemistry, thermodynamics, atomic structure, chemical bonding, molecular structure, and gas phase chemistry. (DP)

CHEM 161L General Chemistry Lab I (1)  
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.  
Co-req: CHEM 161.  
This course will consist of laboratory experiments introducing techniques and fundamental principles of chemistry. (DY)

CHEM 162 General Chemistry II (3)  
Pre: CHEM 161 with a C or better  
Coreq: CHEM 162L  
This course is an introduction to principles of chemistry. It deals with solutions, chemical kinetics, chemical equilibrium (gas-phase, acid-phase, and solubility), thermodynamics, and electrochemistry. (DP)

CHEM 162L General Chemistry Lab II (1)  
Pre: CHEM 161 with a C or better  
Coreq: CHEM 162  
This laboratory course introduces students to techniques of qualitative and quantitative measurements, preparation of laboratory report and concepts of laboratory safety. (DY)

CHEM 272 Organic Chemistry I (3)  
Pre: A grade of C or better in CHEM 162.  
Co-req: CHEM 272L.  
Molecular structure, nomenclature, stereochemistry, reactions and mechanisms, synthesis of organic compounds. (DP)

CHEM 272L Organic Chemistry I Lab (2)  
Pre: A grade of C or better in CHEM 162L.  
Co-req: CHEM 272.  
Techniques, synthesis, qualitative organic analysis and applications of spectroscopy. (DY)

CHEM 273 Organic Chemistry II (3)  
Pre: A grade of C or better in CHEM 272.  
Co-req: CHEM 273L.  
This course is a continuation of CHEM 272. Molecular structure, nomenclature, stereochemistry, reactions and mechanisms, synthesis of organic compounds. (DP)

CHEM 273L Organic Chemistry II Lab (1)  
Pre: A grade of C or better in CHEM 272L.  
Co-req: CHEM 273.  
Techniques, synthesis, qualitative organic analysis and applications for spectroscopy. (DY)

CHEM -99 Directed Reading and Research (v)  
Pre: Instructor approval.  
To be arranged with instructor.

COMPUTING, ELECTRONICS, AND NETWORKING TECHNOLOGY

CENT 305 Information Systems Security (3)  
Pre: CENT 228 System Administration & TCP/IP with Linux, CENT 270 Network Operating System I, or equivalent course work or experience.  
This course introduces the fundamental concepts of security as applied to information systems. Topics include developing security policies, host-based security, network security, security software tools, layered security and the use of security devices on the network such as firewalls and packet filters. Intrusion detection, incident handling, and legal, ethical, and professional issues are also covered.

CENT 410 IT Project Management (3)  
Pre: BUSA 345 or a 300-level CENT or ITS course.  
This course exposes the student to and provides the opportunity for students to practice the application and integration of the project management body of knowledge (PMBOK) areas to managing information technology (IT) projects. The primary focus of this course is on project management principles associated with managing an IT project’s goal, scope, schedule, and budget. Some additional topics that will be covered include quality, risk and knowledge management as well as software tools that support the activities associated with project management. (Cross-list BUSA/ITS 410).

CREATIVE MEDIA

CM 300 Creative Professionals (3)  
Pre: ART 112 and ENG 100.  
This project-based course focuses on the independent creative professional as producer, self-promoter, and monetizer of his/her product. Skill development includes preparation of professional materials such as resume, cover letter, portfolio, website, social media site.

CM 314 Music, Sound and Media (3)  
Pre: ENG 100; or instructor consent.  
This course focuses on the history and practice of the integration of music and sound with speech and image in
creative media. Students learn historical precedents, expand their music vocabulary, and develop an ability to select an appropriate music track for various creative media projects. (Cross-list MUS 314)

**CM 320 (alpha) Topics in Creative Producing (3)**
Pre: ENG 100.
This course addresses various aspects of creative media production processes. Topics include a) representations of film/TV productions; b) art of "the pitch"; and c) documentary film research and development. Repeatable with a different alpha.

**CM 385 Game Design and Development (3)**
Pre: ART 112 with a grade of C or better, or the consent of the instructor.
This course provides an introduction to video game design and development. Students form interdisciplinary teams to design, build and demonstrate video games or related interactive entertainment environments and applications. Topics covered will focus on emerging computer science techniques that are relevant to the development of these types of environments.

**CM 390 (alpha) Creative Media Internship (3)**
Pre: Admission into Humanities Creative Media Concentration; or instructor consent.
Humanities Creative Media students will apply existing knowledge and gain new skills as they engage with the UHWO community through an internship with one of the following campus entities: A) The Center for Labor Education and Research, B) UHWO Public Relations, C) 'Ulu'ulu: The Henry Ku'ualoha Giugni Moving Image Archive of Hawai'i. Repeatable with a different alpha.

**CM 400 (alpha) Creative Media Master Class (3)**
Pre: ART 112 and ENG 100.
Taught by a visiting artist or practitioner, this course provides students with an advanced workshop in a creative media technique or skill-set. Possible topics include A: Advanced Screenwriting; and B: Stop-Motion Animation.

**CM 490 Creative Media Practicum (3)**
Pre: Admission into the Humanities Creative Media Concentration.
This course provides practical work experience in Creative Media where students will apply their classroom lab knowledge and develop job competencies. Students will be placed in an internship of at least 120 hours. Generally, this internship will take place in a facility on Oahu. In some cases it can be on another island or the mainland. Positions may also be offered on the UHWO campus. This class will allow students to experience production in a real-world situation.

**EARLY CHILDHOOD EDUCATION**
Note: The following set of core Early Childhood Education course work, or equivalents, is required as program prerequisites prior to taking any 300- or 400-level ECED course work:
ED 105 Introduction to Early Childhood Education
ED 110 Developmentally Appropriate Practice
ED 131 Early Childhood Development: Theory into Practice
ED 140 Guiding Young Children in Group Settings
ED 151 & 191v/190 Practicum in Early Childhood Education
ED 115 or 215 Health, Safety, and Nutrition for the Young Child (Healthy Young Children)
ED 245/FAMR 235 Child, Family and Community
ED 263 Language and Creative Expression Curriculum
ED 264 Inquiry and Physical Curriculum
ED 296C/P & 291v Field Experience in Early Childhood Education
Some courses may require only certain program prerequisites be completed. Please consult with the ECE faculty (Dr. Susan Matoba Adler, email: adlers@hawaii.edu; or Dr. Jeanne Iorio, email: iorio@hawaii.edu) for specific prerequisites for each course.

**ECED 320 Issues, Trends and Leadership in Early Childhood Education (3)**
Pre: Required ECED core courses at the lower division.
This course includes the study and discussion of topics related to contemporary issues and trends that influence early childhood programs and policies. Students will build leadership skills, explore professional and ethical standards, and become informed advocates for young children and their families.

**ECED 340 Communication and Relationships in Early Childhood Education (3)**
Pre: Required ECED core courses at the lower division.
This course explores social and cultural influences that impact relationships and communication in early childhood settings. Students will analyze skills and strategies for maintaining positive relationships with children, staff, and families and for dealing with challenging behaviors. Students will examine multicultural education and reflect on their relationships with children and families from diverse backgrounds.

**ECED 401 Curricular Models in Early Childhood Education (3)**
Pre: Required ECED core courses at the lower division.
This course explores a variety of curricular models in early childhood education. Curricular models and early childhood programs develop in historical contexts and reflect a variety of theoretical orientations. Students will
critique program models such as: The Project Approach, High Scope, Reggio Emilia, Behavior Analysis, Bank Street, Montessori, Waldorf Education, Head Start, and Culturally Relevant, Multicultural/Anti-Bias models.

ECED 402 Emergent Literacy in the Home, School and Community (3)
Pre: Required ECED core courses at the lower division. This course examines the theoretical foundations of emergent literacy and learning activities designed to enhance literacy development of young children. Students will analyze the relationships among emergent reading and writing, and the development of speaking and listening skills. Students will investigate how emergent literacy evolves for all children and how culturally sensitive home-school relationships can enhance literacy awareness.

ECED 420 Administration and Supervision of Early Childhood Programs (3)
Pre: Required ECED core courses at the lower division. This course addresses principles of leadership and effective program management. Students will analyze topics such as: personnel selection and training, budget and finance, regulations, accreditation, professional ethics, program assessment, staff performance evaluation, and community relationships for early childhood administrators.

ECED 440 Instruction and Assessment in Early Childhood Education (3)
Pre: ECED 320, 340, 401, 402, and 420; or equivalent. This course examines the relationships between instruction and student assessment and the decision-making process for creating effective curriculum for preschoolers. Students will demonstrate the use of student observation; developmental assessment tools; authentic assessment; integration of culturally relevant content into curricular planning; and self-reflection of early childhood knowledge and pedagogy.

ECED -96 Selected Topics in Early Childhood Education (v 1-6)
Topics will vary with student interest and relevancy to the program. May be repeated for credit.

ECED -99 Directed Reading and Research (v)
Pre: Instructor approval.
To be arranged with the instructor.

ECONOMICS

ECON 130 Principles of Microeconomics (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.

Examination of the decision-making process of households and firms. Analysis of the functioning of market systems, using supply and demand models. This analysis includes both input and output models. Additional topics include the role of government in a market system, and the effects of competitive strategy. (DS)

ECON 131 Principles of Macroeconomics (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Examination of the workings of the overall economy from a national perspective. Topics include the determination of national income; causes and effects of inflation; unemployment and income inequality; causes and consequences of international differences in economic growth; analysis of business cycles; and role of government policy in stabilizing the economy. Additional topics include taxation, budgets, and trade. (DS)

ECON 300 Intermediate Macroeconomic Theory (3)
Pre: ECON 131 or equivalent.
National income accounts and determination, Keynesian multiplier analysis, IS-LM model, national economic policy to combat unemployment and inflation. (DS)

ECON 301 Intermediate Microeconomic Theory (3)
Pre: ECON 130 or equivalent.
Price determination and resource allocation under various market structures, consumer theory, theory of the firm, externalities. (DS)

ECON 311 Hawai‘i’s Economy (3)
Pre: Introductory economics class or ECON 130 or 310; and MATH 103 or higher level math.
Application of economic and statistical concepts for business decisions. Topics include demand and supply analysis, production, case analysis, forecasting, technological change, capital budgeting, input output analysis, and computer techniques for business problems.

ECON 311 Hawai’i’s Economy (3)
Pre: Introductory economics class or ECON 130 or 310; and MATH 103 or higher level math.
Application of economic and statistical concepts for business decisions. Topics include demand and supply analysis, production, case analysis, forecasting, technological change, capital budgeting, input output analysis, and computer techniques for business problems.

ECON 321 Business Finance (3)
Pre: ACC 201 and ACC 202 or equivalent; and BUSA 320 or equivalent.
Introduction to the theory and practice of financial management: analysis and decision making for asset management, capital budgeting, and capital structure. (Cross-list BUSA 321)
ECON 322 Money and Capital Markets (3)  
Pre: ECON 130 and ECON 131 or equivalent courses.  
This course will look at the major types of financial institutions and financial instruments such as stocks, securities, and mortgages. It will look at how and why the system of money and capital markets exists and how it is changing. Also, it will provide an explanation of how interest rates and security values are determined and used. Further, it will discuss the current and future trend of the globalization of the financial markets. (Cross-list BUSA/FIN 322)

ECON 340 Money and Banking (3)  
Nature and role of money; money creation; commercial banking and financial intermediaries; role of central banks and monetary policy; international aspects of monetary problems.

ECON 342 History of Economic Thought (3)  
Pre: ECON 130 and one of these 3 courses: ECON 131, HIST 151 or HIST 152.  
This course introduces major western economic theorists and ideas since around the 1700s and considers the history of views on work, poverty, the market and government, and the relationship of those doctrines to society, philosophy, and public policy. (Cross-list HIST 342)

ECON 358 Environmental Economics (3)  
Pre: ECON 131 or equivalent course.  
Economic analysis of environmental issues. Questions addressed are: How much pollution is too much? Can government solve the pollution problem? Can incentives be used to affect the amount of pollution? How can global issues be resolved?

ECON 396 Contemporary Economic Issues (3)  
Pre: ECON 130 or 131.  
Explores the relevance of economic principles to such current economic problems as inflation, unemployment, balance of payments, energy crisis, distribution of income, discrimination, and other topics of current interest. Approach will be analytical, with the student posing and analyzing problems using economic concepts.

ECON 410 Economic Development (3)  
Pre: ECON 300 and ECON 301.  
Problems of contemporary economically less-developed countries; agricultural employment and urbanization/industrialization, savings and investment, foreign sector, population growth, strategies for development. (DS)

ECON 432 Forecasting and Risk Management (3)  
Pre: BUSA 320 or SSCI 210 or equivalent.  
Analysis of time series data for forecasting and risk management. Forecasts for smoothing, decomposition, multiple regression, Box Jenkins, auto-correlation, moving average, auto-regression. Comparison and selection of suitable forecasting methods for a given application. Use of computer packages. (Cross-list BUSA 432)

ECON 461 International Trade and Finance (3)  
Pre: ECON 301 and one of these three courses: ECON 300, ECON 340, or BUSA/FIN 307.  
This course will survey the theory of international trade and finance, gains from specialization and exchange and the impact of trade restrictions such as tariffs and quotas. Also monetary aspects of international economics, optimum reserves, exchange rates, balance of payments and capital movements. (Cross-list BUSA/FIN 461) (DS)

ECON 491 Entrepreneurial Service Learning (3)  
Pre: ECON 130 or ECON 131  
Students will design and implement economically focused projects for middle and high school students that demonstrate how the free enterprise system and entrepreneurship functions in our economic system. Students will be given an opportunity to implement these projects in an educational environment within the schools in the communities surrounding UHWO. This course will allow students to learn about the free enterprise system in a real or simulated working environment. This course will challenge students to use the knowledge they have obtained in the classroom to improve their surrounding communities. In addition, students may help mentor at risk students or budding entrepreneurs get their plans off the ground. (Cross-list BUSA/FIN 491)

ECON 495 Urban Economics (3)  
Pre: ECON 301.  
Residential and industrial location, land and housing markets, effects of zoning, social problems of an urban economy, and urban administration; focus on State of Hawai‘i and City and County of Honolulu. (DS)

ECON -96 Selected Topics in Economics (v 1-6)  
Topics selected will vary, emphasis on relevancy and application of theory and analysis to problem solving. Examples: natural resource economics, law and economics, women and the economy, economics of information, and cost-benefit analysis. May be repeated for credit.

ECON -99 Directed Reading and Research (v)  
Pre: Instructor approval.
Individual projects in various fields. To be arranged with the instructor.

**EDUCATION**

EDUC 410 Reading and Writing Across the Curriculum (3)  
Pre: Completion of Middle-level or Secondary Block 1 with no grade lower than “C” in all courses.  
Coreq: EDML 428 (English) and EDML 440; or, EDML 448 (Social Studies) and EDML 440; or EDSE 428 (English) and EDSE 440; or EDSE 448 (Social Studies) and EDSE 440.  
Explores teaching and literacy learning (reading and writing) across curricular content areas, in grades 6-12, with emphasis on developmentally appropriate and culturally responsive pedagogy. This course is designed for middle-level and secondary education majors. Restricted to major.

EDUC 495 Action Research (3)  
Pre: Instructor approval.  
This course introduces the theoretical and practical dimensions of school-based action research on topics related to curriculum, instruction, and learning; students conduct an action research project; intended for in-service teachers and preservice teacher candidates.

EDUC -96 Selected Topics in Education (v 1-6)  
Topics will vary with student interest and relevancy to the program. May be repeated for credit.

EDUC -99 Directed Reading and Research (v)  
Pre: Instructor approval. To be arranged with instructor.

**EDUCATION: ELEMENTARY**

EDEE courses are restricted to Education majors.  
*Note: Approval of the Application for the Professional Teacher Education (APTE) is required for enrollment into the 400-level Elementary Education courses. Requirements include: passing scores on the Praxis I; completion of a minimum of 45 credits; and a minimum 2.5 cumulative (overall) GPA; fingerprinting and background check completed by Hawai‘i Department of Education. Additionally, minimum grades of C or better in the following courses: EDEF 200, 201, 310, MATH 111 and C- or better in ENG 200, PSY 340, PSY 342, and SP 151.

EDEE 300 Service Learning (v 1-3)  
Pre: Sophomore or higher level standing; EDEE 200 and 201 (or concurrent enrollment).  
In this field-based course, students participate in a minimum of 45 hours (per credit hour) of volunteer work, utilizing cultural and scientific community resources, which in turn provide the contexts for understanding the impact of educational initiatives in a global society. Students gain valuable, first-hand experience with contemporary issues in education, within the context of service to the local community.

EDEE 324 Health, Physical Education and Movement (3)  
Pre: Completion of EDEE 310 with a “C” or higher grade or concurrent enrollment.  
Provides experiences for elementary teacher candidates to create interactive learning opportunities for children, as they develop personal and social responsibility for a healthy lifestyle. Emphasis is placed on integrating concepts of health, physical education, and movement across all subject areas in the elementary school curriculum. Focus on National and Hawai‘i Health Education Standards.

EDEE 325 Creative and Performing Arts (3)  
Pre: Completion of EDEE 310 with a “C” or higher grade or concurrent enrollment.  
An invitation to engage with creative and performing works of art, revealing the possibilities of imagination within education. Through experiences with creativity, conventional understandings can be expanded, offering new perspectives and alternatives to everyday learning. Developing creative rituals, experiencing various arts, and conversing critically will encompass the overall structure of the course.

EDEE 422 Reading Methods (3)  
Pre: APTE approval*; prior or concurrent enrollment in ENG 383 or any 200-level or higher children’s literature course.  
Coreq: EDEE 424 and EDEE 426.  
This course in elementary school reading methods focuses on teaching and learning to read in grades K-6. The purpose is to enable teacher candidates to become thoughtful, creative, and effective teachers, through focused inquiry, investigations, and collaborations, all within the context of planning and implementing a student-centered reading curriculum.

EDEE 424 Language Arts Methods (3)  
Pre: APTE approval*; Prior or concurrent enrollment in ENG 383 or any 200-level or higher children’s literature course  
Coreq: EDEE 424 and EDEE 426.  
This course in elementary school language arts methods focuses on teaching and learning the English language arts in grades K-6. The purpose is to enable teacher candidates to become thoughtful, creative, and effective teachers, through focused inquiry, investigations, and collaborations, all within the context of planning and
implementing a student-centered language arts curriculum.

EDEE 426 Block 1 Practicum with Seminar (3)
Pre: APTE approval*; prior or concurrent enrollment ENG 383
Coreq: EDEE 422 and EDEE 424
Block 1 Practicum with Seminar focuses on developmentally appropriate and culturally relevant pedagogy, K-6. Teacher candidates complete 45 hours of supervised practicum in an elementary school classroom, where they put into practice methods and materials that have been studied in their on-campus reading and language arts courses. During the embedded seminar, special attention is given to issues related to curriculum and instruction, classroom management, assessment, and home/school/community relations.

EDEE 442 Social Studies Methods (3)
Pre: Completion of Block 1 courses with a grade of C or higher in all courses.
Coreq: EDEF 444 and EDEE 446.
This course in elementary school social studies methods focuses on teaching and learning social studies in grades K-6. The purpose is to enable teacher candidates to become thoughtful, creative, and effective teachers, through focused inquiry, investigations, and collaborations, all within the context of planning and implementing a student-centered social studies curriculum.

EDEE 446 Block 2 Practicum with Seminar (3)
Pre: Completion of Block 1 courses with a grade of C or higher in all courses.
Coreq: EDEE 442 and EDEE 444.
Block 2 Practicum with Seminar focuses on developmentally appropriate and culturally relevant pedagogy, K-6. Teacher candidates complete 45 hours of supervised practicum in an elementary school classroom where they put into practice methods and materials that have been studied in their on-campus social studies and teaching culturally and linguistically diverse learner courses. During the embedded seminar, special attention is given to issues related to curriculum and instruction, classroom management, assessment, and home/school/community relations.

EDEE 462 Math Methods (3)
Pre: Completion of MATH 111 and MATH 112 with a grade of C or higher; completion of Block 1 and Block 2 courses with a grade of C or higher in all courses
Co-req: EDEE 464 and EDEE 466.
This course in elementary school mathematics methods focuses on teaching and learning math in grades K-6. The purpose is to enable teacher candidates to become thoughtful, creative, and effective teachers, through focused inquiry, investigations, and collaborations, all within the context of planning and implementing a student-centered mathematics curriculum.

EDEE 464 Science Methods (3)
Pre: Completion of MATH 111 and MATH 112 with a grade of C- or higher; completion of Block 1 and Block 2 courses with a grade of C or higher in all courses.
Co-req: EDEE 462 and EDEE 464.
Elementary school science methods focuses on teaching and learning science in grades K-6. The purpose is to enable teacher candidates to become thoughtful, creative, and effective teachers, through focused inquiry, investigations, and collaborations, all within the context of planning and implementing a standards-based science curriculum.

EDEE 466 Block 3 Practicum with Seminar (3)
Pre: Completion of MATH 111 and MATH 112 with a grade of C- or higher; completion of Block 1 and Block 2 courses with a grade of C or higher in all courses.
Co-req: EDEE 462 and EDEE 464.
Block 3 Practicum with Seminar focuses on developmentally appropriate and culturally relevant pedagogy, K-6. Teacher candidates complete 45 hours of supervised practicum in an elementary school classroom where they put into practice methods and materials that have been studied in their on-campus mathematics and science courses. During the embedded seminar, special attention is given to issues related to curriculum and instruction, classroom management, assessment, and home/school/community relations.

EDEE 490 Student Teaching (12)
Pre: Application and formal admission to the Professional Student Teaching semester
Coreq: EDEE 492 Student Teaching is a full-time, 15-week, supervised classroom experience. A gradual release of responsibility by the mentor teacher leads to a minimum of 15 days of solo teaching. Emphasis is placed on the application of best practice methods and materials learned during methods course work with practicum. Mandatory CR/NC.

EDEE 492 Student Teaching Seminar (3)
Pre: Application and formal admission to the Professional Student Teaching semester; successful completion of all field experience, practicum, and methods courses with a grade of C or higher; 2.75 or higher GPA for methods and co-requisite practicum courses; 2.5 overall GPA.
Coreq: EDEE 490 Student Teaching.
Examines current issues in education, including contemporary ethical issues; fulfills E-focus (Ethics) graduation requirement. Further study of foundations,
classroom organization and management, and
disciplinary methods applied to classroom teaching and
learning; Praxis II exam preparation; final preparation
and sharing of electronic professional portfolio.

EDEE -96 Selected Topics in Elementary Education (v 1-6)
Topics will vary with student interest and relevancy to
the program. May be repeated for credit.

EDEE -99 Directed Reading and Research (v)
Pre: Instructor approval.
To be arranged with the instructor.

EDUCATION: MIDDLE-LEVEL
EDML courses are restricted to Education majors.

EDML 428 Middle-level English Language Arts Methods
(3)
Pre: Completion of Middle-level Block 1 with no grade
lower than “C” in all courses.
Coreq: EDUC 410; and EDML 440.
Prepares teacher candidates to obtain the knowledge,
skills, and dispositions necessary to plan for
developmentally appropriate content and pedagogy
associated with teaching and learning the English
Language Arts: Listening, Speaking, Reading, Writing,
Visualizing, Visually Representing in grades 6-8.

EDML 430 Block 1 Practicum with Seminar (3)
Pre: APTE approval
Coreq: SPED 405; EDEF 444
A 45-hour supervised field experience focusing on
developmentally appropriate and culturally relevant
pedagogy for grades 6-8 English or the Social Studies.
Seminar topics include curriculum & instruction,
classroom management, assessment, and home-school
communications.

EDML 440 Block 2 Practicum with Seminar (3)
Pre: Completion of Middle-level Block 1 with no grade
lower than “C” in all courses.
Coreq: EDML 428 or 448; and EDUC 410
A 45-hour supervised field experience focusing on
developmentally appropriate and culturally relevant
pedagogy for grades 6-8 English Language Arts or the
Social Studies. Seminar topics include curriculum &
instruction, classroom management, assessment, and
home-school communications.

EDML 448 Middle-level Social Studies Methods (3)
Pre: Completion of Middle-level Block 1 with no grade
lower than “C” in all courses.
Coreq: EDUC 410 and EDML 440.
Explores various aspects of teaching and learning social
studies in the middle grades (6-8). The course considers
the values, philosophies, and politics of social studies
education in the middle school to prepare teacher
candidates to be thoughtful, creative, and critical
teachers who effectively plan and implement a student-
centered social studies curriculum.

EDML 490 Student Teaching (12)
Pre: Application and formal admission to the Professional
Student Teaching semester.
Coreq: EDML 492, Student Teaching Seminar
Student Teaching is a full-time, 15-week, supervised
classroom experience. A gradual release of responsibility
by the mentor teacher leads to a minimum of 15 days of
solo teaching. Emphasis is placed on the application of
best practice methods and materials learned during
methods course work with practicum for grades 6-8.
Mandatory CR/NC

EDML 492 Student Teaching Seminar (3)
Pre: Application and formal admission to the Professional
Student Teaching semester; successful completion of all
field experience, practicum, and methods courses with a
grade of C or higher; 2.75 or higher GPA for methods and
co-requisite practicum courses; 2.5 overall GPA.
Coreq: EDML 490 Student Teaching
Examines current issues in education, including
contemporary ethical issues. Further study of
foundations, classroom organization and management,
and disciplinary methods applied to classroom teaching
and learning; final preparation and sharing of electronic
professional portfolio

EDUCATION: SECONDARY
EDSE courses are restricted to Education majors.

EDSE 428 Secondary English Language Arts Methods (3)
Pre: Completion of Secondary Block 1 with no grade
lower than “C” in all courses.
Coreq: EDUC 410 and EDSE 440.
Prepares teacher candidates to obtain the knowledge,
skills, and dispositions necessary to plan for
developmentally appropriate content and pedagogy
associated with teaching and learning the English
Language Arts: Listening, Speaking, Reading, Writing,
Visualizing, Visually Representing in grades 6-12.

EDSE 430 Block 1 Practicum with Seminar (3)
Pre: APTE approval.
Coreq: SPED 405; and EDEF 444
A 45-hour supervised field experience focusing on
developmentally appropriate and culturally relevant
pedagogy for grades 6-12 English or the Social Studies.
Seminar topics include curriculum & instruction,
classroom management, assessment, and home-school
communications.
EDSE 440 Block 2 Practicum with Seminar (3)
Pre: Completion of Secondary Block 1 with no grade lower than “C” in all courses.
Coreq: EDSE 428 or 448; and EDUC 410
A 45-hour supervised field experience focusing on developmentally appropriate and culturally relevant pedagogy for grades 6-12 English Language Arts or the Social Studies. Seminar topics include curriculum & instruction, classroom management, assessment, and home-school communications.

EDSE 448 Secondary Social Studies Methods (3)
Pre: Completion of Secondary Block 1 with no grade lower than “C” in all courses.
Coreq: EDUC 410; EDSE 440
Explores various aspects of teaching and learning social studies in the middle grades (6-8). The course considers the values, philosophies, and politics of social studies education in the middle school to prepare teacher candidates to be thoughtful, creative, and critical teachers who effectively plan and implement a student-centered social studies curriculum.

EDSE 490 Student Teaching (12)
Pre: Application and formal admission to the Professional Student Teaching semester.
Coreq: EDSE 492, Student Teaching Seminar
Student Teaching is a full-time, 15-week, supervised classroom experience. A gradual release of responsibility by the mentor teacher leads to a minimum of 15 days of solo teaching. Emphasis is placed on the application of best practice methods and materials learned during methods course work with practicum for grades 6-12. Mandatory CR/NC

EDSE 492 Student Teaching Seminar (3)
Pre: Application and formal admission to the Professional Student Teaching semester; successful completion of all field experience, practicum, and methods courses with a grade of C or higher; 2.75 or higher GPA for methods and co-requisite practicum courses; 2.5 overall GPA.
Coreq: EDSE 490 Student Teaching
Examines current issues in education, including contemporary ethical issues. Further study of foundations, classroom organization and management, and disciplinary methods applied to classroom teaching and learning; final preparation and sharing of electronic professional portfolio

EDUCATIONAL FOUNDATIONS
EDEF courses are restricted to Education majors.

EDEF 200 Early Field Experience (1)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Coreq: EDEF 201.
45 hours of supervised field experiences that engage the pre-service teacher candidate in a Professional Development School (PDS) teaching and learning environment. Requires weekly reflections that are grounded in critical thinking about issues in teaching and learning, along with attention to the ethical standards of the teaching profession. Student must obtain liability insurance prior to attending field placement. Mandatory CR/NC.

EDEF 201 Introduction to Teaching as a Career (2)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Coreq: EDEF 200.
Introduces the teacher candidate to the process of becoming a highly qualified teacher in the State of Hawai‘i. Topics include: an overview of the Teacher Education program, K-6; an introduction to the multiple dimensions of teaching, including the “why” of teaching (entering the profession); the “who” of teaching (students), the “what” of teaching (curriculum), and the “how” of teaching (pedagogy); an initiation into the lifelong process of reflection and growth; and initial development of the Professional Portfolio.

EDEF 310 Education in American Society (3)
Pre: Sophomore or higher level standing; completion of EDEF 200 and 201 with a “C” or higher or concurrent enrollment.
This course focuses on interrelated historical, political, philosophical, and socio-cultural factors influencing education in today’s society. Teacher candidates also participate in a minimum 20 hours of volunteer work, utilizing cultural and scientific community resources, which in turn provide the contexts for understanding the impact of educational initiatives in American society.

EDEF 345 Introduction to Middle-Level/Secondary Education (3)
Pre: EDEF 200, EDEF 201; and prior or concurrent enrollment in EDEF 310.
Introduces concepts and methods related to middle-level and secondary teaching and learning, including adolescent development, identity, and middle-level/secondary pedagogy and philosophy. The course includes a field placement component where students will gain experience in a middle-level/secondary classroom.
EDEF 444 Teaching Culturally and Linguistically Diverse Learners (3)
Pre: Completion of Block 1 courses with a grade of C or higher in all courses.
Coreq: EDEE 442 and EDEE 446.
Provides an in-depth study of diversity in the educational environment and its impact on teaching and learning. Teacher candidates examine the social, political, curricular, ethical, and instructional implications for elementary classroom teachers. Attention is given to multicultural frameworks and theories; includes the senior “capstone” project.

EDUCATIONAL TECHNOLOGY
ETEC courses are restricted to Education majors.

ETEC 297 Educational Media & Technology (3)
Pre: Completion of ICS 101 with a grade of “C” or higher or consent of instructor; placement into ENG 100 or concurrent enrollment in ENG 22.
An introduction to educational media and technology theory and practice with an emphasis on meaningful integration of technology and media into a variety of face-to-face and online learning environments for diverse populations. Attention is given to practical applications and the acquisition of skills relevant to the classroom teaching and learning environment, as well as non-school settings.

ENGLISH

ENG 100 Composition I (3)
Pre: Placement into ENG 100.
This course provides composition skills for all academic writing to follow, focusing on clear descriptive writing, critical analyses of texts, and research writing. Students will produce short essays as well as a longer research project in which they must practice correct citation and documentation. They will learn to plan, outline, and edit well-organized essays with clear theses, pertinent supporting information, and correct grammar. (FW)

ENG 100T Composition I with Tutorial (5)
Pre: Placement into ENG 22 or ENG 100.
This course provides composition skills for all academic writing to follow, focusing on clear descriptive writing, critical analyses of texts, and research writing. Students will produce short essays as well as a longer research project in which they must practice correct citation and documentation. They will learn to plan, outline, and edit well-organized essays with clear theses, pertinent supporting information, and correct grammar. This course will also include grammar and punctuation skills. (FW)

ENG 200 Composition II (3)
Pre: ENG 100.
This is an intermediate composition course that will focus on outlining, organizing, revising, and editing academic essays, and students will complete a research paper that integrates primary and secondary sources.

ENG 205 Introduction to Journalism (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Practice and instruction in reporting, interviewing, and news and feature writing techniques.

ENG 209 Business Writing
Pre: ENG 100.
This intermediate composition course will provide students with argumentative, analytical, and effective communication in business writing. Students will write several short essays, reports, memos, and students will write a research paper or formal report.

ENG 240 Introduction to Literary Studies (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
This course introduces students to basic skills for interpreting fiction, poetry, drama, and film. (DL)

ENG 250 American Literature Survey (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
This course provides an overview of American literature from translation/transcriptions of pre-contact Native American oral traditions through fiction, life-writing, poetry, drama, and cinema 1500-present. (DL)

ENG 253 Survey of World Literature I (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
This course offers a broad survey of world literature written before the 16th century. Representing literary genres such as the epic and the tragedy, primary texts will be drawn from a variety of global cultures, including those of the Middle East, Europe, Asia, Africa, and the Americas. (FGA)

ENG 254 World Literature II (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
This course surveys world literature written after 1600. Texts will be drawn from a variety of global cultures, including those of the Middle East, Europe, Asia, Africa, and the Americas.
ENG 257 (alpha) Literary Themes (3)  
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.  
This course covers selected themes in literary works drawn from diverse periods and cultures. A: Crime and Mystery; B: Multi-Ethnic American Literature (this course focuses on multi-ethnic literature of the United States with an emphasis on race, gender and class. Fulfills Humanities multicultural requirement); C: Hip Hop Literature; D: World Literature in English. Other possible variations include food in literature and sports in literature. May be repeated for credit with a different topic. (DL)

ENG 260 British Literature I (800-1700) (3)  
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.  
A study of British Literature from the ninth through early eighteenth centuries. The course will include study of Old English poetry and prose in translation. The course will also concentrate on such major authors as Chaucer, Spenser, Marlowe, and early Shakespeare. Literary works will be studied in their cultural and historical context. (DL)

ENG 261 British Literature II (1700-Present) (3)  
Pre: ENG 100.  
This course treats British Literature from eighteenth centuries through the present. The course will include study of major trends, movements, genres, and authors within the context of history, society, and politics. (DL)

ENG 300(alpha) Topics in Literary Theory (3)  
Pre: ENG 100 with a “C” or higher grade.  
This variable topic course treats various methods of literary interpretation. Possible iterations include A: Postmodernism; B: Feminist Criticism; and C: Introduction to Cultural Theory; D: Structuralism & Post-Structuralism; E: Post-Colonialism; F: Expository Writing for Teachers. May be repeated for credit with a different topic. (DL)

ENG 312 Creative Writing Strategies for Teachers (3)  
Pre: ENG 200 with a C or better.  
This experiential learning course is designed to familiarize K-12 teachers with specific writing strategies for elementary or secondary classroom use. The course will cover basic literary theory/structure; analysis of poetry and creative prose; role playing of classroom writing techniques; and workshop-style discussion of the resultant creative writing, leading to extensive revisions and a finished portfolio of each student’s work. The major focus is on experiential learning which will apply directly to the classroom. (DA)

ENG 313 Introduction to Creative Writing (3)  
Pre: ENG 100.  
This course is a workshop dealing with poetry, fiction, and creative non-fiction written by students. Emphasis is on originality and structural unity based on conventional creative writing theory, with publishable writing as an end product. (DA)

ENG 317 Pidgin Creative Writing Workshop (3)  
Pre: ENG 100; and completion of or concurrent enrollment in ENG 200.  
This writing workshop course focuses on creative writing written in Hawaii Creole English, known in Hawaii as pidgin. The bulk of the course is a workshop in which writing exercises/modeling lead students to create a portfolio of original work—poetry, fiction, or non-fiction—for analysis, feedback, and revision; a significant portion of each text must be in pidgin so some facility with pidgin is required. The course is offered credit/no credit. (DA)

ENG 320 (alpha) World Literature (3)  
Pre: ENG 100.  
Selected topics in World Literature, such as European Literature, Asian Literature, Latin American Literature, and African Literature. Readings will introduce students to the style and vision of particular regions, periods, and literary movements. The course also allows a detailed examination of works by individual authors. A: Magic Realism, B: Literature of War. May be repeated for credit with a different topic. (DL)

ENG 331 (alpha) Topics in British Literature Pre-1700 (3)  
Pre: ENG 100 or concurrent enrollment; and ENG 260 and/or one literature course recommended.  
Students will focus on a particular period or theme, with at least 75% of the material from the time prior to 1700. The course will provide in-depth analysis of the literary work and its cultural context in medieval and/or Renaissance England. Works from other national literatures will be included as appropriate. A: Allegory. May be repeated for credit with a different topic. (DL)

ENG 332 (alpha) Topics in British Literature Post-1700 (3)  
Pre: ENG 100.  
Students analyze diverse examples of British literature gathered under period, theme, genre, and other foci. Variations include A: Victorian Literature; B: British Imperial Adventure; and C: British Modernism. May be repeated for credit with a different topic. (DL)
ENG 340 (alpha) Topics in American Literature Pre-1700 (3)
Pre: ENG 100.
This course treats diverse examples of later American literature gathered under period, theme, genre, and other foci. Variations may include A: The American Puritans; B: The American Captivity Narrative, and C: American Literatures of Exploration, Colonization, and Resistance, and D: Literature of the American West. May be repeated for credit with a different topic. (DL)

ENG 341 (alpha) Topics in American Literature Post-1700 (3)
Pre: ENG 100.
This course treats diverse examples of later American literature gathered under period, theme, genre, and other foci. Variations may include courses such as A: The American Renaissance, B: Fourth World Literatures of the United States, and C: 20th Century American Literature; D: Literatures of the American West. May be repeated for credit with a different topic. (DL)

ENG 360 Literature and Film (3)
Pre: ENG 100.
Literature/film adaptation is the primary subject of this course, alongside genre studies and literary treatments of the cinema. In addition to film screenings, course readings will include primary literary texts and film criticism. (DL)

ENG 361 History of Film (3)
Pre: ENG 100.
A chronological survey of the many forms and interpretations of the cinema: technological and aesthetic developments, competing movements and schools of filmmaking, and tensions between the individual director-auteur and the “culture industries” of Hollywood. Emphasizing canonical films by famous directors, the course also alerts students to alternative film historiographies. (DL)

ENG 367 (alpha) Genres and Directors (3)
Pre: ENG 100.
An examination of major film genres and the film makers who have contributed to their development. Readings and discussions will focus upon negotiations between generic convention and artistic innovation. A: Film Noir; B: The Western; C: Gangster Film; D: Science Fiction Film; E: Road Trip. May be repeated for credit with a different topic. (DL)

ENG 372 Asian American Literature (3)
Pre: ENG 100.
An examination of contemporary Asian American and Asian/Pacific American Literature. Various topics such as the treatment of the immigrant versus the national, language acquisition, and differences between Asian American and Asian/Pacific American will be covered. (DL)

ENG 380 Multicultural & Postcolonial Literatures (3)
Pre: ENG 100.
With recourse to the work of writers from around the world, this course explores the tension in literary studies between cultural diversity and political resistance. Central issues include the composition of literary canons and the role of literature in imperialism and decolonization. (DL)

ENG 383 Children’s Literature (3)
Pre: ENG 100.
This course will analyze diverse examples of children’s literature, including folk-tales, picture books, and chapter books. (DL)

ENG 386 Adolescent Literature (3)
Pre: ENG 100.
Concentrating on the novel and short fiction, this course surveys literature written for young adults. Prominent issues treated in the course include the coming-of-age story, diversity, and the relationship between adolescent literature and broad historical/social contexts such as the Enlightenment and Modernism. (DL)

ENG 402 History of the English Language (3)
Pre: ENG 200.
A study of the origins, changes, and reasons for changes in the grammar, sounds, and vocabulary of English from the beginnings of the language to modern times.

ENG 410 The Bible as Literature (3)
Pre: ENG 100.
A study of the literary genres in the Bible. The course will examine how Biblical texts represent the cultural and spiritual values of the times. The course also emphasizes the analysis of style, structure, and major themes of selections from both the Old and New Testaments. (DL)

ENG 440 (alpha) Major Author (3)
Pre: Placement in ENG 100 or concurrent enrollment in ENG 22.
Students will focus on the work of one author (or a small group of closely related authors). The course will provide an in-depth analysis of the literary and/or cinematographic work produced by the author as well as a selection of criticism about the author and studies of the author's later influence. Author may be of any national origin. A: Dante's Divine Comedy; B: Toni Morrison and Lois-Ann Yamanaka, and C: Spenser; D:
James Baldwin. May be repeated for credit with a different topic. (DL)

ENG 441 Gender and Sexuality in Literature and Film (3)  
Pre: ENG 100.  
An examination of the representation of gender roles and sexual identities in a sample of literary works and films.  (DL)

ENG 445 Shakespeare (3)  
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.  
This course will cover 6-8 Shakespeare plays. Course will focus on live performance issues and consider filmed versions and live performances (when available). The selected plays will represent various genres and different historical points in Shakespeare’s work. Course will also include selections from recent scholarship.  (DL)

ENG 456 (alpha) Topics in Literary Press Management (v 3-6)  
Pre: ENG 100, ENG 200 and one upper division WI course.  
A practicum-style course focused on various writing, programming and promotional tasks required to operate a literary press. May include researching and contracting of writers; programming literary events; promotional or social media campaigns; web/flyer graphic design; writing author bios, text summaries, book reviews, news articles, or blogs; writing grant proposals or corporate donation requests to fund events. A: Literary Arts in the Community; B: Writing for and Managing a Literary Press.  (DA)

ENG 462 (alpha) Studies in Drama (3)  
Pre: ENG 100.  
Students will focus on a particular period or theme in drama. The course will provide an in-depth analysis of the dramatic works and their cultural context. A: Ancient Drama in the Modern World; B: Opera; C: The Devil on Page, Stage and Screen; D: Opera & Musical Theatre; E: Popular Theatre; F: Drama of Ancient Greece. May be repeated for credit with a different topic.  (DL)

ENG 465 History of Theatre (3)  
Pre: ENG 100 or concurrent enrollment.  
Students will learn about the history of theatre, from its beginnings in Greece to its modern manifestations around the world. The course will provide survey of drama and its cultural context. Dramatists might include Sophocles, Euripides, Shakespeare, Moliere, Schiller, Brecht, Beckett, and Baraka, and anonymous medieval plays. Readings will include plays and theoretical essays.  (DL)

ENG 470 Literature as History (3)  
Pre: ENG 100.  
An examination of works whose popularity offers valuable insights into the historical periods in which they were written. The books will be studied for their cultural and historical importance as well as their literary merit. Among the works to be covered: F. Scott Fitzgerald, The Great Gatsby; Henry Adams, Democracy; John Steinbeck, The Grapes of Wrath. Taught primarily as a seminar.  (Cross-list HIST 470) (DH)

ENG 476 Contemporary Literature of Hawai‘i (3)  
Pre: ENG 100.  
A study of writers who either came from, or have written about, Hawai‘i. This course may begin with 19th century “sojourner literature” and will emphasize the modern writers.  (Cross-list HPST 476) (DL)

ENG 477 Polynesian and Micronesian Mythology (3)  
This class introduces students to a wide range of traditional oral literature from islands within Polynesia and Micronesia, the parts of the Pacific nearest to Hawai‘i. The literature covers traditional time periods - stories common just before European Contact, from the late 1700’s to the early 1800’s. Literature includes tales of the different gods of these islands and the creation of the universe, the islands, and man; myths of the afterlife; stories of cultural heroes like Maui and Tahaki in Polynesia; stories of the arrival of settling groups headed by certain chiefs; and more factual oral historical accounts of pre-European rulers and chiefs and battles for political control.  (Cross-list HPST 476) (DH)

ENG 478 Hawaiian Mythology II (3)  
This class is taught as a companion class to Hawaiian Mythology I (ENG 479). The class further introduces students to the range of traditional Hawaiian oral literature. These include stories and prayers involving major and local gods, family ‘aumakua (focusing on sharks), the Pele and Hi‘iaka story, Kamapua‘a (the 1860s Fornander Collection version), the Maui stories, accounts of voyaging to Kahiki, and the late period dynastic accounts of the rulers of the Kingdom of O‘ahu. The cultural setting of these stories is discussed in the context of where they took place, and of Hawaiian culture and its changes. How these stories were recorded in the 1800s and changes in them, since then, are analyzed. The background of key collectors of oral stories is also reviewed.  (Cross-list HPST 478) (DH)

ENG 479 Hawaiian Mythology I (3)  
This class is taught as a companion class to Hawaiian Mythology II (ENG 479). The class introduces students to the range of traditional Hawaiian oral literature. These include tales and prayers involving the gods, the creation
of the islands and man, stories of menehune, Pele (her arrival, and the local stories of Hawai‘i Island), Kamapua’a (the 1891 version), Ku‘ula and ‘Ai‘ai, and the late period dynastic oral accounts of rulers of the Kingdom of Hawai‘i. The cultural setting of these stories is discussed in the context of where they took place, and of Hawaiian culture and its changes. How these stories were recorded in the 1800s and changes in them, since then, are analyzed. The background of key collectors of oral stories is also reviewed. (Cross-list HPST 479) (DH)

ENG 480 Contemporary Literature of the Pacific (3)
Pre: ENG 100.
This course surveys the new emerging English literature by native South Pacific Islanders from 1960-1995. Emphasis on contemporary themes and issues in the novels, poetry, short stories, and essays from New Zealand, Papua New Guinea, Fiji and other areas. (Cross-list HPST 480) (DL)

ENG 481 Plantation Fictions (3)
Pre: ENG 100.
Literary and cinematic treatments of the American plantation experience in Hawai‘i and the continental United States. Including works by writers such as Mark Twain, Charles Chesnutt, Toni Morrison, and Milton Murayama. (DL)

ENG 490 Senior Practicum (3)
Pre: Consent of instructor, and one class of upper division writing-intensive (WI) course work.
Students are provided an internship with an appropriate community agency. As an intern, the student is delegated the responsibility of developing the solution to a well-defined problem or is asked to complete a relevant task. Students report on the experience using their understanding of the field in which they are working.

ENG 491 Senior Project (3)
Pre: Consent of instructor, and one class of upper division writing-intensive (WI) course work.
Working with an English Faculty Advisor, students will complete an original work of scholarship in the field of literary and/or cultural studies. Students will share the results of this project via a substantial thesis-oriented paper and brief oral presentation.

ENG -96 Selected Topics in English (v 1-6)
Topics selected will be based on program relevancy and student interest. Course content will vary. May be repeated for credit.

ENG -99 Directed Reading and Research (v)
Pre: Instructor approval.

FINANCE

FIN 301 Personal Finance (3)
This course focuses on the management of personal finance. Broad coverage of personal financial decisions, including basic financial planning, use of credit, purchasing an automobile and home, insurance, tax issues, investing, retirement, and estate planning. (Cross-list BUSA 301)

FIN 307 Corporate Finance (3)
Pre: ACC 201 and BUSA 321.
This course focuses on the development and analysis of modern financial theory and its implications for management decisions: time value of money, market efficiency, capital asset pricing, valuation, firm investment decisions, capital structure, dividend policy, and cost of capital. (Cross-list BUSA 307)

FIN 322 Money and Capital Markets (3)
Pre: ECON 130 and ECON 131 or equivalent courses. This course will look at the major types of financial institutions and financial instruments such as stocks, securities, and mortgages. It will look at how and why the system of money and capital markets exists and how it is changing. Also, it will provide an explanation of how interest rates and security values are determined and used. Further, it will discuss the current and future trend of the globalization of the financial markets. (Cross-list ECON 322)

FIN 412 Futures and Options (3)
Pre: ACC 201.
This course provides the foundation for understanding the price and risk management of derivative securities. The course starts with simple derivatives (e.g., forwards and futures) and develops the concept of arbitrage-free pricing and hedging. This course is designed to provide an understanding of options, futures, forwards, and the use of these instruments in managing business and financial risks. The use of derivative instruments in speculation, hedging, and arbitrage will also be emphasized. (Cross-list BUSA 412)

FIN 461 International Trade and Finance (3)
Pre: ECON 301 and one of these 3 courses: ECON 300, ECON 340 or BUSA/FIN 307.
This course will survey the theory of international trade and finance, gains from specialization and exchange and the impact of trade restrictions such as tariffs and
quotas. Also monetary aspects of international economics, optimum reserves, exchange rates, balance of payments and capital movements. (Cross-list BUSA/ECON 461)

FIN 491 Entrepreneurial Service Learning (3)  
Pre: ECON 130 or ECON 131.  
Students will design and implement economically focused projects for middle and high school students that demonstrate how the free enterprise system and entrepreneurship functions in our economic system. Students will be given an opportunity to implement these projects in an educational environment within the schools in the communities surrounding UHWO. This course will allow students to learn about the free enterprise system in a real or simulated working environment. This course will challenge students to use the knowledge they have obtained in the classroom to improve their surrounding communities. In addition, students may help mentor at risk students or budding entrepreneurs get their plans off the ground. (Cross-list BUSA/ECON 491)

FIN -96 Selected Topics in Finance (v 1-6)  
Topics selected will be based on program relevancy and student interest. Course content will vary. May be repeated for credit.

FIN -99 Directed Reading and Research (v)  
Pre: Instructor approval.  
Individual projects in various subjects. To be arranged with the instructor.

FOOD SCIENCE & HUMAN NUTRITION

FSHN 185 The Science of Human Nutrition (3)  
This course integrates concepts of science with the study of human nutrition. Course content includes what nutrients are and what they do for humans, how healthy people can obtain the nutrients they need, how people and the environment change foods and their nutrient content, and nutrition issues of current interest. This course is designed for students entering the medical professions or interested in proper nutrition.

GEOGRAPHY

GEOG 102 World Regional Geography (3)  
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.  
This course will familiarize students with the major regions of the world and their physical, cultural, economic, historical and political characteristics. A brief introduction to physical geography terms and concepts will be followed by an in-depth investigation of each of the earth’s regions and the complex web of relationships among them. (FGB)

GEOG 328 Culture and Environment (3)  
Pre: GEOG 102 or HWST 107 (HPST 201) or PACS 108 (HPST 202) or HUM/HPST 304.  
The course provides an introduction to cultural geography, the cultural landscape, and built environment. It focuses on the relationship between culture and the environment as reflected in the cultural landscape. Through this course students learn to “read” landscapes as text that represent and reproduce culture. This practical component will help students understand how our environment works to express collective values and meanings, and also to reproduce social relations. (Cross-list HPST 328) (DH)

GEOG 365 Geography of the Pacific (3)  
In this course, we will study the geography of the Pacific Islands or Oceania, a geographic realm that encompasses the regions of Melanesia, Micronesia, and Polynesia. Within this geographic realm, Hawai‘i is an integral part being strategically located at the crossroads of cultural, social, economic, and political exchanges between the East and West and its Pacific Island neighbors. (Cross-list HPST 365) (DH)

GEOG -96 Selected Topics in Geography (v 1-6)  
Topics selected will be based on program relevancy and student interest. Course content will vary. May be repeated for credit.

GEOG -99 Directed Reading and Research (v)  
Pre: Instructor approval.  
Individual projects in various subjects. To be arranged with the instructor.

GEOLOGY

GEOL 101 Dynamic Earth (3)  
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.  
The study of the natural physical environment with emphasis placed on the materials, surface features, structures, various erosional and depositional processes, the role of plate tectonics, and the effects of human use of the Earth and its resources. Prepares students for further studies in geology. (DP)

GEOL 101L Dynamic Earth Laboratory (1)  
Co-requisite: Must be taken concurrently with GEOL 101.
Laboratory to accompany GEOL 101 Dynamic Earth. Reinforces major concepts from the study of the Earth, with emphasis placed on practical experiences with earth materials (minerals and rocks), examination of models of surface features (basic techniques of topographic and geologic mapping), application of virtual tools to study plate tectonics, and other hands-on activities. (DY)

GEOL 122 Introduction to Earth Science (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
This course is designed for non-science majors and prospective elementary teachers. This course will aid students in developing meaningful and functional understanding of key earth systems and their interrelations. Topics of study will include, but are not limited to Geology, Earth History, Hydrology, Oceanography, Meteorology, and Astronomy. This course will also provide students with activities that facilitate insight into the nature of science as an intellectual activity and to help students develop more positive attitudes about science and increase their confidence in their ability to do science. (DP)

GEOL 168 Planetary Science in the Classroom (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Co-req: GEOL 168L.
This course is specifically designed for pre-service and in-service teachers. The objectives of this lecture course are to aid students in developing meaningful and functional understanding of key planetary science concepts (volcanism, impact cratering, remote sensing, etc.) and their interrelations through inquiry based, hands-on laboratory activities and investigations designed for use in K-12 classrooms; to provide students with open-ended problems solving environments that facilitate insight in the nature of science as an intellectual activity; to explore alternated conceptions of scientific phenomena; to help students develop more positive attitudes about science and increase their confidence in their ability to do science. (DY)

GEOL 168L Planetary Science in the Classroom Lab (1)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Co-req: GEOL 168.
This course is specifically designed for pre-service and in-service teachers. The objectives of this laboratory course are to aid students in developing meaningful and functional understanding of key planetary science concepts (volcanism, impact cratering, remote sensing, etc.) and their interrelations through inquiry based, hands-on laboratory activities and investigations designed for use in K-12 classrooms; to provide students with open-ended problems solving environments that facilitate insight in the nature of science as an intellectual activity; to explore alternated conceptions of scientific phenomena; to help students develop more positive attitudes about science and increase their confidence in their ability to do science. (DY)

GEOL 200 Geologic Inquiry (3)
Pre: GEOL 101 or GEOL 101/GEOL 101L with a C or better grade.
This second course in Geology focuses on the study of the Earth's history, with emphasis placed on the concepts of geologic time, the role of plate tectonics, basic evolutionary processes, dominant land and marine species of the various geologic eras, relative and absolute age, and understanding the fundamental difference between science and pseudoscience. This course prepares students for further studies in geology. (DP)

GEOL 200L Geologic Inquiry Lab (1)
Pre: GEOL 101 or GEOL 101/GEOL 101L with a C or better grade.
Co-req: GEOL 200.
The Earth History lab is designed to provide some hands-on experience with topics related to Earth History. We will focus on some specific skills, such as interpreting geologic maps, identifying fossils, and understanding age relations based on understandings of relative and absolute age. (DY)

HAWAIIAN

HAW 101 Elementary Hawaiian I (4)
This class is the introductory class in Hawaiian language. Students will begin to develop basic skills in speaking, writing, reading, and listening. Pronunciation, basic grammar, and increasing vocabulary are important elements of the class. Students will learn to have basic conversations, and they will learn how to write and read simple descriptive sentences. This will be done through reading chapters in the book linked with classroom lectures, activities, drills, and reviews. The class will be taught within the context of Hawaiian culture and history. (DH)

HAW 102 Elementary Hawaiian II (4)
Pre: HAW 101.
This class is the continuation of HAW 101 Elementary Hawaiian I. Students will continue to develop basic skills in speaking, writing, reading, and listening comprehension. Pronunciation, basic grammar, and increasing vocabulary are important elements of the class. Students will continue to learn basic conversation skills, and they will learn how to write and read more
complex descriptive sentences. This will be done through reading chapters in the book linked with classroom lectures, activities, drills and reviews. The class will be taught within the context of Hawaiian culture and history. (DH)

HAW 121 Intro to Hawaiian Conversation (1)  
This is an introductory conversation course on Hawaiian language, in which students will learn pronunciation, basic conversation patterns, and vocabulary. (DH)

HAW 201 Intermediate Hawaiian I (4)  
Pre: HAW 102.  
This class is the continuation of HAW 102. Students will continue to develop skills in speaking, writing, reading, and listening comprehension to an intermediate level, focusing on pronunciation, basic grammar, and vocabulary. Stories published in Hawaiian language newspapers and texts will be used as resource material, along with the introduction of videos and tapes of native speakers. The class will be taught within the context of Hawaiian culture and history. (DH)

HAW 202 Intermediate Hawaiian II (4)  
Pre: HAW 201.  
This class is the continuation of HAW 201. Students will continue to develop skills in speaking, writing, reading and listening comprehension. Pronunciation, basic grammar, and increasing vocabulary are important elements of this class. Traditional stories published in Hawaiian language newspapers and texts will be used as resource material, along with videos and tapes of native speakers. The class will be taught within the context of Hawaiian culture and history. (DH)

HAW 301 Third-Level Hawaiian I (3)  
Pre: HAW 202.  
This class is the continuation of HAW 202. Traditional stories published in Hawaiian language newspapers and texts will be used as resource material, along with videos and tapes of native speakers. This course is taught entirely in Hawaiian and within the context of Hawaiian culture and history. (DH)

HAW 302 Third-Level Hawaiian II (3)  
Pre: HAW 301.  
This class is the continuation of HAW 301. Students will continue to develop skills in speaking, writing, reading and listening comprehension. Pronunciation, basic grammar, and increasing vocabulary are important elements of this class. Traditional stories published in Hawaiian language newspapers and texts will be used as resource material, along with videos and tapes of native speakers. This course is taught in Hawaiian and within the context of Hawaiian culture and history. (DH)

HAW 321 Kamaʻilio Hawaiʻi (Conversational Hawaiian) (3)  
Pre: HAW 202 or instructor approval.  
This course will focus on the systematic practice of various topics for control of spoken Hawaiian.

HAW 401 Fourth-Level Hawaiian I (3)  
Pre: HAW 302 or instructor approval.  
This course requires reading, writing, and discussion of advanced Hawaiian language texts and newspapers, as well as the transcribing and translation of native speaker recordings. This course is taught in Hawaiian and within the context of Hawaiian culture and history.

HAW 402 Fourth-Level Hawaiian II (3)  
Pre: HAW 401 or instructor approval.  
This course is a continuation of HAW 401. It requires reading, writing, and discussion of advanced Hawaiian language texts and newspapers, as well as the transcribing and translation of native speaker recordings. This course is taught in Hawaiian and within the context of Hawaiian culture and history.

HAW -96 Selected Topics in Hawaiian (v 1-6)  
Topics selected will be based on program relevancy and student interest. Course content will vary. May be repeated for credit.

HAW -99 Directed Reading and Research (v)  
Pre: Instructor approval.  
Individual projects in various subjects. To be arranged with the instructor.

HAWAIIAN STUDIES

HWST 107 Hawai‘i: Center of the Pacific (3)  
This is a survey course exploring various themes in Hawaiian Studies, including origins, land use and tenure, historical perspectives, language, spirituality, art, and contemporary issues. Course will focus largely on Hawai‘i as our home land/base, but will also include relevant information and discussion on similar issues throughout Polynesia and the Pacific. (DH)

HWST -96 Selected Topics in Hawaiian (v 1-6)  
Topics selected will be based on program relevancy and student interest. Course content will vary. May be repeated for credit.

HWST -99 Directed Reading and Research (v)  
Pre: Instructor approval.  
Individual projects in various subjects. To be arranged with the instructor.
HPST 121F Slack Key Guitar (2)
Basic principles of slack key guitar performance, and relevant problems in literature. Students learn to play two G tunings. This course is intended for students with little or no background in slack key guitar playing. Ability to read music is not required. (2 hour lecture/lab). Repeatable for up to four (4) credits. (Cross-list MUS 121F) (DA)

HPST 121Z Beginning Ukulele (2)
Basic principles of ‘ukulele performance through study of Hawaiian mele and other popular songs; emphasis on practice and performance strategies. Includes exploration of basic rudiments of music, basic instrument care, and the history of the ʻukulele in Hawai‘i. Intended for students with little or no ʻukulele music experience. Repeatable for up to four (4) credits. (Cross-list MUS 121Z) (DA)

HPST 211 Introduction to Hawaiian Ensemble (2)
Pre: Able to play a guitar, ukulele or bass, and/or sing. Performance of Hawaiian music for groups of various sizes at an introductory level. Exploration of basic principles of ensemble performance and relevant problems in the literature. Students learn to play while singing. Ability to read music not required. Repeatable up to 4 credits. (Cross-list MUS 211) (DA)

HPST 212 Pa‘a Ke Kahua: Hula Foundations (3)
This is an introductory course on basic foundations of Hula (Hawaiian dance) that incorporates a survey of the history and literature of hula with the learning and performing of dances and chants. We will study hula in both its traditional and contemporary aspects. In this course, we will learn the feet movements that are foundational to hula, as well as several dances that represent the various aspects of hula that we will study. (DA)

HPST 304 Hawaiian-Pacific Traditions (3)
This class provides an introductory, multi-disciplinary overview of the cultural traditions of the native peoples of the Pacific Islands and Hawai‘i. The student will learn the location and physical nature of the major island groups. History and general cultural patterns from settlement to the present are reviewed - looking at various themes, issues, and case studies. The student will also receive introductory exposure to traditional and contemporary art, music, dance and literature. (Cross-list HUM 304) (DH)

HPST 311 Hawaiian Ensemble (2)
Pre: Must be able to sing or play an instrument; instructor approval required. (DA)

HPST 312 Kūnihi Ka Mauna: Hula Journeys (3)
Pre: HAW 101, HWST 107, or prior hula experience with consent of instructor. This course will incorporate the learning and performance of hula (Hawaiian dance) and oli (chant) with the study of origins, histories, literatures, and contemporary practices of hula. (DA)

HPST 327 Mālama ʻĀina: Land-Based Literacies (var 1-3)
Pre: HWST 107, HAW 102 or consent of instructor. Study of traditional Hawaiian cultural practices through active engagement at various work sites, such as lo‘i (wetland garden), loko iʻa (fishponds), and in other ʻāina (land) and kai (ocean) practices. These site visits will be supplemented with lectures and/or readings. (Cross-list MUS 311) (DA)

HPST 328 Culture and Environment (3)
Pre: GEOG 102 or HWST 107 or PACS 108 or HUM/HPST 304.
The course provides an introduction to cultural geography, the cultural landscape, and built environment. It focuses on the relationship between culture and the environment as reflected in the cultural landscape. Through this course students learn to “read” landscapes as text that represent and reproduce culture. This practical component will help students understand how our environment works to express collective values and meanings, and also to reproduce social relations. (Cross-list GEOG 328) (DH)

HPST 342 Indigenous Peoples and Modernity (3)
This course offers a comparative understanding of the growing importance of nations not represented by states - the indigenous peoples of the fourth world. Case studies will draw from the experience of Native Hawaiians, Native Americans, Australian Aborigines, and South African San (among others) to clarify struggles for cultural and political sovereignty, and the growing contribution of such earth-based societies to politics and cosmology beyond modernity. The goal will be to facilitate constructive discourse between indigenous peoples and the citizens of industrial nations. (Cross-list POLS 342)

HPST 365 Geography of the Pacific (3)
In this course, we will study the geography of the Pacific Islands or Oceania, a geographic realm that encompasses the regions of Melanesia, Micronesia, and Polynesia. Within this geographic realm, Hawai‘i is an integral part being strategically located at the crossroads of cultural,
social, economic, and political exchanges between the East and West and its Pacific Island neighbors. (Cross-list GEOG 365) (DH)

HPST 380 Field Archaeology: Pre-European Times (3)
Students will learn the techniques of archaeological fieldwork with a focus on the archeology of pre-European and early post-European contact times in the Hawaiian Islands and the Pacific. Lectures cover the history and settlement patterns of the lands (ahu’u’a) within the district (moku) in which the field site is located (based on archaeology, oral history and archival information), site and artifact types, archaeological field techniques, lab analyses, historic preservation laws, and case studies. Hands-on fieldwork will occur at Native Hawaiian historic sites, primarily of pre-European age, and will include mapping and excavation. (Cross-list ANTH 380)

HPST 381 Hawai’i Politics (3)
What are Hawai’i’s most urgent problems? What are their roots? What are the solutions? Pre-contact Native Hawaiian “island politics” is used as a baseline for evaluating the last 200 years of Americanization. This course offers an in-depth understanding of the basic values, institutions, and practices of government in Hawai’i, setting up a conversation between indigenous (Native) Hawaiian, European, Asian and other Polynesian voices. The course focuses on economic policy, environmental issues, and democratic participation in decision-making. (Cross-list POLS 381) (DS)

HPST 384 Hawai’i from European Contact to the Overthrow (3)
Pre: ENG 100.
Survey of the social, economic, and political history of the Islands from European contact to the overthrow of the Kingdom of Hawai’i. Emphasis is on the elements of change and continuity that have shaped the culture and history of the Islands. The contributions of the diver O’ahu se ethnic groups will be stressed. (Cross-list HIST 384)

HPST 430 Contemporary Pacific: Globalization & Change (3)
Pre: PACS 108, or HWST 107, or HPST/HUM 304 or HPST/GEOG 365.
Many of the processes happening elsewhere in the world directly affect the Pacific or Oceania despite the fact that the Pacific Islands are popularly envisioned as remote and isolated from these global activities. The course analyzes some critical issues facing Pacific Island societies today, as well as their responses to these processes. Chief among these, are discussions and debates about economic and cultural transformations induced by development and globalization. (DH)

HPST 437 Pacific Archaeology (3)
This course investigates the origins of Pacific peoples and their settlement and adaptation to the islands in Melanesia, Micronesia, and Polynesia. Evidence will be drawn from archaeological sites, artifacts, languages, and oral traditions. (Cross-list ANTH/HIST 437) (DH)

HPST 440 Kānāwai Hawai’i: Native Hawaiian Law (3)
Pre: HWST 107 or HPST/HUM 304.
This course will examine the ways in which Native Hawaiians have engaged with, and been engaged by, this thing known as “kānāwai” in Hawaiian and “law” in English. We will study traditional Hawaiian forms of law and also trace the evolution of law in Hawai’i following American and European contact. The course will include an examination of the ways that international law, as well as US federal and state legislation and judicial decisions have affected and continue to affect Native Hawaiian identity, rights, and entitlements in the modern era. (Cross-list POLS 440) (DH)

HPST 450 Pacific Islanders Diaspora Experiences (3)
Pre: HWST 107 or PACS 108 or HPST/HUM 304.
This interdisciplinary course is an overview of today’s Pacific from the perspective of its native peoples and explores the complexities of Pacific Islander American experiences. We will examine the historical relationships between the USA and Pacific Island nations, Pacific Islander migrations to the Pacific Rim countries mainly the United States including Australia and New Zealand, as other important nations in the diaspora experience of Pacific Islanders. (DH)

HPST 456 Peoples of Hawai’i (3)
An interdisciplinary course utilizing a variety of theoretical perspectives for examining the creation of Hawai’i’s multi-ethnic culture and society. Topics include the foundation provided by the indigenous culture, changes wrought by cultural contacts, demographic changes, and social movements. (Cross-list SOC 456)

HPST 461 Traditional Art of Hawai’i (3)
This class introduces students to different kinds of traditional arts in Hawai’i - kapa (bark cloth), mats, feather work, three-dimensional images, neck pendants, etc. For each type of art, lectures will review traditional examples with pictures and a discussion of manufacturing and styles. Current artists will visit the class and present basic information on art form manufacture and styles. Museum collections will also be visited. The goals of this class are: 1) to introduce students to different types of traditional arts in Hawai’i;
2) to introduce students to some of the current artists still practicing these arts; 3) to introduce students to some of the more public collections of traditional arts; and 4) to enable the student to research and learn more details about one type of art through a class research paper. (DH)

HPST 462 Traditional Art of the Pacific (3)
This class looks at different kinds of arts in the regions of Polynesia and Micronesia within the Pacific. The focus is on traditional times - just prior to European contact into early post-contact times, roughly the 1700’s to mid-1800’s. Arts reviewed will include clothing (tapa bark-cloth, woven banana-fiber cloth, flax cloth); headaddresses and ornaments of higher ranking people; house architecture, mats and containers (carved wooden boxes, plaited baskets) found within houses; three-dimensional carved religious and ancestral images; and weapons (carved spears, long clubs, hand clubs). For each type of art, lectures will discuss how they were used and made, and describe different styles of art form. Current artists may visit the class and present basic information on art form manufacture and styles. Museum collections will also be visited. The goals of this class are: 1) to introduce students to different types of traditional art forms in Polynesia and Micronesia; 2) to introduce public collections of traditional arts; and 3) to enable the student to research and learn more details about one type of art through a class research paper. (DH)

HPST 466 Contemporary Pacific: Globalization & Change (3)
Pre: PACS 108, or HWST 107, or HPST 304, or HPST 365
Many of the processes happening elsewhere in the world directly affect the Pacific or Oceania despite the fact that the Pacific Islands are popularly envisioned as remote and isolated from these global activities. The course analyzes some critical issues facing Pacific Island societies today as well as their responses to these processes. Chief among these are discussions and debates about economic and cultural transformations induced by development and globalization. (DH)

HPST 471 Polynesia Before European Contact (3)
This course is a detailed overview of Polynesian history from initial settlement to European contact, covering the spread of settlement through Polynesia and the histories of selected island groups. A multi-disciplinary approach to history is used, looking at oral historic, early historic, historical linguistic, and archaeological information. Among the islands usually studied are Tonga, Samoa, the Marquesas, the Tuamotus, Mangareva, Easter Island, the Society Islands (Tahiti), the Southern Cooks, Aotearoa (New Zealand), and the little known Chatham Islands. Among the subjects covered are the rise of the Tongan kingdom, the initial settlement of Eastern Polynesia from Samoa, the formation of stratified countries in Tahiti, Aotearoa’s smaller societies with raiding and fortifications, and Easter Island’s history with its large statues. The student will also get a more detailed knowledge of one island group through a research paper, learning basic research and writing methods. (Cross-list HIST 471) (DH)

HPST 476 Contemporary Literature of Hawai‘i (3)
Pre: ENG 100.
A study of writers who either came from, or have written about Hawai‘i. This course may begin with 19th century “sojourner literature” and will emphasize the modern writers. (Cross-list ENG 476) (DL)

HPST 477 Polynesian and Micronesian Mythology (3)
This course introduces students to a wide range of traditional oral literature from islands within Polynesia and Micronesia, the parts of the Pacific nearest to Hawai‘i. The literature covers traditional time periods - stories common just before European Contact, from the late 1700’s to the early 1800’s. Literature includes tales of the different gods of these islands and the creation of the universe, the islands, and man; myths of the afterlife; stories of cultural heroes like Maui and Tahuki in Polynesia; stories of the arrival of settling groups headed by certain chiefs; and more factual oral historical accounts of pre-European rulers and chiefs and battles for political control. (Cross-list ENG 477) (DH)

HPST 478 Hawaiian Mythology II (3)
This class is taught as a companion class to Hawaiian Mythology I (HPST 479). The class further introduces students to the range of traditional Hawaiian oral literature. These include stories and prayers involving major and local gods, family ‘aumakua (focusing on sharks), the Pele and Hi‘iaka story, Kamapua‘a (the 1860s Fornander Collection version), the Maui stories, accounts of voyaging to Kahiki, and the late period dynastic accounts of the rulers of the Kingdom of O‘ahu. The cultural setting of these stories is discussed in the context of where they took place, and of Hawaiian culture and its changes. How these stories were recorded in the 1800s and changes in them, since then, are analyzed. The background of key collectors of oral stories is also reviewed. (Cross-list ENG 478) (DH)

HPST 479 Hawaiian Mythology I (3)
This class is taught as a companion class to Hawaiian Mythology II (HPST 478). The class introduces students to the range of traditional Hawaiian oral literature. These include tales and prayers involving the gods, the creation of the islands and man, stories of menhune, Pele (her arrival, and the local stories of Hawai‘i Island),
Kamapua’a (the 1891 version), Ku’ula and ‘Ai’ai, and the late period dynastic oral accounts of rulers of the Kingdom of Hawai‘i. The cultural setting of these stories is discussed in the context of where they took place, and of Hawaiian culture and its changes. How these stories were recorded in the 1800s and changes in them, since then, are analyzed. The background of key collectors of oral stories is also reviewed. (Cross-list ENG 479) (DH)

HPST 480 Contemporary Literature of the Pacific (3)
This course surveys the new emerging English literature by native South Pacific Islanders from 1960-1995. Emphasis on contemporary themes and issues in the novels, poetry, short stories, and essays from New Zealand, Papua New Guinea, Fiji and other areas. (Cross-list ENG 480) (DL)

HPST 482 Pacific Islands (3)
European impact and native response on major island groups from exploration to annexation, independence, and trusteeship. (Cross-list HIST 482) (DH)

HPST 483 Archaeology of Hawai‘i (3)
This course will explore Hawaiian prehistory from the time of original settlement of the Islands until the arrival of Captain James Cook. Evidence will be gained from the investigation of archaeological sites, settlements, artifacts and other physical remains, and from recorded Hawaiian oral traditions. These data will be used to reconstruct ancient Hawaiian life, and ways to trace the development of Hawaiian society. (Cross-list ANTH/HIST 483) (DH)

HPST 488 Twentieth Century Hawai‘i (3)
Pre: ENG 100.
An examination of 20th century Hawai‘i emphasizing social and political developments. The formation of labor, the impact of World War II and the growth of the Democratic Party will be studied to understand the dynamics of contemporary Island life. (Cross-list HIST 488)

HPST 489 Political Conflict in the Pacific (3)
Pre: GEOG 102 or HPST/GEOG 365.
This course examines historical, social, cultural, economic and political factors producing tension and conflict in Oceania, as well as ongoing attempts at conflict resolution. Topics covered may include colonial and political developments and post-colonial arrangements, socioeconomic issues, governance, indigenous and western legal forms. The course analyzes these issues from a multidisciplinary lens. Case studies will be used to examine the themes and will integrate indigenous perspectives from the region to give a holistic analysis of these issues. (Cross-list POLS 489) (DH)

HPST 490 Senior Practicum (3)
Pre: Consent of instructor; and one class of upper division writing-intensive (WI) course work.
Students are provided an internship with an appropriate community agency. As an intern, the student is delegated the responsibility of developing a solution to a well-defined problem or is asked to complete a relevant task. Students report on the experience using their understanding of the field in which they are working and its relationship to the field of Hawaiian-Pacific Studies. Note: Students participating in practicum must sign UH West O‘ahu’s Assumption of Risk and Release form. This form must be completed prior to beginning this off-campus activity.

HPST 491 Senior Project (3)
Pre: Consent of instructor; and one class of upper division writing-intensive (WI) course work.

With assistance from an advisor, students will complete a project based on original or library research related to a particular problem or issue in the field of Hawaiian-Pacific Studies. Students will share the results of this learning process with peers and will assist each other in refining communication skills, developing research and information retrieval techniques, and other research-related competencies.

HPST 495 (alpha) Research Methods (3)
This class teaches students how to do research on Hawaiian-Pacific Studies topics (using primary sources and data) and how to present findings. Each course will focus on a specific research topic. Relevant basic sources and data and their location will be discussed, and the student will learn how to obtain information from these sources (e.g., notes, interviews, etc.). Students will conduct research on the class topic. Findings will be presented in oral and/or written formats. The course is taught primarily in a seminar format, promoting student participation. Course content will vary with the research topic, discipline of focus, and instructor. A: Hawaiian & Polynesian Warfare. May be repeated for credit towards graduation with different focus/topics. (DH)

HPST -96 Selected Topics in Hawaiian-Pacific Studies (v 1-6)
Topics selected will vary with program relevancy and student interests. May be repeated for credit.

HPST -99 Directed Reading and Research (v)
Pre: Instructor approval.
To be arranged with the instructor.
HISTORY

HIST 151 World History to 1500 (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
A global and historical survey focusing on human societies and cross-cultural interactions to 1500 C.E.
Includes historical narratives and global perspectives on human societies and cross-cultural interactions, and also ways to think about the past and use primary sources. (FGA)

HIST 152 World History since 1500 (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
A global and historical survey focusing on human societies and cross-cultural interactions since 1500 C.E.
Includes historical narratives and global perspectives on human societies and cross-cultural interactions, and also ways to think about the past and use primary sources. (FGB)

HIST 231 European Civilization, 1500-1800
Pre: Placement in ENG 100 or concurrent enrollment in ENG 22.
This lower-division survey course examines a three hundred year interval known as the early modern period of European history. Topics include religious conflict, property and crime, gender and sexuality, scientific inquiry, witchcraft, overseas settlement, and the transatlantic slave trade. Through a combination of lectures, major historical problems, issues of interpretation and historical scholarship on the period, with an emphasis on developing skills in primary-source analysis and critical thinking. (DH)

HIST 232 Modern European Civilization (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
This is a lower division survey course designed to provide an overview of the major historical events, developments, and modes of thoughts in Europe from the eighteenth century through the present. Through a combination of lectures and class discussions, students will be introduced to the major historical problems, issues of interpretation, and historical scholarship on the period, with an emphasis on developing skills in primary-source analysis and critical thinking. Topics to be addressed include the development of the nation and nationalism, scientific thought, industrialization and class conflict, imperialism, fascism, and communism, and a multitude of social struggles centered on gender, race and sexuality. (DH)

HIST 241 Civilizations of Asia (3)
Pre: placement into ENG 100 or concurrent enrollment in ENG 22.
This class is a survey of major civilizations of Asia from earliest times to 1500, and will cover East Asia, Southeast Asia, and South Asia. (DH)

HIST 281 Introduction to American History I (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
This course provides a survey of the history of the United States from the beginnings of European explorations of North America to the close of the Civil War. We will cover, among other things, the European settlement of America, Native American responses to Europeans, the British colonies in North America, the American Revolution, the development of slavery, westward movement into Native American lands and the Civil War. (DH)

HIST 282 Introduction to American History II (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
This course provides a survey of the history of the United States from the end of the Civil War to the present. The subjects covered will include Reconstruction, industrialization, immigration, urbanization, populism and progressivism, imperialism, World War I, the 1920s, the Great Depression and the New Deal, World War II, post-war politics, Korea and the Cold War, Vietnam, the Civil Rights movement, the conservative reaction, and the new world of the 21st Century. (DH)

HIST 306 History of Southeast Asia (3)
Pre: ENG 100.
This course will focus on the broad themes of regional unity and diversity in Southeast Asia, namely how local cultures adapted to religious, economic, political, and intellectual influences from outside the region. The course will study the history of the peoples of this region beginning with the classical maritime and mainland empires to the onset of Western colonialism and the rise of nationalistic resistance, and conclude with a study of postwar Southeast Asia. (DH)

HIST 308 Science and the Modern Prospect (3)
Examines the history, philosophy and politics of science. Studies of major ideas in the history of science and of contemporary perspectives on the methods, purpose, scope, and limits of science. Offers students an understanding of scientific thought and practice from a humanistic perspective. (Cross-list PHIL/POLS 308) (DH)
HIST 311 Chinese Culture (3)
Pre: ENG 100.
A topical survey of Chinese civilization from its origins to the 17th century. Traces the major themes of Chinese civilization and assesses Chinese cultural contributions. Emphasis on philosophical, literary, and historical traditions. (DH)

HIST 312 Modern China (3)
Pre: ENG 100.
A historical survey of China from the 17th century to the present, placing major emphasis on political and social developments, especially in the 20th century. (DH)

HIST 318 Asian American History (3)
Pre: ENG 100.
This course will examine the experience of Asian immigrants and their citizen descendants in the United States, with an emphasis on Hawai‘i. The groups covered include Chinese, Filipino, Japanese, Korean, South Asian, and Southeast Asian Americans. Topics include discussion of: 1) historical forces in the Asian countries and in the U.S. which shaped Asian immigration; 2) the development of ethnic communities; and 3) the struggle of Asians against American nativist feelings and discrimination. This course will also examine the broader question of how race is formed in America, and how racial categories affect our daily lives and the way we see the world. (DH)

HIST 321 Japanese Culture (3)
Pre: ENG 100.
Examines the major aesthetic themes in Japanese civilization; the development of the Zen ethic, and the emergence of the bushido or samurai spirit. Other currents such as the adaptation of foreign values to the Japanese setting and the recurrence of Japanese patterns will also be stressed. Surveys Japan’s religious, philosophical, literary, and historical traditions. (DH)

HIST 322 Modern Japan (3)
Pre: ENG 100.
A survey of Japanese history and culture from the 18th century with emphasis on developments in the 20th century. Considers topically major themes and issues of Japan’s emergence to world prominence. (DH)

HIST 325 Asian Economies, Business and Consumers (3)
Pre: ENG 100.
The world economy is undergoing a dramatic transformation with the rapid rise of China, and the global reach of the Japanese and South Korean economies. This course will look at the business, economies, and consumers of East Asia in a historical, cultural and business perspective. The period covered runs from pre-modern Asian economies in the 19th century through the 20th century, and especially focuses on post-WWII economic development. Students will also receive hands-on experience with Asian businesses via field trips and guest speakers. (Cross-list BUSA 325) (DH)

HIST 328 Modern Korea (3)
Pre: ENG 100.
A political and cultural survey of Korea. This course will assess Korea’s role in East Asian politics during traditional times and its unique position in contemporary international relations. This course will also use divided Korea as a case study of the communist vs. “capitalist” ideology in Asia. (DH)

HIST 329 Cold War in Asia (3)
Pre: ENG 100.
This course will study how the Cold War between the U.S. and the Soviet Union (1947-1991) played a major role in shaping the political, cultural, and social landscape of East Asia and Southeast Asia. In this course we will analyze the Cold War events such as the Korean War, and the Vietnam War from an Asian perspective. We will also look at other events such as the reconstruction of Japan and South Korea, American policy towards China, and the U.S. involvement in Indonesia and the Philippines. A portion of the class will also show how the Cold War in Asia affected Hawai‘i. (DH)

HIST 342 History of Economic Thought (3)
Pre: ECON 130 and one of these 3 courses: ECON 131, HIST 151 or HIST 152.
This course introduces major western economic theorists and ideas since around the 1700s and considers the history of views on work, poverty, the market and government, and the relationship of those doctrines to society, philosophy, and public policy. (Cross-list ECON 342)

HIST 350 History of Terrorism (3)
Pre: ENG 100.
This course will explore outbreaks of terrorism in a variety of world regions and historical contexts, including the 19th century anarchists, Latin American guerrilla groups of the 1960s and 1970s, the Irish Republican Army, the German Red Army Faction, and contemporary Islamic extremists. We will consider the goals, strategies, and self-conceptions of would-be terrorists, as well as state counter-terror responses and the broader cultural impact of extended terror scares. (DH)

HIST 354 History of Russia (3)
Pre: ENG 100.
A survey of the growth of civilization in Russia with major emphasis on the social and cultural life of the Russian
people. At least one major Russian novel will be read along with historical works.

HIST 361 U.S. Women's History (3)
Pre: ENG 100.
Our understanding of the past is transformed when we consider it through women's experiences. This course surveys American history and examines the broad themes that have shaped women's lives in the United States from the colonial period to the present. Topics covered include the movement for suffrage, women reformers and activists, and women and wars. While tracing larger trends and identifying common experiences, we will also pay close attention to the specific experiences of individual women in order to shed light on the differences and divisions among them. (DH)

HIST 384 Hawai'i from European Contact to the Overthrow (3)
Pre: ENG 100.
Survey of the social, economic, and political history of the Islands from European contact to the overthrow of the Kingdom of Hawai'i. Emphasis is on the elements of change and continuity that have shaped the culture and history of the Islands. The contributions of the diverse ethnic groups will be stressed. (Cross-list HPST 384) (DH)

HIST 393 U. S. Military History (3)
Pre: ENG 100.
A survey of American wars, warriors, and strategic thought from the Revolutionary War to Vietnam. (DH)

HIST 393 U.S. Military History (3)
Pre: ENG 100.
Development of European civilization through the coalescence of the classical tradition, Christian religion, and Germanic society. Examines cultural, political, and intellectual advances that accompany the High Middle Ages. (DH)

HIST 437 Pacific Archaeology (3)
Pre: ENG 100.
This course investigates the origins of Pacific peoples and their settlement and adaptation to the islands in Melanesia, Micronesia, and Polynesia. Evidence will be drawn from archaeological sites, artifacts, languages, and oral traditions. (Cross-list ANTH/HPST 437) (DH)

HIST 438 Nazi Germany (3)
Pre: ENG 100.
This course will examine the dramatic rise and fall of the Nazi movement in Germany, beginning with the turbulent political climate of the 1920s and moving through the Second World War. The course will place the Nazi party within a broader social context by looking at the political and cultural experimentation of the Weimar Period (1919-1933) and the National Socialist response to the challenges of modernity: the construction of a utopian "racial state" and a German-dominated world order. We will study the structure of the Nazi state, the culture wars of the 1920s and 1930s, the significance of Hitler in the Third Reich, the march toward World War, and the Nazis’ “war against Jews” -- the Holocaust. (DH)

HIST 459 Europe Since 1945 (3)
Pre: ENG 100.
This upper-division seminar will examine the major events and developments of postwar, Cold War, and contemporary Europe. Through a combination of mini-lectures and class discussions, we will explore a variety of historical problems, issues of interpretation, and historical scholarship on the period, with an emphasis on developing skills in critical thinking and understanding the origins of the challenges Europe and the world grapple with today. Topics include postwar reconstruction, decolonization, Stalinism and the Cold War, 1960s/70s radicalism, changing gender relations, and the influx of immigrants of non-European origin, who have helped to dramatically transform European national identities and popular culture. (DH)

HIST 461 The British in America: 1607-1763 (3)
Pre: ENG 100.
This course will examine the European discovery of America, the clash between Europeans and Native Americans, English colonial organization, the Enlightenment in America, the Great Awakening, the colonial wars, and the strains which ultimately led to the Revolution. (DH)

HIST 462 The Formative Years: U.S. History 1763-1841 (3)
Pre: ENG 100.
Among the subjects to be covered: the colonial legacy; causes of the Revolution; independence; Constitution; the Federalist decade; Jeffersonianism; diplomatic foundations of the new nation; the Age of Jackson; and the foundational issues of American political and social development.

HIST 463 U.S. History 1840-1920 (3)
Pre: ENG 100.
An examination of the dislocations caused by sectionalism, the Civil War, industrialism, immigration, and urban growth; and the efforts of reformers and government to deal with them. (DH)

HIST 464 The Triumph of Mass Culture: The United States Since 1920 (3)
Pre: ENG 100.
Political developments viewed in the context of America as a revolutionary new technological culture. Emphasis is
given to the radical change in life-style, family patterns, and national purpose in the “American Century.” (DH)

HIST 466 The United States in the Pacific (3)
Pre: ENG 100.
While the growth of economic and political interests in the Pacific is surveyed, major emphasis is given to the clash of cultures created by America’s activities in the region. Special attention is given to Hawaii’s role as America’s outpost in the Pacific in mid-20th century. (DH)

HIST 470 Literature as History (3)
Pre: ENG 100.
An examination of works whose popularity offers valuable insights into the historical periods in which they were written. The books will be studied for their cultural and historical importance as well as their literary merit. Among the works to be covered: F. Scott Fitzgerald, The Great Gatsby; Henry Adams, Democracy; John Steinbeck, The Grapes of Wrath. Taught primarily as a seminar. (Cross-list ENG 470) (DH)

HIST 471 Polynesia before European Contact (3)
This course is a detailed overview of Polynesian history from initial settlement to European contact, covering the spread of settlement through Polynesia and the histories of selected island groups. A multi-disciplinary approach to history is used, looking at oral historic, early historic, historical linguistic and archaeological information. Among the islands usually studied are Tonga, Samoa, the Marquesas, the Tuamotus, Mangareva, Easter Island, the Society Islands (Tahiti), the Southern Cooks, Aotearoa (New Zealand), and the little known Chatham Islands. Among the subjects covered are the rise of the Tongan kingdom, the initial settlement of Eastern Polynesia from Samoa, the formation of stratified countries in Tahiti, Aotearoa’s smaller societies with raiding and fortifications, and Easter Island’s history with its large statues. The student will also get a more detailed knowledge of one island group through a research paper, learning basic research and writing methods. (Cross-list HPST 471) (DH)

HIST 482 Pacific Islands (3)
European impact and native response on major island groups from exploration to annexation, independence, and trusteeship. (Cross-list HPST 482) (DH)

HIST 483 Archaeology of Hawai‘i (3)
This course will explore Hawaiian prehistory from the time of original settlement of the Islands until the arrival of Captain James Cook. Evidence will be gained from the investigation of archaeological sites, settlements, artifacts and other physical remains, and from recorded Hawaiian oral traditions. These data will be used to reconstruct ancient Hawaiian life, and ways to trace the development of Hawaiian society. (Cross-list ANTH/HPST 483) (DH)

HIST 487 Hawai‘i During World War II (3)
Pre: ENG 100.
Owing to Hawai‘i’s role in the Second World War and the sudden intensification of American military activity, the lives of kama‘aina were permanently altered, as the Hawaiian Islands became more deeply integrated into mainstream American culture and politics. Topics for discussion in this course include martial law, race relations, gender relations, the militarization of O‘ahu, community mobilization, the internment of civilians, and the experience of Japanese American men who volunteered for the armed forces. (DH)

HIST 488 Twentieth Century Hawai‘i (3)
Pre: ENG 100.
An examination of 20th century Hawai‘i emphasizing social and political developments. The formation of labor, the impact of World War II, and the growth of the Democratic Party will be studied to understand the dynamics of contemporary Island life. (Cross-list HPST 488)

HIST 490 Senior Practicum (3)
Pre: Consent of instructor; and one class of upper division writing-intensive (WI) course work.
Students are provided an internship with an appropriate community agency. As an intern, the student is delegated the responsibility of developing a solution to a well-defined problem or is asked to complete a relevant task. Students report on the experience using their understanding of the field in which they are working. Note: Students participating in practicum must sign the UHWO Assumption of Risk and Release form. This form must be completed prior to beginning this off-campus activity.

HIST 491 Senior Project (3)
Pre: Consent of instructor; and one class of upper division writing-intensive (WI) course work.
With assistance from an advisor, students will complete a project based on original or library research related to a particular problem or issue in the chosen field of study. Students will share the results of this learning process with peers and will assist each other in refining communication skills, developing research and information retrieval techniques, and other research-related competencies.
HIST 96 Selected Topics in History (v 1-6)
Topics selected will be based on program relevancy and student interest. Course content will vary. May be repeated for credit.

HIST 99 Directed Reading and Research (v)
Pre: Instructor approval.
Individual projects in various fields. To be arranged with the instructor.

HUMANITIES

HUM 300 Humanities Seminar (3)
The Humanities Seminar further emphasizes the multi-disciplinary perspectives important in Humanities. Each Humanities faculty member will give at least one lecture on their teaching and research interests, which will illustrate to students how the different disciplines contribute to an understanding of the Humanities.

HUM 301 Studies in the Western Tradition (3)
Multidisciplinary examination of the traditional or modern experiences of Western societies and institutions. Course content will vary. Course may be repeated for credit with permission of the instructor.

HUM 302 Studies in the Eastern Tradition (3)
Multidisciplinary examination of the traditional or modern experiences of Asian societies and institutions. Course content will vary. Course may be repeated for credit with permission of the instructor.

HUM 303 Comparative Traditions: Eastern and Western (3)
Multidisciplinary examination of universal themes as expressed in both western and eastern cultures. Course content will vary. Course may be repeated for credit with permission of the instructor.

HUM 304 Hawaiian-Pacific Traditions (3)
This class provides an introductory, multi-disciplinary overview of the cultural traditions of the native peoples of the Pacific Islands and Hawai‘i. The student will learn the location and physical nature of the major island groups. History and general cultural patterns from settlement to the present are reviewed - looking at various themes, issues, and case studies. The student will also receive introductory exposure to traditional and contemporary art, music, dance and literature. (Cross-list HPST 304) (DH)

HUM 390 Teaching Writing (4)
Pre: ENG 200 or consent of instructor.
This course will cover the theoretical and practical aspects of teaching writing. Students will gain experience in tutoring by assisting in the Writing and Learning Center and/or being assigned as a writing assistant to a writing-intensive class.

HUM 491 Community-Based Education and Service Learning (v 1-3)
This course helps to fulfill UH West O‘ahu’s mission for development of public service activities. Each semester the course will focus on one or more of the following activities: tutoring and/or mentoring immigrant students and/or their parents; working with community resource people; conducting research on Hawaii’s multi-cultural communities and issues of importance to them; participating in workshops that will provide appropriate background and training for these activities.
Requirements: 8 hours per week (on-site, workshops, etc.). (Cross-list SSCI 491)
Note: This course can also be used as a senior practicum site, with the approval of the student’s Faculty Advisor. Students participating in off-campus service learning or practicum activities must sign the UHWO Assumption of Risk and Release Form. This form must be completed and returned to the instructor prior to beginning this off-campus activity.

HUM 96 Selected Topics in Humanities (v 1-6)
Topics will vary with student interest and relevancy to the program. May be repeated for credit.

HUM 99 Directed Reading and Research (v)
Pre: Instructor approval.
Individual projects in various fields. To be arranged with the instructor.

INFORMATION AND COMPUTER SCIENCE

ICS 101 Digital Tools for the Information World (3)
An introductory survey of computers and their role in the information world emphasizing computing terminology, hardware, and software. Opportunities for “hands-on” experience using applications software may include spreadsheets, word processing, presentations, communications, and databases.

ICS 111 Introduction to Computer Science I (3)
Pre: ICS 101 or equivalent.
Intended for Computer Science majors and all others interested in a first course in programming. An overview of the fundamentals of computer science emphasizing problem solving, algorithm development, computer language coding, implementation, and debugging/testing using an object-oriented programming language.
ICS 211 Introduction to Computer Science II  
Pre: ICS 111.  
Reinforce and strengthen problem solving skills using more advanced features of programming languages and algorithms such as recursion, pointers, and memory management. Emphasize the use of data structures such as arrays, lists, stacks, and queues.

INFORMATION SECURITY AND ASSURANCE

ISA 320 Fundamentals of Secure Software Programming (3)  
Pre: ICS 111 or equivalent.  
This course primarily focuses on security throughout the software development lifecycle. This means knowing and understanding common risks (including implementation bugs and architectural flaws), designing for security, and subjecting software artifacts to thorough, objective risk analyses and testing.

ISA 330 Introduction to Proactive System Security (3)  
Pre: CENT 275 or equivalent.  
This course introduces students to how hackers attack computers and networks and how to protect against these attacks. This is a hands-on learning course where students will be exposed to and perform many of the various types of attacks in order to understand how to defend against them. Legal implications and ethical issues will also be addressed.

ISA 340 Introduction to Digital Forensics (3)  
Pre: CENT 275 or equivalent.  
This course is designed to provide the students with a good understanding on the field of digital forensics. The course will focus on the field of Digital Forensics including legal and investigative viewpoints. Forensic analysis and digital evidence over a wide range of technologies (like Networks, mobile devices, and Windows, Linux, Mac and embedded systems) will be reviewed.

ISA 400 Management of Information Security (3)  
Pre: CENT 275 or 305 or equivalent.  
This course primarily focuses on the managerial aspects of information security, such as access control models, information security governance, and information security program assessment and metrics. Coverage on the foundational and technical components of information security is included to reinforce key concepts.

ISA 450 Modern Cyber Conflicts (3)  
Pre: CENT 275 or 305 or equivalent.

INFORMATION TECHNOLOGY

ITS 410 IT Project Management (3)  
Pre: BUSA 345 or a 300-level CENT or ITS course.  
This course exposes the student to and provides the opportunity for students to practice the application and integration of the project management body of knowledge (PMBOK) areas to managing information technology (IT) projects. The primary focus of this course is on project management principles associated with managing an IT project’s goal, scope, schedule, and budget. Some additional topics that will be covered include quality, risk and knowledge management as well as software tools that support the activities associated with project management. (Cross-list BUSA/CENT 410).

MANAGEMENT

MGT 301 Business Ethics (3)  
This course explores a wide range of ethical issues in all areas of business to which employees are exposed and focuses on moral reasoning in business, moral issues within the corporation, and ethics in international business. The course also gives students a comprehensive review of ethics and the knowledge to recognize ethical dilemmas and resolve them through active deliberation and sound decision making in the new millennium.

MGT 310 Principles of Management  
This course explores the rich field of management in theory and practice, and as both a science and an art. The course also addresses the role of managers in the current world of rapid change, increased competitive forces, and increased expectations for the successful performance of employees and organizations. The student will leave this course with a solid background in the nature and work of management and managers. Applications of concepts to current workplace issues will be stressed.

MGT 320 Fundamentals of Entrepreneurship & Small Business Management (3)  
Pre: MGT 310.  
This course will provide students with the knowledge and tools they need to launch a business so that it has the
greatest chance of success. The course also addresses
the unique entrepreneurial experience of conceiving,
evaluating, crating, managing, and potentially selling a
business.

MGT 322 Leadership in Organizations (3)
Pre: MGT 310.
This course examines organizational leadership in the
context of managing continuous change. Topics include
models and theories of leadership, leading organizational
culture, power and influence, theories and applications
of change management, and leading innovation and
organizational learning.

MGT 325 Operations Management (3)
Pre: MGT 310.
This course depicts how operations managers analyze
processes ensure quality, create value, and manage the
flow of information regarding products and services. An
increased emphasis is placed on supply chain
management, designing and managing operations.

MGT 330 Human Resource Management (3)
Pre: MGT 310.
This course will address authoritative and accurate
information on Human Resource related responsibilities
and personnel management by focusing on practical
applications, concepts, and techniques that all managers
can use in business.

MGT 341 Behavior in Organizations (3)
Pre: MGT 310.
This course in organizational behavior encompasses the
study of individual and group behavior in organizational
settings. Managing organizational behavior challenges
individual and group behavior in organizational settings.
Managing organizational behavior challenges individuals
to understand and embrace human processes, group
dynamics, elements of influence and power, and
organizational processes.

MGT 350 Managing Change in Organizations (3)
Pre: Placement in ENG 100 or concurrent enrollment in
ENG 22.
This course will focus on making organizational change
the centerpiece, as other topics to include organizational
theory and design, organizational culture and change,
and the recent trends in real-world managing techniques
are also examined. (Cross-list BUSA 350)

MGT370 Global External Environment (3)
Pre: ENG 100 or concurrent enrollment in ENG 22.
This course will examine the impact of the non-business
environment (country and political risk) on foreign direct
investment and international trade decisions. Students
will learn to assess the impact of ethnic tensions,
terrorism, political instability, corruption, and other risk
factors on business operations. An emphasis will be
placed on understanding the relationship between
socioeconomic factors and global business. (Cross-list
BUS A 370)

MATHEMATICS
MATH 100 (alpha) Survey of Mathematics (3)
Pre: Grade of “C” or better in MATH 25, or MATH 82, or
equivalent within the past two years; placement into
MATH 100; or consent of instructor.
This course covers selected mathematical topics in an
effort to acquaint students with examples of
mathematical reasoning. Upon successful completion of
the course, students should be able to: model applied
problems symbolically and perform manipulations on the
symbols within an appropriate mathematical or logical
formal system; distinguish between a rigorous proof and
a conjecture; author an elementary proof; apply formal
rules or algorithms to solve numeric, symbolic, graphical
and/or applied problems; and assess the reasonableness
of, then appropriately communicate, the solutions to
problems. Math 100 is not intended as, and does not
qualify as, a prerequisite for advanced mathematics
courses. H: Through Hōkūleʻa. (FS)

MATH 103 College Algebra (3)
Pre: Grade of “C” or better in Math 25, or MATH 82, or
equivalent within the past two years; placement into
MATH 103.
This course follows the elementary algebra sequence and
will prepare students for pre-calculus, statistics, or other
courses requiring algebraic, geometric or symbolic
thinking and deduction. Students will apply algebraic and
graphic techniques to solve problems, including
simplifying, factoring, and/or solving radical expressions;
linear, quadratic, absolute value, and literal equations;
and working with inequalities, complex numbers,
quadratic systems, logarithms, and introductory
functions and graphs. (FS)

MATH 103M College Algebra with Tutorial (5)
Pre: Grade of “C” or better in Math 24, or placement into
MATH 82 or 103.
This course follows the elementary algebra I and will
prepare students for pre-calculus, statistics, or other
courses requiring algebraic, geometric techniques to
solve problems, including simplifying, factoring, and/or
solving radical expressions; linear, quadratic, absolute
value, and literal equations; and working with
inequalities, complex numbers, quadratic systems,
logarithms, and introductory functions and graphs. (FS)
MATH 111 Mathematics for Elementary School Teachers I (3)
Pre: Grade of C or better in MATH 103 or equivalent course work within the past two years; or placement into MATH 111; or consent of instructor.
This course is the first in the sequence of two math courses required for students in the K-6 B.Ed. degree program. Emphasis will be placed on problem solving, communication, representation, reasoning, and mathematical connections. Topics covered include operations on sets, natural numbers, integers, fractions, reals, and functions; the properties of these operations; patterns and algebra. Prospective elementary education majors only.

MATH 112 Mathematics for Elementary School Teachers II (3)
Pre: Completion of MATH 111 with a grade of “C” or better, or instructor consent.
This course is the second in the sequence of two math courses required for students in the K-6 B.Ed. degree program. Topics covered include operations on the natural numbers and rational numbers; properties of those operations; connections to other parts of mathematics and applications. (FS)

MATH 135 Pre-Calculus: Elementary Functions (3)
Pre: Grade of “C” or better in MATH 103 or equivalent course work within the past two years; placement into MATH 135; or consent of instructor.
This course includes a variety of selected mathematical topics designed to acquaint students with a functional approach to algebra, including polynomial, exponential, and logarithmic functions; higher degree equations; inequalities; sequences; the binomial theorem; and partial fractions. This course is recommended for students pursuing further studies in business, economics, mathematics, and/or science-related fields. (FS)

MATH 140 Pre-Calculus: Trigonometry and Analytic Geometry (3)
Pre: Grade of “C” or better in MATH 135 or equivalent course work within the past two years; placement into MATH 140; or consent of instructor.
This course is a study of the properties and graphs of trigonometric, circular, and inverse functions; solutions of triangles; identities; solution of trigonometric equations; conic sections; polar coordinates; and parametric equations. This course is recommended for students pursuing further studies in business, economics, mathematics, and/or science-related fields. (FS)

MATH 241 Calculus I (4)
Pre: Grade of “C” or better in MATH 140 or equivalent course work (within the past two years); or placement into MATH 241; or instructor consent.
This course includes a variety of selected mathematical topics including limits, continuity and derivatives. Computations of derivatives—sum, product, and quotient formulas; implicit differentiation; chain-rule. Study of algebraic and trigonometric functions with the analysis of their derivatives. Linear approximation and Newton’s method. Applications of derivatives to maximum-minimum problems and related rate problems. Mean-value theorem. Definite integrals and the Fundamental Theorem of Calculus. Applications of definite integrals to computations of areas, volumes, arc lengths, surface areas, etc. Simple differential equations. Simpson’s rule. (FS)

MATH 242 Calculus II (4)
Pre: Grade of “C” or better in MATH 241, or equivalent course work (within the past two years); or placement into MATH 242; or consent of instructor.
This is the second course in the calculus sequence. The course extends differentiation and integration to inverse trigonometric, logarithmic, and exponential functions, and covers such topics as basic techniques of integration, improper integrals, Taylor’s series of functions and their applications and differential equations. (FS)

MATH 243 Calculus III (3)
Pre: Grade of “C” or better in MATH 242, or equivalent course work (within the past two years); or placement into MATH 243; or consent of instructor.
Calculus III is the third course in the calculus sequence. The course covers vector algebra and geometry, vector-valued functions and motion in space, polar coordinates, differentiation in several variables, and optimization. (FS)

MATH 244 Calculus IV (3)
Pre: Grade of “C” or better in MATH 243, or equivalent course work (within the past two years); placement into MATH 244; or consent of instructor.
Calculus IV is the fourth course in the calculus sequence. The course covers multiple integrals, integration in vector fields, line integrals and Green’s Theorem, surface integrals, and Stokes’ and Gauss’ Theorems. (FS)

MATH 307 Linear Algebra and Differential Equations (3)
Pre: Math 243 (or concurrent), or consent from the instructor.
Introduction to linear algebra, application of eigenvalue techniques to the solution of differential equations, introduction to dynamical systems and its applications, including stability of solutions, bifurcation analysis, and
chaos. Students may receive credit for only one of 307 or 311.

MATH 311 Introduction to Linear Algebra (3)
Pre: ENG 200 and MATH 243 or concurrent; or equivalent coursework within the past two years; or instructor consent.
Algebra of matrices, linear equations, real vector spaces and transformations. Emphasis on concepts, abstraction, and instruction of careful writing. Students may receive credit for only one of MATH 307 or MATH 311.

MATH 321 Introduction to Advanced Mathematics (3)
Pre: ENG 200 and MATH 243 or concurrent; or equivalent coursework within the past two years; or instructor consent.
Formal introduction to the concepts of logic, finite and infinite sets, functions, methods of proof and axiomatic systems. Mathematical expression in written form is an integral part of the course.

MATH 327 History of Mathematics (3)
Pre: MATH 242 or equivalent coursework within the past two years; or instructor consent. MATH 311 or MATH 321 recommended.
A historical development of mathematical techniques and ideas, including the inter-relationships of mathematics and sciences. Highlights include: Euclidean geometry and number theory including classical constructions, history of calculus, foundations for analysis, polynomial equations, and set theory and logic.

MATH 351 Foundation of Euclidean Geometry (3)
Pre: MATH 243; and MATH 321 (or concurrent); or consent of instructor.
This course covers axiomatic Euclidean geometry and an introduction to the axiomatic method, with an emphasis on writing instruction.

MATH 371 Elementary Probability Theory (3)
Pre: MATH 242; or consent of instructor.
This course covers sets, discrete sample spaces, problems in combinatorial probability, random variables, mathematical expectations, classical distributions, and applications.

MATH 373 Elementary Statistics (3)
Pre: MATH 371; or consent of instructor.
This course covers estimation, tests of significance, and the concept of power.

MATH 411 Linear Algebra (3)
Pre: Grade of “B” or better in MATH 311; or consent of instructor.
This course covers vector spaces over arbitrary fields, minimal polynomials, invariant subspaces, canonical forms of matrices, unitary and Hermitian matrices, and quadratic forms.

MATH 412 Introduction to Abstract Algebra (3)
Pre: MATH 311; or consent of instructor.
This course is an introduction to basic algebraic structures. Topics include: groups, finite groups, abelian groups, rings, integral domains, fields, factorization, polynomial rings, field extensions, and quotient fields with an emphasis on writing instruction. These topics are covered in the year sequence MATH 412-413.

MATH 413 Introduction to Abstract Algebra (3)
Pre: MATH 412; or consent of instructor.
This is the second course of a year sequence and should be taken in the same academic year as MATH 412. Emphasis on writing instruction.

MATH 480 Senior Seminar (1)
Pre: One 400-level mathematics course; or consent of instructor.
This course is a seminar for senior mathematics majors, including an introduction to methods of research. A significant portion of class time is dedicated to the instruction and critique of oral presentations. All students must give the equivalent of three presentations. Mandatory CR/NC.

MATH -96 Selected Topics (v 1-6)
Topics will vary with student interest and relevance to the program. May be repeated for credit.

MATH -99 Directed Reading and Research (v)
Pre: Instructor approval.
To be arranged with the instructor.

METEOROLOGY

MET 207 Introduction to Atmospheric Studies (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22; and complementary or concurrent enrollment in any 100-level or higher physical or biological science.
This course is designed for students in any major. The objectives of the course are to aid students in developing meaningful and functional understanding of key concepts and interrelations that occur within and between the Earth’s Atmosphere, Geosphere, Hydrosphere, and Cryosphere. Topics of study will include, but are not limited to severe weather, El Nino/La Nina, Remote Sensing, and the physical conditions that drive local, regional, and global weather and climate. This course will also provide students with activities that facilitate insight into the nature of science as an intellectual activity and
to help students develop more positive attitudes about science and increase their confidence in their ability to do science. (DP)

MET 209 Introduction to Climate Studies
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22; and completion of or concurrent enrollment in any 100 level or higher physical or biological science. This course is designed for students in any major. The objectives of the course are to aid students in developing meaningful and functional understanding of key concepts and interrelations that occur within the Earth’s Climate. Topics of study will include, but are not limited to Climate Variability and Change, Global Water Cycle, Energy and Mass Transfers, Solar Energy and Climate, and Geoengineering. This course will also provide students with activities that facilitate insight into the nature of science as an intellectual activity and to help students develop more positive attitudes about science and increase their confidence in their ability to do science. (DP)

MICROBIOLOGY

MICR 130 General Microbiology (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
This introductory course covers the fundamentals of microbiology, and how microorganisms affect people, property, and the environment. Topics covered will include biochemistry, genetics, molecular biology, and physiology of microbes; host-parasite relationships; public health, bacterial, mycotic and viral diseases; epidemiology; ecology of soils and water; environmental pollution; food microbiology; and industrial applications of microbiology. (DB)

MICR 140L General Microbiology Lab (2)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
This laboratory course complements General Microbiology (MICR 130). Experiments involving aseptic techniques and manipulations of microorganisms under laboratory conditions will be performed to illustrate the basic principles of microbiology. (DY)

MILITARY SCIENCE AND LEADERSHIP
Note: ROTC courses are held at the University of Hawai’i at Mānoa campus.
For MSL 301, 302, 401, and 402 a weekly two-hour leadership laboratory is required for all courses. The laboratory includes practical application of leadership skills taught in the classroom. In addition, students are required to participate in the Army Physical Fitness Training (APFT) on Monday, Wednesday, and Friday mornings.

MSL 100 Intro to Physical Fitness (1)
Hands-on participatory course following the Army’s physical fitness program. Classes conducted three days per week with Army ROTC cadets. Focus is on aerobic conditioning, muscular strength and endurance. Repeatable three times.

MSL 101 Intro to Military Science I (2)
Introduces cadets to personal challenges and competencies critical for effective leadership; personal development of life skills such as goal setting, time management, physical fitness, and stress management related to leadership, officership, and the Army profession. Focus on developing basic knowledge and comprehension of Army Leadership Dimensions while understanding the ROTC program, its purpose in the Army, and its advantages for the student.

MSL 101L Intro to Military Sci I Lab (1)
Practical application in adventure training, one-roped bridges, rifle marksmanship, land navigation, drill and ceremonies, physical training.

MSL 102 Intro to Military Science II (2)
Overviews leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback and using effective writing skills. Explores leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises. Cadre role models and building relationships among cadets through common experience and practical interaction are critical.

MSL 102L Intro to Military Sci II Lab (1)
Practical application in adventure training, one-roped bridges, rifle marksmanship, land navigation, drill and ceremonies, physical training.

MSL 201 Intermediate Military Sci I (3)
Explores creative and innovative tactical leadership strategies and styles through historical case studies and engaging in interactive student exercises. Cadets practice aspects of personal motivation and team building by planning, executing, and assessing team exercises. Focus is on continued development of leadership values and attributes through understanding of rank, uniform, customs and courtesies.

MSL 202 Intermediate Military Sci II (3)
Challenges of leading complex, contemporary operational environments. Dimensions of cross-cultural
challenges of leadership in a constantly changing world are highlighted and applied to practical Army leadership tasks and situations. Cadets develop greater self-awareness as they practice communication and teamwork building skills, and tactics in real world scenarios. Provides a smooth transition to MSL 301.

MSL 203 ROTC Basic Camp (6)
Pre: Consent.
Four-week summer course conducted at Ft. Knox, Kentucky. Substitutes for ROTC basic course (101, 102, 201, and 202) and fulfills course requirement for admission to ROTC advanced courses. Credit will be given for 203 or basic courses, but not both.

MSL 301 WI Leading Small Organizations I (4)
Pre: MSL 201, 202, consent of instructor.
Series of practical opportunities to lead small groups and receive personal assessments and encouragement. Uses small unit defensive tactics and opportunities to plan/conduct training. Includes field training sessions, student-taught classes, and presentations/briefings.

MSL 302 Leading Small Organizations II (4)
Pre: MSL 301, consent of instructor.
Analyze tasks and prepare written or oral guidance for team members to accomplish tasks. Delegate tasks and supervise. Examine and apply lessons from leadership case studies. Examine importance of ethical decision-making. Includes field training sessions, student-taught classes, and presentations/briefings.

MSL 303 ROTC Advanced Camp (6)
Pre: MSL 301, 202, consent of instructor.
A 32 day summer field training exercise conducted at Fort Lewis, Washington. Arduous and intensified leadership training is conducted throughout the 32 day period. Required for U.S. Army commissioning.

MSL 391 WI American Military History (3)
Pre: Consent of instructor.
Lecture and discussion on the art and science of warfare throughout the history of the United States. Restricted to students enrolled in the Army ROTC program.

MSL 399 Directed Reading and Research (v)
Pre: Consent of instructor.
Limited to military science students who have had at least one previous military science course for which a grade of B or higher was earned and a cumulative GPA of 2.0 or better.

MSL 401 WI Leadership Challenges and Goal Setting (4)
Pre: MSL 301, 302, consent of instructor.
Plan, conduct and evaluate activities of the ROTC cadet organization. Assess organizational cohesion and develop strategies to improve it. Develop confidence in skills to lead people and manage resources. Includes field training sessions, student taught classes, and presentations/briefings.

MSL 402 Transition to Lieutenant (4)
Pre: MSL 401, consent of instructor.
Continues the methodology from MSL 401. Identify and resolve ethical dilemmas. Refine counseling and motivating techniques. Examine aspects of tradition and law as related to leading as an officer in the Army. Prepare for a future as a successful Army officer. Includes field training sessions, student-taught classes, and presentations/briefings.

MSL 499 Directed Reading and Research (v)
Pre: Consent of instructor.
Limited to military science students who have had at least one previous military science course for which a grade of B or higher was earned and a cumulative GPA of 2.0 or better.

MUSIC

MUS 106 Introduction to Music Literature (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
This introductory music survey course explores elements, forms and styles of music from the Middle Ages to the present. Emphasis is placed on active listening and the discovery of music’s cultural and historical contexts. Live music concert attendance is required. (DH)

MUS 107 Music in World Cultures (3)
An exploration of folk, popular, and art music from major regions of the world, with particular emphasis on Asia and the Pacific. Examines music as an expressive culture with regional differences in sound organization and style, highlighting the relationship between music and the society that produces it. (DH)

MUS 108 Fundamentals of Western Music (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
In this introductory course which requires no music background, basic concepts of music as an expressive art form in Western culture are explored, including the acculturation of Western music in Hawaii. Students assume roles of active listener, performer, and composer. Basic music literacy is developed through regular reading, writing, listening and music-making assignments. (DA)
MUS 114 University Chorus (2)
Rehearsal and performance of choral literature from the Renaissance to the present. Vocal technique, musicianship, listening and ensemble skills are emphasized. Open to all students, faculty and the community (audition necessary for section placement). Repeatable unlimited number of times, but credit limited to twelve (12) credits. (DA)

MUS 121B Beginning Voice (2)
Basic vocal performance skills for the beginning voice student. Relevant problems in the literature, with special focus on breath management, tone production, pitch and rhythmic accuracy, clarity of diction, expression and emotion, and stage presence. Solo performance of literature is required. Repeatable up to four (4) credits. (DA)

MUS 121D Beginning Guitar (2)
Basic principles of guitar performance through study of Hawaiian mele and other popular songs; emphasis on practice and performance strategies. Includes exploration of basic rudiments of music, basic instrument care, and the history of guitar in Hawaii. Intended for students with little or no guitar music experience. Repeatable for up to four (4) credits. (DA)

MUS 121F Slack Key Guitar (2)
Basic principles of slack key guitar performance, and relevant problems in literature. Students learn to play two G tunings. This course is intended for students with little or no background in slack key guitar playing. Ability to read music is not required. (2 hour lecture/lab). Repeatable for up to four (4) credits. (Cross-list HPST 121F) (DA)

MUS 121Z Beginning Ukulele (2)
Basic principles of `ukulele performance through study of Hawaiian mele and other popular songs; emphasis on practice and performance strategies. Includes exploration of basic rudiments of music, basic instrument care, and the history of the `ukulele in Hawaii. Intended for students with little or no `ukulele music experience. Repeatable for up to four (4) credits. (Cross-list HPST 121Z) (DA)

MUS 208 Introduction to Songwriting (3)
Pre: Must sing or play an instrument. Project-based introductory course in songwriting, focusing on lyric and music creation, and basic music theory concepts including rhythm, meter, pitch, melody and harmony. Students gain an awareness of the music industry through interactive talk-story sessions with local guest artists and exploration of basic digital audio recording techniques. (DA)

MUS 211 Introduction to Hawaiian Ensemble (2)
Pre: Able to play a guitar, ukulele or bass, and/or sing. Performance of Hawaiian music for groups of various sizes at an introductory level. Exploration of basic principles of ensemble performance and relevant problems in the literature. Students learn to play while singing. Ability to read music not required. Repeatable up to 4 credits. (Cross-list HPST 211) (DA)

MUS 240 Introduction to Music Technology (3)
Recommended Pre: MUS 108, 114, or 121 (alpha) Description: A project-oriented introduction to tools and technology currently used to create and disseminate music and multi-media. Hands-on use of software (multi-track MIDI and digital audio sequencers, music notation, web authoring and movie creation programs) and hardware (microphone, digital audio interface, MIDI keyboard, computer). Emphasis on practical skills which include recording, editing, and mixing. Recommended: MUS 108, 114, 121(alpha) or consent. Basic computer skills required.

MUS 265 History of Western Music to 1750 (3)
Pre: MUS 282 or consent. A study of the development of Western music from its origins to 1750. Styles, genres, schools, instruments and composers are explored in their cultural and historical contexts. (DH)

MUS 266 History of Western Music after 1750 (3)
Pre: MUS 282 or consent. A study of the development of Western music from 1750 to the present. Styles, genres, schools, instruments and composers are explored in their cultural and historical contexts. (DH)

MUS 280 Basic Theory and Aural Skills (3)
Pre: MUS 108 or consent. In this introductory course to the music theory sequence, students develop skills in music reading and music perception through notation, sightsinging and dictation exercises.

MUS 281 Music Theory I (2)
Pre: MUS 280 or instructor consent. Coreq: MUS 283 or instructor consent. In this first of three sequential core music theory courses (Theory I-III) for the music concentration, students study of the materials and organization of Western music through analysis, writing, and keyboard applications.
Basic concepts, elements and structures of Western music are explored.

**MUS 282 Music Theory II (2)**
Pre: MUS 281 or instructor consent.
Coreq: MUS 284 or instructor consent.
In this second of three sequential core music theory courses (Theory I-III) for the music concentration, students continue the study of the materials and organization of Western music through analysis, writing, and keyboard applications, including a final songwriting project. Basic concepts, elements and structures of Western music are explored.

**MUS 283 Aural Training I (1)**
Pre: MUS 280 or instructor consent.
Coreq: MUS 281 or instructor consent.
In this first of two sequential core aural training courses (Aural Training I-II) for the music concentration, students improve aural skills and general musicality through sight-singing; rhythmic, melodic, and harmonic dictation; and error detection. Students progress in their ability to hear music notation internally (i.e., without the aid of an instrument) and to notate musical sounds they hear.

**MUS 311 Hawaiian Ensemble (2)**
Pre: Must be able to sing or play an instrument; instructor approval required.
Performance of Hawaiian music for groups of various sizes. Exploration of principles of ensemble performance, relevant problems in the literature, and analysis of mele composition. Ability to read music is not required. Repeatable up to 4 credits. (Cross-list HPST 311) (DA)

**MUS 314 Music, Sound and Media (3)**
Pre: ENG 100 or instructor consent.
This course focuses on the history and practice of the integration of music and sound with speech and image in creative media. Students learn historical precedents, expand their music vocabulary, and develop an ability to select an appropriate music track for various creative media projects. (Cross-list CM 314)

**MUS 367 History of American Pop Music (3)**
Pre: ENG 100.
An examination of American popular music from the 19th through 21st centuries with emphasis on the music’s relation to cultural and historical contexts, and technological and aesthetic developments. Listening and discussions focus on a variety of music including jazz, blues, rock and roll, reggae and hip hop. (DH)

**MUS 368 Cool Runnings: A Reggae History (3)**
Pre: Junior/senior standing or instructor approval.
An examination of one of the least understood and most influential musics of the past half-century, exploring musico-historical perspectives as well as social issues including cultural identity, politics, localization, globalization, integration, pluralism, and spirituality.

**MUS 419 University Band (2)**
Pre: Audition and instructor consent.
Performance of symphonic wind ensemble and band literature, including works by contemporary composers. Repeatable unlimited times. (DA)

### OCEANOGRAPHY

**OCN 201 Science of the Sea (3)**
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
This course is an overview of the science of oceanography. Topics covered include the physical and chemical properties of seawater, waves, tides, currents, the geology of the ocean floor, life in the ocean, human use of ocean resources, and environmental concerns. (DP)

### PACIFIC ISLANDS STUDIES

**PACS 108 Pacific Worlds: Introduction to Pacific Islands Studies (3)**
This course introduces students to issues involving the Pacific colonization, diaspora, governance, regionalism, globalism, tourism, development, and contemporary events of the Pacific Islands region also known as Oceania. (DS)

### PHARMACOLOGY

**PHRM 203 General Pharmacology (3)**
Pre: BIOC 141, BIOL 141/142.
This course is designed to build an understanding of the fundamental principles of drug therapy, including the application of specific drugs in the treatment of disease; normal and abnormal responses to drug therapy; and the appropriate nursing actions to achieve the desired outcome of drug therapy. This course is a required course for all nursing students and students in other related fields of study.
PHILOSOPHY

PHIL 100 Introduction to Philosophy: Survey of Problems (3)
Discussion of great philosophical problems such as our knowledge of reality, the freedom of the will, the relation of the mind and body, the sources of self-identity, the meaning of life and the existence of God. (DH)

PHIL 102 Introduction to Philosophy: Asian Traditions (3)
Discussion of great philosophical traditions of Asian civilizations such as, but not limited to, India, China, and Japan.

PHIL 210 Social and Political Philosophy (3)
Introduction to classical, modern and contemporary social and political theories, as well as issues in a global context. (DH)

PHIL 211 Ancient Greek and Roman Philosophy (3)
A study of ancient Greek and Roman philosophies such as, but not limited to, Presocratics, Plato, Aristotle, and Hellenistic philosophy.

PHIL 213 Modern Western Philosophy (3)
A study of 17th-18th century Western philosophies such as, but not limited to, Descartes, Locke, Leibniz, Berkeley, Hume, and Kant.

PHIL 220 Introduction to Feminism (3)
Study of feminism as a philosophical movement of the 20th century, its historical background, and contemporary feminist issues and theories. (DH)

PHIL 302 Political Philosophy (3)
Political philosophy is the search for “the best way to live” – what Socrates and Plato called “the Good Life”. This is the foundational course of political science. It approaches the problems of contemporary life, as experienced by the individual, from a “big picture” understanding of human nature. This draws from anthropology, psychology, and world history. It brings to bear on the present the wisdom of primordial, classical, modern, and post-modern political philosophy. (Cross-list POLS 302) (DH)

PHIL 308 Science and the Modern Prospect (3)
Examines the history, philosophy, and politics of science. Studies major ideas in the history of science and of contemporary perspectives on the methods, purpose, scope, and limits of science. Offers students an understanding of scientific thought and practice from a humanistic perspective. (Cross-list HIST/POLS 308) (DH)

PHIL 310 Understanding Contemporary Philosophy (3)
Study of the 20th century thinkers and ideas which have most influenced contemporary life. Studies the relations of thought and action, attempts to resolve the age-old human dilemmas by new techniques of analysis and description, evolutionary thinking, the crisis of the individual in the technological world, and other contemporary issues. Recommended for students in all divisions. (DH)

PHIL 311 Philosophy of Law (3)
Why do we have laws? Study of the origin and justifications of legal systems, who makes the laws, what makes laws just, and the relation of law to ethical and other non-legal values. (DH)

PHIL 312 Ethical Studies (3)
Study of major ethical theories such as Virtue Ethics, Deontology, Utilitarianism, Existential Ethics, and Care Ethics as well as contemporary ethics issues such as abortion, death penalty, same-sex marriage, and bio-ethics. (DH)

PHIL 325 Philosophy of Economics (3)
Study of the philosophical basis of modern economic systems, the role of economics in social life and the competing visions of society. (DH)

PHIL 401 Existentialism and the Human Condition (3)
Study of the nineteenth and twentieth century thematic explorations of human consequences, freedom, choice, death, and the precarious and often baffling nature of human existence, as expressed in philosophy, literature, and film. (DH)

PHIL 418 Feminist Philosophy (3)
A study of contemporary developments of feminist philosophy in various areas such as, but not limited to, history of philosophy, ethics, epistemology, phenomenology, science, and religion.

PHIL 435 The Religious Dimension of Human Life (3)
Examination of problems concerning the existence and nature of God, the human need for religion, types of religious experience, immortality, and the attempts of modern social and physical sciences to understand and interpret religion. (DH)

PHIL 439 Philosophy and Film (3)
This course addresses the unique properties of the film medium and how they have been exploited, through the viewing and analysis of a number of films, both American and foreign. We will study the particular aesthetics of film from the points of view of technique, style, and
content; film analysis and criticism; the social and commercial context of film-making and viewing. (DH)

PHIL 470 (alpha) Studies in Asian Philosophy (3)
Examination of the philosophy and practice of selected philosophical schools of Asia. Emphasis is upon those schools which present living options and which may enrich and enhance Western ways of thought and action. A: Buddhism; B: Confucianism; C: Daoism. (DH)

PHIL 481 Ethics and Administration (3)
Consideration of the ethical problems that face administrators in the public and private sectors from a theoretical point of view and in application to particular cases. Such issues as corporate responsibility to communities; shareholders and competitors; bribery; honesty; racialism; ecology; and false or misleading advertising will be discussed. (Cross-list BUSA/PUBA 481)

PHIL 482 Environmental Ethics (3)
This course will examine the history of philosophical and ethical systems and their implications for human interactions with the Earth’s environment. This course will be centered around readings and discussions of selections from historically important works in the field (such as A Sand County Almanac by Aldo Leopold) in the context of current controversies involving environmental ethics. (DH)

PHIL 490 Senior Practicum (3)
Pre: Consent of instructor; one class of upper division writing-intensive (WI) course work. Internship with an appropriate community agency relating to the application of philosophy. Students must sign the UHWO Assumption of Risk and Release form prior to beginning practicum.

PHIL 491 Senior Project (3)
Pre: Consent of instructor; one class of upper division writing-intensive (WI) course work. An in-depth research project focusing on a particular problem or issue in philosophy.

PHIL -96 Selected Topics in Philosophy (v 1-6)
Topics selected will be based on program relevancy and student interest. May be repeated for credit.

PHIL -99 Directed Reading and Research (v)
Pre: Instructor approval. Individual projects in various fields. To be arranged with the instructor.

PHYSIOLOGY

PHYL 141 Human Anatomy and Physiology I (3)
Pre: Completion of ENG 100; and completion of or concurrent enrollment in CHEM 161. The first semester of a comprehensive two-semester course which provides a thorough introduction to the structure and function of the human body. This course covers gross anatomy, histology, and physiology of the cells and tissues, and the integumentary, skeletal, muscular and nervous systems. Students will be expected to learn the details of anatomy and physiology as well as applying those details in the broader context of whole body function and homeostasis. (DB) (Prev ZOOL 141)

PHYL 141L Human Anatomy and Physiology Lab I (1)
Coreq: PHYL 141. Laboratory to accompany Human Anatomy and Physiology I. Reinforces major concepts of human anatomy and physiology through dissections, examination of models, laboratory experiments, and other hands-on activities. (DY) (Prev ZOOL 141L)

PHYL142 Human Anatomy and Physiology II (3)
Pre: PHYL 141 and 141L. The second semester of a comprehensive two-semester course which provides a thorough introduction to the structure and function of the human body. This course covers gross anatomy, histology, physiology of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, reproductive systems, as well as basic concepts of inheritance and development. Students will be expected to learn details of anatomy and physiology as well as applying those details in the broader context of whole body function and homeostasis. (DB) (Prev ZOOL 142)

PHYL 142L Human Anatomy and Physiology Lab II (1)
Pre: PHYL 141 and 141L. Coreq: PHYL 142. Laboratory to accompany Human Anatomy and Physiology II. Reinforces major concepts of human anatomy and physiology through dissections, examination of models, laboratory experiments, and other hands-on activities. (DY) (Prev ZOOL 142L)

PHYSICS

PHYS 100 Survey of Physics (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22. Coreq: PHYS 100L. This course and its laboratory will introduce basic principles of Physics. It is designed for non-science
majors. The following concepts will be discussed: mechanics, electricity and magnetism, waves, optics, atomic and nuclear physics. Emphasis will be on learning how things work. (DP)

PHYS 100L Survey of Physics Laboratory (1)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Coreq: PHYS 100.
This course and its laboratory will introduce basic principles of Physics. It is designed for non-science majors. The following concepts will be discussed: mechanics, electricity and magnetism, waves, optics, atomic and nuclear physics. Emphasis will be on learning how things work. (DY)

POLITICAL SCIENCE

POLS 110 Introduction to Political Science (3)
Pre: ENG 100.
This course introduces the possibilities of politics arising from its founding Socratic question: “How should we live?” The course surveys and evaluates some of the major resulting belief systems, ideologies, political orders, forms of government, institutions, activities, and modes of inquiry. Special attention is given to the problems and controversies of our age. (DS)

POLS 130 Introduction to American Politics (3)
Pre: ENG 100.
This course will serve as an introduction to central concepts of the American political system and will prompt students to gain a basic understanding of the three-branch structure of American government, the balance of power between the executive, legislative and judicial branches of government, as well as policy issues raised by each of those segments of the American political structure. It will also encourage students to revise their assumptions about American politics. Finally, the course will address issues of civic engagement and citizenship.

POLS 302 Political Philosophy (3)
Pre: ENG 100; ENG 200 recommended.
Political philosophy is the search for “the best way to live” – what Socrates and Plato called “the Good Life”. This is the foundational course of political science. It approaches the problems of contemporary life, as experienced by the individual, from a “big picture” understanding of human nature. This draws from anthropology, psychology, and world history It brings to bear on the present the wisdom of primordial, classical, modern, and post-modern political philosophy. (Cross-list PHIL 302) (DH)

POLS 306 Comparative Politics (3)
This course is designed to give students an understanding of the value and limits of a comparative approach to dealing with political conflict and transformation. It focuses on two or more distinct national and regional political orders, and does so with awareness of an increasingly globalized and crisis-plagued world economy.

POLS 308 Science and the Modern Prospect (3)
Pre: ENG 100; ENG 200 recommended.
Examines the history, philosophy and politics of science. Studies major ideas in the history of science and of contemporary perspectives on the methods, purpose, scope, and limits of science. Offers students an understanding of scientific thought and practice from a humanistic perspective. (Cross-list HIST/PHIL 308) (DH)

POLS 316 Constitutional Law (3)
Pre: ENG 100; ENG 200 recommended.
An examination of the nature and development of the United States constitutional system. Emphasis on the role of the courts in interpreting the concepts of separation of powers, federalism, the police power, and the commerce clause. In addition, a study of fundamental rights as protected by the United States Constitution and other legal provisions and the role of the courts in interpreting freedom of expression and conscience, due process, and equal protection of the laws will be covered. (Cross-list PUBA 316)

POLS 320 Global Issues (3)
Pre: ENG 100; ENG 200 recommended.
For the last 400 years, the quality of life on the planet has been increasingly shaped by global forces, many of which now seem out of control and increasingly destructive. The key players have been large centralized organizations: first nation-states and their empires, now multinational corporations. This course looks at global trends by focusing on illuminating area case studies. It attempts to offer lessons relevant to local issues and lives.

POLS 326 Environmental Politics (3)
Pre: ENG 100; ENG 200 recommended.
This course looks at the current environmental crisis from the perspective of the two revolutions in humanity’s relationship with the natural world: the development of agriculture 10,000 years ago, and the development of industrial-urban society beginning 400 years ago. This provides a context for evaluating the environmental politics of the United States, other industrial nations, and multinational corporations. The
This course offers a comparative understanding of the basic values and institutions of American government. The course includes a dialogue between indigenous (native) American and European sources. The focus is on the values of democracy; freedom; individualism; social responsibility; and the institutions of republicanism: the separation of powers; checks and balances; and the free market. The course also provides opportunities to integrate personal experiences with a demonstration of students’ understanding of a variety of contemporary political issues. (DS)

POLS 335 Politics of Food (3)
Pre: ENG 100; ENG 200 recommended.
In this course, students will learn about the processes of food production and how government and corporate involvement have changed the way society eats. We will discuss how food has shaped global history. This class should serve as a space to question our assumptions about political issues surrounding food production and consumption, the links between agribusiness and the food we put on our respective tables, as well as a new way of understanding food issues through a political perspective. (Cross-list SCFS 335) (DS)

POLS 339 Feminist Theory (3)
Pre: ENG 100; ENG 200 recommended.
This class will examine current debates in feminist theory by questioning race, class, gender and sexual orientation as analytic categories through various lenses. Four key components of the class follow: 1) the background to understanding mainstream feminist theory to serve as a baseline; 2) the uses of writing about sexuality further feminist thought; 3) the intersection of post-colonial thought with feminist theory as well as writings by feminists of color and Third World feminists; and 4) the epistemology behind some of the preceding issues.

POLS 342 Indigenous Peoples and Modernity (3)
Pre: ENG 100; ENG 200 recommended.
This course offers a comparative understanding of the growing importance of nations not represented by states - the indigenous peoples of the fourth world. Case studies will draw from the experience of Native Hawaiians, Native Americans, Australian Aborigines, and South African San (among others) to clarify struggles for cultural and political sovereignty, and the growing contribution of such earth-based societies to politics and cosmology beyond modernity. The goal will be to facilitate constructive discourse between indigenous peoples and the citizens of industrial nations. (Cross-list HPST 342)

POLS 370 Politics and Public Policy (3)
Pre: ENG 100; ENG 200 recommended.
An introduction to the processes through which public policy is formulated and executed in the United States and selected foreign political systems. Concern is focused on the comparative study of political relationships of administrative agencies with clienteles; interest groups; and the legislative, executive, and administrative branches. Special attention is also given to questions of administrative responsibility and ethics in the public services.

POLS 371 Global Futures (3)
Pre: ENG 100; ENG 200 recommended.
This course tries to make sense of the multiple crises afflicting industrial society, e.g.: endemic warfare; terrorism; permanent damage to the biosphere; starvation; over-consumption; and the disintegration of family and community life. The following questions are considered: What is the connection between crisis and transformation? How was the world view that sustains our life created? How do world views come and go? The course surveys the creative cutting edge of several disciplines from cultural history to psychology and the natural sciences, clarifying signs of radical transformation. What is the role of the individual in envisioning a future society?

POLS 378 Meaning of Mass Media (3)
Pre: ENG 100; ENG 200 recommended.
This course examines how mass communications increasingly shapes modern values and behavior. The birth of mass communication with the industrial production line at the beginning of the 19th century is traced to the electronic revolution of satellite communication and the Internet. The analysis includes: the differences between propaganda, socialization and education; the central role of advertising and entertainment in modern culture; whose messages get communicated, why, and to what effect; and the ways in which the medium itself determines the content of the message. Possibilities for preferred change are considered.

POLS 381 Hawai‘i Politics (3)
Pre: ENG 100; ENG 200 recommended.
What are Hawai‘i’s most urgent problems? What are their roots? What are the solutions? Pre-contact Native Hawaiian “island politics” is used as a baseline for evaluating the last 200 years of Americanization. This course offers an in-depth understanding of the basic values, institutions, and practices of government in
Hawai‘i, setting up a conversation between indigenous (Native) Hawaiian, European, Asian and other Polynesian voices. The course focuses on economic policy, environmental issues, and democratic participation in decision-making. (Cross-list HPST 381) (DS)

POLS 384 Women and Politics (3)
Pre: ENG 100; ENG 200 recommended.
This course will serve as an examination of women and politics from three different perspectives: local, national, and global. The class examines a broad range of women’s issues. The course will enable students to analyze the formation of gender identity in relation to identities based on race, class, ethnicity, sexual orientation, religion, culture, etc. The class will also consider women as they have been defined throughout time by a society based on men’s ideas of women. This class will focus heavily on women’s activism and resistance as understood through a feminist lens. (DS)

POLS 430 Politics and Film (3)
Pre: ENG 100; ENG 200 recommended.
This course offers a holistic understanding of the unique capacity of film to shape culture, consciousness, society, and politics. In addition to dealing with the explicitly political content and impact of specific films, the course also covers the politics of film: the political economy of film production and distribution. This course is interdisciplinary, integrating material from psychology, anthropology, political economy, and history.

POLS 440 Kānāwai Hawai‘i: Native Hawaiian Law (3)
Pre: HWST 107 or HPST/HUM 304.
This course will examine the ways in which Native Hawaiians have engaged with, and been engaged by, this thing known as “kānāwai” in Hawaiian and “law” in English. We will study traditional Hawaiian forms of law and also trace the evolution of law in Hawai‘i following American and European contact. The course will include an examination of the ways that international law, as well as US federal and state legislation and judicial decisions have affected and continue to affect Native Hawaiian identity, rights, and entitlements in the modern era. (Cross-list HPST 440) (DH)

POLS 450 Pacific Asian Politics (3)
Pre: ENG 100; ENG 200 recommended.
This course examines the political and social factors which determine domestic and foreign policy in China, Japan, India and other Asian nations as well as these countries’ political and socioeconomic links with and throughout the Pacific/Oceania. Topics covered include: political development, immigration and economic issues, government institutions, the forced shaping political decisions and processes of revolution. Previously Asian Politics.

POLS 489 Political Conflict in the Pacific (3)
Pre: GEOG 102 or HPST/GEOG 365
This course examines historical, social, cultural, economic and political factors producing tension and conflict in Oceania, as well as ongoing attempts at conflict resolution. Topics covered may include colonial and political developments and post-colonial arrangements, socioeconomic issues, governance, indigenous and western legal forms. The course analyzes these issues from a multidisciplinary lens. Case studies will be used to examine the themes and will integrate indigenous perspectives from the region to give a holistic analysis of these issues. (Cross-list HPST 489) (DH)

PSYCHONOMY

PSY 100 Survey of Psychology (3)
This course offers an overview of the history and major areas of psychology, including memory and learning, cognition, personality, social psychology, physiological psychology, abnormal psychology, and therapy.

PSY 212 Survey of Research Methods (3)
Pre: ENG 100, PSY 100 and completion or concurrent enrollment in SSCI 210.
A survey of the empirical methods used in psychological research. Topic covered include the scientific method; reviewing literature for hypothesis development; ethical issues in research; the operational definition of variables; observational, self-report and experimental methods; data analysis; Inferential hypothesis testing; and the American Psychological Association writing style.

PSY 231 Physiological Psychology (3)
Pre: ENG 100 and PSY 100.
A survey of the neural and physiological basis of human behavior. This course examines the organization of the nervous system, basic neurophysiology, biological drivers (e.g., eating, drinking, and sexuality), emotions, sleep/wake cycles, brain development, sensory systems,
and the neural basis of learning, memory and selected psychopathologies.

PSY 240 Developmental Psychology (3)  
Pre: ENG 100 and PSY 100.  
This course is designed to explore historical and contemporary perspectives in typical and atypical human growth, development and learning styles. Utilizing a systemic perspective, the course examines physical, emotional, mental, cultural, sexual and moral development throughout the life span.

PSY 250 Social Psychology (3)  
A survey of how the thoughts, feelings and behaviors of the individual both influence and are influenced by interactions with others. Specific topics covered include: the history of social psychology, self concepts, social perceptions, prejudice, social attitudes, conformity, group processes, interpersonal relationships, helping behavior and aggression.

PSY 260 Psychology of Personality (3)  
This course provides a critical examination of major perspectives on personality development, function, measurement, and change.

PSY 322 Learning, Motivation, and Behavior Modification (3)  
Pre: ENG 100 and PSY 100.  
This course provides the conceptual tools for analyzing the functional relationships between behavior and the environment. Practical applications of learning theory principles are developed through behavior modification exercises designed to help students in their own self development efforts.

PSY 323 Comparative Animal Psychology (3)  
Pre: ENG 100 and PSY 100.  
Biological, ecological, social, and learned bases of animal behavior based on laboratory and field investigations.

PSY 324 Psychology of Emotion (3)  
Pre: ENG 100 and PSY 100.  
Survey of traditional views and leading theories, and research in related topics.

PSY 325 Cognitive Psychology (3)  
Pre: ENG 100 and PSY 100.  
Theories, assumptions, empirical findings, and applications of cognitive psychology. Topics include attention, learning, memory, concept formation, communication, inference, and imagery.

PSY 340 Childhood and Adolescence (3)  
Pre: ENG 100 and PSY 100.

Several topics such as infant-caretaker interaction, the nature-nurture controversy, parenting strategies, identity development, and others will be selected and covered in depth.

PSY 342 Educational Psychology (3)  
Pre: ENG 100 and PSY 100.  
The aim of this course is to furnish the prospective teacher with the basic psychological sophistication needed for classroom teaching. Topics include the role and scope of educational psychology; meaning and learning, evaluation and measurement; and social, affective, cognitive, and developmental factors in learning.

PSY 343 Adolescent Development (3)  
Pre: PSY 100.  
This course is designed to explore historical and contemporary perspectives in adolescent growth and development. Specific emphasis will be on the physical, epigenetic, behavioral, cultural, moral, academic, career, and vocational development across the teen years.

PSY 352 Varieties of Sexual Expression (3)  
Pre: ENG 100 and PSY 100.  
This course examines varieties of sexual behavior across cultures and across primate species. Special emphasis is placed on the relationship between social organization, psychological adjustment, and sexuality.

PSY 353 Conflict Resolution (3)  
Pre: ENG 100 and PSY 100.  
Factors contributing to interpersonal and societal conflict are explored along with methods for resolution. Structured role play with mediation and other techniques will be included.

PSY 371 Abnormal Psychology (3)  
Pre: ENG 100 and PSY 100.  
Nature, possible causes, and treatment of abnormal behavior; ethics, issues, and classifications are also presented.

PSY 372 Systems of Psychotherapy (3)  
Pre: ENG 100 and PSY 100.  
A survey of psychotherapeutic approaches that includes each system’s theory of personality development. Special attention will be given to the therapeutic process and the client-therapist relationship.

PSY 373 Counseling Skills (3)  
Pre: ENG 100 and PSY 100.  
Developing expertise in aspects of the helping relationship in group and individual models, including listening and reflection; goal setting; handling
confrontation; concentration and denial; ethical and boundary issues; determining personal style; and group process.

PSY 374 Ethics in Counseling and Psychotherapy (1)
Pre: ENG 100 and PSY 100; and at least one of the following courses: PSY 372, 373, 406 or an appropriate lower-division course in counseling or psychotherapy.
This course familiarizes students with ethical principles, common ethical dilemmas, and processes of ethical decision-making within the fields of counseling and psychotherapy.

PSY 396 Workshops & Special Seminars in Psychology (v)
Pre: ENG 100 and PSY 100.
Topics may include parenting, eating disorders, and management of emotions such as anxiety and aggression. Instruction will be given in various formats that emphasize student participation. Class duration will vary depending on number of credits offered. May be repeated for credit.

PSY 402 History and Systems of Psychology (3)
Pre: ENG 100, PSY 100 and SSCI 300.
This course is designed to explore the evolution of the field of psychology from historical to contemporary perspectives.

PSY 403 Causation and Prevention of Substance Abuse and Addiction (3)
Pre: ENG 100 and PSY 100 and SSCI 300.
This course covers the diagnosis of substance addiction, the nature of the addictive process, causal factors, and primary prevention.

PSY 404 Social Correlates of Psychoactive Drug Use (3)
Pre: ENG 100 and PSY 100.
An examination of the familial, social and cultural aspects of psychoactive drug use. Specific topics covered include a critical analysis of co-dependency; the relationship between drug use and crime; current and historical United States drug use practices and regulations; social aspects of drug use initiation, abuse, addiction and treatment; and drug use in special populations.

PSY 405 Biological Correlates of Psychoactive Drug Use (3)
Pre: ENG 100 and PSY 100.
An examination of the biological actions of psychoactive drugs on the human nervous system. This course covers the structure and function of the nervous system, neural communication, principles of psychopharmacology, the neural basis of drug dependence and biomedical aspects of psychoactive drug use.

PSY 406 Assessment and Treatment of Substance Abuse and Addiction (3)
Pre: ENG 100 and PSY 100.
Focuses on diagnosis, methods, and levels of evaluation; documentation; referral and case management issues; major treatment models (12-step relapse prevention, residential and group modalities, family interventions); stages and processes of change, and ethics.

PSY 407 (alpha) Practicum in Psychology (v)
Pre: Instructor consent.
Opportunities will be provided for supervised experience in local settings such as preschool; elementary school; hospital industry; YMCA; and crisis intervention centers. This course can be taken either in conjunction with an ongoing content course or as applied work after successful completion of an appropriate content course. May be repeated for credit with consent of instructor. Be advised that practicum sites may require current TB clearance and criminal background checks. Note: Students participating in Practicum must sign the UHWO Assumption of Risk and Release Form. This form must be completed and returned to instructor prior to beginning this off-campus activity.

PSY 407B Psychology Practicum: Interventions Related to Substance Use (v)
Pre: ENG 100 and PSY 100; and PSY 403 or 406; and PSY 373, or appropriate courses in counseling skills and substance-related problems.
Supervised experience working in a program focused on the prevention or treatment of substance-related problems. Be advised that practicum sites may require current TB clearance and criminal background checks. Note: Students participating in Practicum must sign the UHWO Assumption of Risk and Release Form. This form must be completed and returned to instructor prior to beginning this off-campus activity.

PSY 408 Group Interventions in Substance Abuse and Addiction (3)
Pre: ENG 100 and PSY 100.
This course provides an understanding of basic theory and practice in group treatment of substance-related disorders, and the opportunity to learn practical skills involved in facilitating groups focused on substance abuse and addiction. Highly recommended for students seeking State certification as Substance Abuse Counselors.

PSY 412 Psychological Testing (3)
Pre: ENG 100 and PSY 100.
The techniques for measuring differences in personality, aptitude and intelligence are covered in this course. The construction and validation of instruments are also
treated. Participants learn the rudiments of administering tests and interpreting test scores.

PSY 422 Magic, Witchcraft, and the Supernatural (3)
Pre: ENG 100 and PSY 100.
A cross-cultural investigation of religious beliefs and practices. The course will cover rites of transition; death and the afterlife; gods; ritual; charismatic religious leaders; religious movements; ghosts; traditional curing; shamanism; demons; witches; and sorcerers.

PSY 429 Seminar in Experimental Psychology (3)
Pre: ENG 100 and PSY 100.
Seminar on recent literature in some field (mutually selected by faculty and student) and appropriate alternative research strategies and techniques. May be repeated for credit with consent of instructor.

PSY 442 Child Psychopathology (3)
Pre: ENG 100 and PSY 100 and PSY 340 and PSY 371.
The purpose of this course is to present an overview of the constructs, models, challenges and cultural factors central to understanding the development of maladaptive behavior disorders in children and adolescents. The emphasis will be to link developmental influences of clinical disorders to normal childhood behavior and the practice of professional consultation and collaboration. The content will center around the etiology, epidemiology, symptomatology, comorbidity, diagnosis, and treatment of childhood psychopathologies. Intervention and prevention strategies and specific clinic/school.

PSY 450 Small Groups (3)
Pre: ENG 100 and PSY 100.
This course will study the small group as a medium for personal growth and improvement of interpersonal communication skills. Special attention will be given to training in the dynamics of group participation and leadership. (Cross-list SOC 450)

PSY 473 Psychology of Healing (3)
Pre: ENG 100 and PSY 100.
This course examines the subjective experience of illness in its social context, the professional definitions of disease, and the effects these have in the psychology of treating patients with serious or chronic medical problems. Emphasis is placed on the connections between mind and body in illness and healing. Previously PSY 475. (Cross-list PUBA 473)

PSY 474 Culture and Mental Illness (3)
Pre: ENG 100 and PSY 100.
A cross-cultural study of mental illness and therapeutic practices comparing Western and non-Western cultures. (Cross-list PUBA 474)

PSY 480 Organizational Behavior (3)
Pre: ENG 100 and PSY 100.
The focus of this course is on the impact of the organizational and industrial environment on the personality of the individual. Course content includes a survey of the factors involved in industry and organizational life, such as job analysis; selection; motivation; worker satisfaction; and styles of leadership. (Cross-list BUSA/PUBA 480)

PSY 96 Selected Topics in Psychology (v 1-6)
Pre: PSY 100.
Topics selected will vary with student interests; emphasis will be on relevancy and application of theory and analysis of problem solving. Examples: aging; early experience; humanism; dream analysis; extrasensory perception; comparative analysis of learning; and environmental problems. May be repeated for credit.

PSY 99 Directed Reading and Research (v)
Pre: Instructor approval.
To be arranged with the instructor.

PUBLIC ADMINISTRATION

PUBA 100 Introduction to Public Administration (3)
An introduction to public sector organizations, programs, management, and leadership. (DS)

PUBA 101 Introduction to Health Care Administration (3)
This course introduces students to the fundamentals of health care administration and the U.S. health care system. Important topics such as the provision of health care, financing, delivery and resources are discussed in a wide variety of health care settings, ranging from hospitals to nursing homes to ambulatory care centers. The various roles of health care providers and administrators are also described. (DS)

PUBA 102 Introduction to Disaster and Emergency Management (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
This is an introductory course designed to expose practitioners and non-practitioners to disaster and emergency standards, techniques, and “best” practices of disaster and emergency management and government agencies and personnel at the national, state and local level. Emphasis will be placed on critical aspects of
disaster and emergency management prior to, during and after the occurrence of a disaster and/or emergency. (DS)

PUBA 103 Introduction to Justice Administration (3)
This course provides an introduction to criminal justice system in the United States. This course topics include description of the major components of the criminal justice system, including police, courts, and corrections. (DS)

PUBA 203 Writing for Government (3)
Pre: ENG 100.
This is an introductory course designed to expose future and present government practitioners to the range of style and conventions of writing used in government. These include proposal writing, policy and procedure writing, writing of reports and executive summaries, memorandum writing, writing for presentations, e-mail writing, and writing in a cultural context.

PUBA 301 Health Care Administration (3)
Pre: Completion of 6 credits.
This course introduces students to the fundamentals of health care management. Roles, functions and skills of health care managers necessary for the continuously changing health care environment are emphasized.

PUBA 302 Health Policy, Politics, and Law (3)
Pre: Completion of 6 credits.
This course examines the role of the United States government in health care; the formation of policy for the health care sector; health care interest groups; as well as political and legal issues for the administration of health care organizations.

PUBA 303 Financial Concepts in Health Management (3)
Pre: Completion of 6 credits.
This course explores the concepts involved in the role and structure of the finance function in health care organizations and examines knowledge and tools for budgeting, reporting, monitoring, and reimbursements.

PUBA 305 Managing Criminal Justice Agencies (3)
Analysis of the structure and management of criminal justice agencies within a systems context. Topics include determining agency mission; policies and procedures; complexities of organizational structure; intra- and inter-governmental coordination of justice personnel.

PUBA 306 Principles of Public Administration (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
Development of governmental administration in the United States and particularly in Hawai‘i: theories of administrative organization; principles and methods of administrative management and executive leadership; interpersonal and intergroup relationships; levels of decision-making; ethics; and responsibility.

PUBA 307 Community Health Analysis (3)
Pre: Completion of 6 lower division credits.
This course examines health data, health information resources, and analytical techniques derived from epidemiology to improve the health of communities.

PUBA 309 Criminal Law and Procedures (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
Materials and cases treating criminal law and procedures within the context of the American polity. Systematic analysis of the role of the citizen in relationship to operational legal principles and procedures of criminal law. An emphasis on contemporary problems and recent court decisions.

PUBA 310 Research Methods in the Public Sector (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
Examines various research methods as applied to different functional areas in the public sector including health care, human services, and others. Topics include field studies, experiments, content analysis, and surveys.

PUBA 311 Design in Public Spaces (3)
Pre: ART 112, ENG 200.
Students learn theory and discourse related to designing for public spaces by examining case studies and examples of social entrepreneurship applied through graphic design vehicles. Students will employ graphic design techniques and utilize industry standard software with the intent to discuss and reflect on approach, method, and theory. (Cross-list ART 311D) (DA)

PUBA 312 Bureaucratic Politics (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
This course is designed to describe and explain the ways in which politics and administration relate. Policy analysis and social criticism are discussed within the context of public administration and the political environment.

PUBA 313 Communication Skills for Administrators (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
Writing and public speaking for the improvement of communication for managers.
PUBA 315 Survey Techniques for Administrators (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
Reviews the general nature of research and its usefulness in problem solving. The application of various survey techniques to the “real world” informational needs of administrators and organizations will be covered. Students will become familiar with such techniques as sampling, questionnaire development, collation of data, and computer programming of data. The incorporation of these techniques into a good research proposal will also be covered.

PUBA 316 Constitutional Law (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
An examination of the nature and development of the United States constitutional system. Emphasis on the role of the courts in interpreting the concepts of separation of powers, federalism, the police power, and the commerce clause. In addition, a study of fundamental rights as protected by the United States Constitution and other legal provisions and the role of the courts in interpreting freedom of expression and conscience, due process, and equal protection of the laws will be covered. (Cross-list POLS 316)

PUBA 318 Managed Care (3)
Pre: Completion of 6 credits.
This course introduces students to the fundamentals of managed care and integrated delivery systems, and emphasizes the various managed care models applicable to the changing health care market.

PUBA 319 Long Term Care (3)
Pre: Completion of 6 credits.
This course introduces students to the management concepts that can be applied to a wide range of long term care settings, including provider, payer, and regulatory organizations.

PUBA 320 Correctional Administration (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
This course will provide an overview of correctional administration in America. It will examine corrections as a social institution; the place of corrections in the criminal justice system; federal and state prison systems; institutional management (staffing, programs and services); and future directions such as the current trend toward community-based corrections.

PUBA 321 Probation, Parole, and Community-Based Corrections (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
Administrative organization and management in probation and parole systems. Problems of work-release and school-release programs for institutional inmates; administration of halfway houses; non-residential programs for probationers, parolees, and drug abusers; community residences for juvenile offenders; supervision of foster care programs.

PUBA 322 Issues in Community Policing (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
An examination of community policing in theory and as actually practiced in various cities. Topics include historical evolution; rationale; implementation strategies; model programs; and methods of evaluating program effectiveness.

PUBA 323 Workplace Violence (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
This course will introduce students to the growing problem of workplace violence in Hawai‘i and across the nation. Predictability and prevention theories and techniques will be examined closely, and applied in an incident analysis approach in a variety of workplace settings.

PUBA 324 Media, Violence, and Crime (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
The nature and scope of crime-related violence in the media with particular emphasis on television, newspapers, and the cinema. An analysis of the impact of media violence on individuals, groups, and society as a whole.

PUBA 325 Ethical Dilemmas in Criminal Justice (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
This course examines ethical issues faced by police, prosecutors, defense attorneys, and other participants in the justice system. Improving ethical behavior through better screening, training, and performance monitoring programs are explored.

PUBA 330 Computer Skills for Administrators (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
This course is designed to acquaint the student with microcomputer hardware and software. Students will be introduced to applications commonly used by
administrators, and will be provided with hands-on experience. The hardware will be Intel-based PCs. The software will include, but will not be limited to, office applications running under Microsoft operating systems. Finally, material on networking, the communications infrastructure, and information systems will be presented. (Not recommended for students who have completed an introductory course in computer applications.) (Cross-list BUSA 330)

PUBA 335 Technology in Public Administration (3)  
The examination of e-government and how it the change to GIS systems affects citizen’s ability to communicate with government offices and officials. Explore major issues of government in meeting the expectations of information dissemination, access to transaction, participation in the decision-making process, and advancement of policy initiatives. Information management and ethical issues in government use of data obtained from citizens.

PUBA 340 Administrative Decision-Making (3)  
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).  
Provides an analysis of the managerial role as a decision-maker. It investigates the logic of the decision-making process, including the effect of environmental factors and the role of quantitative techniques. Consideration is also given to the behavioral implications of decision-making activities.

PUBA 341 Statistics for Decision Making in Public Administration (3)  
Pre: intermediate algebra, MATH 100, MATH 103, MATH 115, or higher-level math with a “C” or better or successful completion of the UH West O‘ahu math placement test.  
Statistical application to public administration. Topics include: descriptive statistics, probability, and applying the concept of statistical inference to actual issues faced by public administrators. This course will focus on examples from public administration such as public finance, criminal justice, and evaluation and planning of government programs at the national, state and local levels.

PUBA 351 Human Resources Administration (3)  
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).  
This course provides a general survey of theories and contemporary practices in the process of public and private personnel administration. In addition to topics such as recruitment and placement, training and development, compensation and performance appraisal, this course will also focus on techniques for motivation, productivity, and creativity associated with individual and organizational effectiveness. (Cross-list BUSA 351)

PUBA 352 Comparative Public Administration (3)  
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).  
Comparative ecology of public administration in selected countries; analysis of similarities and differences in administrative structures and functions in developed and developing nations; practicalities of cross-cultural transferability of administrative concepts and processes.

PUBA 355 Labor-Management Relations (3)  
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).  
Study of labor-management relations; the history, organization, and relationship to the administrative process. Primary focus is on labor-management relations in the private sector, but course will also cover the basic factors which distinguish private from public employment relations. Specific consideration given to current problems on the mainland and in Hawai‘i. (Cross-list BUSA 355)

PUBA 367 Labor-Management Relations in the Public Service (3)  
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).  
Review and analysis of the basic factors which distinguish private from public employment relations, and examination of the development of recent legislation and programs on the federal, state and municipal levels. Specific considerations given to current problems on the mainland and in Hawai‘i.

PUBA 399 Study Abroad (v 1-6)  
Pre: Consent of Faculty Advisor.  
Registration in this course allows enrolled registration status for students studying abroad. Courses completed abroad may remain in this category as elective credit and be applied to a Bachelor’s degree up to a total of 6 credits. Note: Students must complete the Study Abroad Application Packet prior to registration into this course.

PUBA 406 Contemporary Problems of Justice Administration in America (3)  
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).  
Survey of major issues and problems related to the administration of justice in America. Such issues as politics and administration of justice; police discretion; prosecutorial discretion; plea bargaining; criminal defense; trial and sentencing; probation; and parole will be discussed.
PUBA 409 Legal Foundations of Justice Administration (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
Local, state, and federal judicial systems; constitutional, judicial, and legislative influences on the administration of justice.

PUBA 410 Issues in Criminal Investigation (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
Legal and scientific issues and techniques in criminal investigation. Consideration of conduct at the crime scene; interrogation of witnesses and suspects; legal implications of scientific technologies; and presentation of evidence in court.

PUBA 411 Emergency Management and Disaster Preparedness (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
This course will examine emergency management, planning, and response techniques. Emphasis will be placed on effective training and coordination of medical facility personnel, public and non-profit agencies, and the military to deal with a variety of man-made and natural events.

PUBA 414 Public Communication Campaigns (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
Design and implementation of public communication campaigns in such areas as disaster preparedness; crime prevention; environmental protection; and social services. Use of media and interactive skills for increasing knowledge and modifying behavior in targeted populations.

PUBA 415 Juvenile Delinquency (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
An analysis of the different forms of juvenile deviance; their causes, means of control, and societal responses. (Cross-list SOC 431)

PUBA 432 Crime and Literature (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
This course will explore great works of literature with the recurring theme of crime. Works will be chosen that will shed light on the public sector’s response to crime.

PUBA 434 Criminology (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
This course will explore the major theories of crime causation; the measurement of crime and its impact; various crime typologies; and the overall societal reaction to crime and criminal offenders. A major focus of this course is the exploration of possible social programs and policies that might be initiated to achieve a combination of crime reduction and social justice. (Cross-list SOC 434)

PUBA 435 Domestic Violence (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
An examination of domestic violence including theories of causation; prevalence in American society; types of abuse; characteristics of victims and abusers; and responses by the criminal justice system.

PUBA 436 Sex Crimes and Offenders (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
This course will look at the dynamics of sexual deviation, developmental theories of sexual abnormalities, and societal issues associated with different types of sexual offenses. Sexual behaviors to be examined include rape, nuisance sexual acts, incest, pedophilia, and pornography. The theories of sexual deviance, the role and interaction of law enforcement, victim and offender, and treatment and rehabilitation availability will be addressed.

PUBA 446 Contemporary Issues in Health Care (3)
Pre: Completion of 6 credits.
This course provides an overview of the health care system including the growth and changes in the various health care providers, workforce, and settings in the delivery of care. This course also examines current and emerging management, behavioral, technological, and ethical issues in the health care field.

PUBA 460 Environmental Policy Planning and Administration (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
This course will focus on the organization of government agencies in the formation and implementation of public policy on environmental issues. Assessment questions, laws and regulations, and the role of public participation will be covered. This course will also cover environmental management as it relates to both private and public sector. (Cross-list BUSA 460)

PUBA 461 Social Dimensions of Disaster Response (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
Overview of empirical vs. theoretical approaches; human behavior in disaster, myths and reality; group disaster behavior; community social systems and disaster; cultures, demographics and disaster behavior distinctions and model building in sociological disaster research.

PUBA 462 Disaster Recovery and Business Continuation (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
This course is intended for novices in business continuity and disaster recovery planning. Topics include business continuity planning; recovery of information and communication system; the purpose, goals, and objectives of plan development; and initial response to catastrophic events. (Cross-list BUSA 462)

PUBA 463 Disaster Recovery and Hazard Mitigation (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
Household, organizational, and community recovery from disasters discussed in the context of mitigation activities to reduce vulnerability to disasters. Recovery policies, processes, and outcomes are examined at the local, state, and federal levels. Issues related to local adoption of mitigation measures are considered. The course addresses chemical properties of hazardous materials and wastes; legal requirements for their handling, storage, transportation, and disposal; methods of protecting employees, facilities, and the community.

PUBA 464 Terrorism and Emergency Management (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
This course will identify domestic and international terrorist organizations; analyze their objectives and tactics; and examine the law enforcement and military response. Topics will include biological, chemical, and nuclear terrorism; cyber-terrorism; and an assessment of the level of preparedness within the U.S.

PUBA 470 Program Planning and Evaluation (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
Principles and problems of program planning and evaluation. PPBS and other approaches to cost-effectiveness by state governments are explored.

PUBA 473 Psychology of Healing (3)
Pre: PSY 100.
This course examines the subjective experience of illness in its social context, the professional definitions of disease, and the effects these have in the psychology of treating patients with serious or chronic medical problems. Emphasis is placed on the connections between mind and body in illness and healing. (Cross-list PSY 473)

PUBA 474 Culture and Mental Illness (3)
Pre: PSY 100.
A cross-cultural study of mental illness and therapeutic practices comparing Western and non-Western cultures. (Cross-list PSY 474)

PUBA 475 Administrative Law (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
Role and nature of administrative law; procedural requirements; and judicial review of administrative actions; safeguards against arbitrary action; delegation of legislative power; legal principles and trends in the development of public administration. Also includes review and analysis of contemporary problems in administrative law, regulatory administration, informal actions, administrative discretion, and its abuses.

PUBA 476 Health Care Marketing (3)
Pre: Completion of 6 credits.
This course introduces students to methods and models for the analysis, evaluation, and implementation of marketing strategies within the health care environment. Designed to develop skills in segmenting customer and health care markets, brand products and services, enhance a communication strategy to the consumer, and develop pricing approaches. (Cross-list BUSA 476)

PUBA 477 Ethics in Health Care Administration (3)
Pre: Completion of 6 credits.
This course examines global, organizational, and personal ethical issues that arise in the context of health care and introduces students to ethical principles and practices and professional codes of ethics that are relevant to understanding and resolving ethical problems and issues in health care.

PUBA 480 Organizational Behavior (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
The focus of this course is on the impact of the organizational and industrial environment on the personality of the individual. Course content includes a survey of the factors involved in industry and organizational life such as job analysis, selection, training, motivation, worker satisfaction, and styles of leadership. (Cross-list BUSA/PSY 480)

PUBA 481 Ethics and Administration (3)
Pre: Completion of 6 lower division credits (PUBA 100, 101, 102 or 203 highly recommended).
Consideration of the ethical problems that face administrators in the public and private sectors from a theoretical point of view and in application to particular cases. Such issues as corporate responsibility to communities, shareholders, and competitors, bribery, honesty, racialism, ecology, and false or misleading advertising will be discussed. (Cross-list PHIL/BUSA 481)

PUBA 486 Senior Project (v)
Pre: Consent of instructor, one class of upper division writing-intensive (WI) course work.
With assistance from an advisor, students will complete a project based on original or library research related to a particular problem or issue in the chosen field of study. Students will share the results of this learning process with peers and will assist each other in refining communication skills, developing research and information retrieval techniques, and other research-related competencies.

PUBA 490 Administrative Practicum (v)
Pre: Consent of instructor, one class of upper division writing-intensive (WI) course work.
This is a field exercise course. Students are provided internships in either business, education, or government. As an intern, the student is delegated the responsibility of developing the solution to some problem or asked to complete a relevant or characteristic task. Students report on their experience using their understanding of administrative theory and practice. Note: Students participating in Practicum must sign the UHWO Assumption of Risk and Release Form. This form must be completed and returned to instructor prior to beginning this off-campus activity.

PUBA 490B Administrative Practicum (3)
Pre: Consent of instructor.
This internship is intended for students pursuing the certificate in Health Care Administration to gain hands-on experience in the health care field. Students are provided with an internship with an appropriate community health care organization. As an intern, the student is delegated the responsibility of developing the solution to a well-defined problem or is asked to complete relevant administrative tasks. Students report on the experience using their understanding of the health care field.
Note: Students participating in Practicum must sign the UHWO Assumption of Risk and Release Form. This form must be completed and returned to instructor prior to beginning this off-campus activity. May be repeated for credit.

PUBA 490B Selected Topics in Public Administration (v 1-6)
Topics will vary with program relevancy and student interest. May be repeated for credit.

PUBA 491 Directed Reading and Research (v)
Pre: Instructor approval. To be arranged with instructor.

RESPIRATORY CARE

RESP 401 Case Management in Cardiopulmonary Care (3)
Pre: Completion of AS in Respiratory Care at Kapi'olani Community College.
Overview of managed care and significant trends in healthcare policy. The course material covers theoretical concepts of case management, the history and process of case management and how it links to the practice of Cardiopulmonary Care. Examines various case management models and roles, and their application in specialty roles and team models. Study local and national trends in various healthcare settings (acute care, community health, sub-acute, managed care organizations) and the implementation of case management models for the care of patients with cardiopulmonary disorders.

RESP 402 Current Concepts in Cardiopulmonary Care (3)
Pre: Completion of AS in Respiratory Care at Kapi'olani Community College, or equivalent.
Review and analysis of current trends and concepts in the management of patients with cardiovascular, pulmonary, and sleep-associated disorders. The course material covers the evidence and protocol-based approaches to management of significant complex diseases and conditions such as Acute Respiratory Distress Syndrome/Acute Lung Injury (ARDS/ALI), pulmonary tuberculosis, pulmonary hypertension and associated cardiac disease, Chronic Obstructive Pulmonary Disease (COPD), biological epidemics, and asthma management. Students will examine model practice guidelines and pathways, identify and evaluate research findings, and discuss methods for implementing best-practice models in the modern healthcare system.

SAMOA

SAM 101 Elementary Samoan I (4)
This class is the introductory class in Samoan language. Students will begin to develop basic skills in speaking, writing, reading, and listening comprehension. Pronunciation, basic grammar, and increasing vocabulary are important elements of the class. Students will learn to have basic conversations, and they will learn how to write and read simple descriptive sentences. This will be
done through reading chapters in the book linked with classroom lectures, activities, drills, and reviews. The class will be taught within the context of Samoan culture and history.

**SOCIAL SCIENCES**

**SSCI 210 Statistical Analysis I (3)**
Pre: MATH 103 or equivalent course with a grade of “C-“ or better; or COMPASS math placement test score into MATH 135 or higher.
Methods to describe quantifiable data through frequency distribution and graphic methods, sampling, probability, estimation, hypothesis testing, and analysis of variance.

**SSCI 300 Philosophy of the Social Sciences (3)**
The goals of this course are to understand the philosophical bases and historical origins of theories and methodologies in the social sciences. It is an interdisciplinary introduction to the social sciences: how they developed, how they are connected, and how they are used. (DS)

**SSCI 301 Methods and Techniques in Social Science Research (3)**
An examination of the various stages involved in social research. Areas to be covered include the relationship between theory and research methods, sampling and measurement, research designs, data collection instruments, and data analysis and reporting. (DS)

**SSCI 317 Fieldwork and Qualitative Methods (3)**
This course teaches students the analytical skill useful in social sciences research. It also encourages creativity, synthesis, and critical reflection in the research process. It emphasizes qualitative, experiential, cross-cultural research skills, as employed in the natural setting. It critically reflects on the role of the self; historical/political/cultural contexts of research; and the interactions with informants in the production of knowledge. The possibility of applied, collaborative research, and even activism, is examined. Students conduct small projects within the multicultural Hawai‘i community.

**SSCI 326 Hawaiian and Pacific Environments (3)**
This course will examine historic and current ecological principles and human impact on the environment.
Course objectives include: 1) learning about underlying scientific principles which affect Earth’s environment, 2) evaluating problems arising from human interaction with the environment, and 3) examining both scientific and cultural solutions to environmental problems, especially with reference to Hawai‘i.

**SSCI 399 Study Abroad (v 1-6)**
Pre: Consent of Faculty Advisor.
Registration in this course allows enrolled registration status for students studying abroad. Courses completed abroad may remain in this category as elective credit and be applied to a Bachelor’s degree up to a total of 6 credits. Note: Students must complete the Study Abroad Application Packet prior to registration into this course.

**SSCI 410 Statistical Analysis II (3)**
Pre: SSCI 210 or equivalent.
This course deals with the quantitative methods of regression, analysis of variance, and experimental design. It starts with a review of basic descriptive and inferential statistics, followed by simple and multiple regression. Then it covers the principles of experimental design and uses those concepts for analysis of variance. The approach is through case studies and real data analysis.

**SSCI 486 (alpha) Senior Project (3)**
Pre: SSCI 210, SSCI 300, social science methods course required by the student’s concentration (see below), one class of upper division writing-intensive (WI) course work, and consent of instructor.
With assistance from an advisor, students will complete a project based on original or library research related to a particular problem or issue in the chosen field of study. Students will share the results of this learning process with peers and will assist each other in refining communications skills, developing research and information retrieval techniques, and other research-related competencies.
Required methods for each concentration are as follows:
- SSCI 486A (Anthropology): SSCI 317
- SSCI 486E (Economics): SSCI 301 or 410
- SSCI 486L (Political Science): SSCI 317
- SSCI 486P (Psychology): PSY 212
- SSCI 486S (Sociology): PSY 212, SSCI 301, or SSCI 317

A: Anthropology; C: Early Childhood Education; E: Economics; F: Applied Forensic Anthropology; L: Political Science; N: Finance; P: Psychology; S: Sociology

**SSCI 490 (alpha) Social Sciences Practicum (3)**
Pre: Consent of instructor, one class of upper division writing-intensive (WI) course work.
Students are provided an internship with an appropriate community agency. As an intern, the student is delegated the responsibility of developing the solution to a well-defined problem or is asked to complete a relevant task. Students report on the experience using their understanding of the field in which they are working.
Note: Students participating in Practicum must sign the UHWO Assumption of Risk and Release Form. This form
must be completed and returned to instructor prior to beginning this off-campus activity.

A: Anthropology; B: Social Sciences (for Applied Track only); C: Early Childhood Education; E: Economics; F: Applied Forensic Anthropology; L: Political Science; N: Finance; S: Sociology

SSCI 491 Community-Based Education and Service Learning (v 1-3)
This course helps to fulfill UH West O‘ahu’s mission for development of public service activities. Each semester the course will focus on one or more of the following activities: tutoring and/or mentoring immigrant students and/or their parents, working with community resource people, conducting research on Hawaii’s multi-cultural communities and issues of importance to them, participating in workshops that will provide appropriate background and training for these activities.

Requirements: 8 hours per week (on-site, workshops, etc.). (Cross-list HUM 491) Note: This course can also be used as a senior practicum site, with the approval of the student’s Faculty Advisor. Students participating in Practicum must sign the UHWO Assumption of Risk and Release Form. This form must be completed and returned to instructor prior to beginning this off-campus activity. (Cross-list HUM 491.)

SSCI -96 Selected Topics in Social Sciences (v 1-6)
Topics will vary with student interest and relevancy to the program. May be repeated for credit.

SSCI -99 Directed Reading and Research (v)
Pre: Instructor approval.
To be arranged with instructor.

SOCIOLOGY

SOC 100 Survey of General Sociology (3)
Pre: Placement in ENG 100 or concurrent enrollment in ENG 22.
This course introduces the tools used by sociologists to explore and understand society. Social relationships, social structures and processes are explored through major concepts, theoretical perspectives and methods used by the discipline.

SOC 311 Social Stratification (3)
This course provides a study of the tendencies and problems involved in the distribution of wealth, power, status, and prestige in different kinds of social systems.

SOC 313 Sociology of Work (3)
This course examines the changing nature and social organization of work. Topics include labor history and labor organization, employment and unemployment, occupations, impact of technology, and cross-national comparisons.

SOC 324 Race and Ethnic Relations (3)
A general survey of the field of race and ethnic relations with attention to general processes operating in intergroup contact. Areas to be covered include the social construction of race and ethnicity, the social histories of selected American minorities, the structure of intergroup relations, and the nature, forms and consequences of prejudice and discrimination.

SOC 329 Organizations, Individuals, and Society (3)
This course provides an analysis of rationally designed systems of interpersonal behavior. The characteristics, attributes, and problems of bureaucracies such as government, business, and non-profit agencies are considered, as are alternatives to bureaucracies.

SOC 334 Deviant Behavior (3)
This offering focuses on the action systems occurring outside the range of institutional expectations. The analytical tools of sociology (e.g., race, status, reference group, opportunity structure) are applied to facilitate an understanding of aberrant behavior.

SOC 341 Social Behavior (3)
The study of social behaviors from an interdisciplinary approach. Topics will include interpersonal and intergroup relations, class and cultural influences, group dynamics in prosocial and antisocial behavior, and social change.

SOC 352 Sociology of Education (3)
The relationship between education and society is examined from a variety of sociological perspectives and empirical studies. Topics include social mobility and stratification, schools as organizations, and the dynamics of race, class, and gender in education.

SOC 354 Survey of Medical Sociology (3)
Pre: Placement in ENG 100 or consent.
Social factors in disease and treatment; illness behavior, roles of patients and healers; nature of healing professions; use of medical services; alternative systems of medical organization.

SOC 362 Gender, Culture, and Society (3)
An exploration of gender in individual, social, and cultural contexts. Examines the interrelationship of biological and environmental factors, socialization processes, institutional contexts, and prospects for change and gender equity. (Cross-list ANTH 362)
SOC 401 Urban Sociology (3)
This course examines the growth of cities and urban settings on social behavior, relationships, and institutions. Topics include the impact of international migration, issues of urban planning, transportation, communications, housing, families, education, employment, community relations, and services.

SOC 411 Aging in Mass Society (3)
The study of aging in socio-cultural context, with emphasis on theories, methodologies, and research findings in the field. Topics include the status and roles of the aged, demography of aging, resources and social services and the elderly, employment and retirement, and personal and societal responses to aging.

SOC 412 Death, Dying and Bereavement (3)
This course examines the concepts, theories and principles related to death, dying and bereavement. An analysis of the needs and concerns of life-threatened individuals and survivors will be conducted. Emphasis will be placed upon effective support and grief recovery skills. Various social, psychological, cultural, and societal perspectives on dying and grief will be investigated.

SOC 418 Women and Work (3)
This course examines the social construction of work as a gendered set of activities. Topics include the gender division of labor locally, nationally, and internationally; gendered differentials in labor supply, training, wages, working conditions, and unemployment; historical trends and future directions.

SOC 423 Social and Cultural Change (3)
An examination of the causes, processes, and effects of social change in simple and complex societies with emphasis on the major theories of social and cultural change. (Cross-list ANTH 423)

SOC 431 Juvenile Delinquency (3)
An analysis of the different forms of juvenile deviance, their causes, means of social control, and societal responses. (Cross-list PUBA 431)

SOC 434 Criminology (3)
This course will explore the major theories of crime causation, the measurement of crime and its impact, various crime typologies, and the overall societal reaction to crime and criminal offenders. A major focus of this course is the exploration of possible social programs and policies that might be initiated to achieve a combination of crime reduction and social justice. (Cross-list PUBA 434)

SOC 450 Small Groups (3)
Pre: PSY 100.
This course will study the small group as a medium for personal growth and improvement of interpersonal communication skills. Special attention will be given to training in the dynamics of group participation and leadership. (Cross-list PSY 450)

SOC 451 Analysis of Marriage and the Family (3)
This course emphasizes a critical examination of socio-historical continuities and discontinuities in family formations, family dynamics, family activities, and family dissolution. Theoretical and methodological analysis and policy implications will be emphasized.

SOC 456 Peoples of Hawai‘i (3)
An interdisciplinary course utilizing a variety of theoretical perspectives for examining the creation of Hawai‘i’s multi-ethnic culture and society. Topics include the foundation provided by the indigenous culture, changes wrought by cultural contacts, demographic changes, and social movements. (Cross-list HPST 456)

SOC 457 Okinawans Locally and Globally (3)
Pre: ENG 100.
This seminar-format course uses sociological and anthropological concepts and theories to examine the historical conditions which sparked Okinawan immigration to Hawaii and globally. It will survey Ryukyuan and Okinawan history and cultural elements, impact of the Pacific War and current events which have affected Okinawan communities in Hawaii and globally. (Cross-list ANTH 457)

SOC 469 Sociology of Sexuality (3)
Pre: SOC 100 and placement in ENG 100; or consent of instructor.
Application of sociological theories and concepts to the study of human sexuality; examination and analysis of the sexual meaning, values, identities, expressions, institutions, larger trends and social influences related to contemporary sexuality.

SOC 470 Sociological Theory (3)
Pre: SOC 100.
This course will examine sociological theories, with emphasis on the works of classical theorists. The systematic examination of the application of sociological theory to the analysis of specific social problems, issues, and institutions will be emphasized. Attention will be given to the relevance of classical perspectives on current and future sociological theory.

SOC 496 Selected Topics in Sociology (v 1-6)
Topics selected will vary with student interests; emphasis will be on relevancy and application of theory and
analysis to problem solving. Example: The Japanese Community in Hawai‘i. Course content will vary. May be repeated for credit.

SOC -99 Directed Reading and Research (v)  
Pre: Instructor approval.  
To be arranged with the instructor.

SPECIAL EDUCATION  
Restricted to Education majors.

SPED 304 Foundations of Inclusive Schooling (3)  
Pre: EDEF 200 and EDEF 201 with a grade of C or higher, or concurrent enrollment. Foundations of Inclusive Schooling explores historical, legal, social, political and economic foundations of special education. Teacher candidates will explore strategies that work effectively with students with disabilities, their families and professionals to understand the culture of disability. Particular attention will be paid to differentiating instruction. There are 20 hours of service learning required as part of this course.

SPED 405 Education and Special Needs Students (3)  
Pre: APTE approval*.  
This course is an introduction to the integration and inclusion of special needs students into the regular elementary education classroom. Prospective teachers learn the competencies necessary for successful inclusion.

SPEECH  

SP 151 Personal and Public Speaking (3)  
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.  
This course is designed to give students experience in public speaking, as well as to introduce students to the field of communication. The course is divided into four areas: 1) principles of communication, 2) interpersonal communication, 3) group and team communication, and 4) public communication.

STUDENT DEVELOPMENT  

SD 100 The University Experience (1)  
Pre: Placement in ENG 100 or concurrent enrollment in ENG 22.  
This course is designed to educate first-year students on how to succeed at the university, develop a better understanding of the learning process and acquire academic skills and knowledge essential for success in college and in life. It covers the purposes of higher education and potential roles of individual students within the university and other learning environments.

SD 101 Summer Bridge (1)  
Summer Bridge is a course that introduces first-time freshmen to University of Hawaii – West Oahu environment and college experience prior to entering the fall term. This course provides a bridge to help freshmen transition high school to college and assists these students by exposing them to college-level expectations in English, math and science coursework. The course also includes college study skills enrichment, and, provides the opportunity to build relationships and network with their peers, faculty and staff.

SD -96 Selected Topics (v)  
Pre: Placement in ENG 100 or concurrent enrollment in ENG 22.  
Topics will vary with student interest and relevancy to the program. May be repeated for credit.

SD -99 Directed Reading and Research (v)  
Pre: Instructor approval.  
To be arranged with instructor.

SUSTAINABLE COMMUNITY FOOD SYSTEMS  

SCFS 300 Survey of Sustainable Community Food Systems in Hawai‘i (3)  
Drawing extensively from the experiences of farmers and food systems professionals, the course provides a social and ecological analysis of the existing food and farming systems of Hawaii. Discussion of the key social, economic, and political obstacles to greater sustainability in the Hawai‘i food system will be emphasized.

SCFS 310 Introduction to Agroecology (3)  
The course explores farming systems from an ecological perspective. Topics include: ecological and social impacts of agriculture; the agroecosystem concept; ecological processes in agriculture; principles and practices of ecologically based soil fertility and pest management; biodiversity and ecosystem services in agriculture; ecological and social indicators of agricultural sustainability; comparative analyses of agroecosystems; and socio-economic interactions with biophysical factors. (DB)

SCFS 335 Politics of Food (3)  
Pre: ENG 100; ENG 200 recommended.  
In this course, students will learn about the processes of food production and how government and corporate involvement have changed the way society eats. We will discuss how food has shaped global history. This class
should serve as a space to question our assumptions about political issues surrounding food production and consumption, the links between agribusiness and the food we put on our respective tables, as well as a new way of understanding food issues through a political perspective. (Cross-list POLS 335) (DS)

SCFS 485 Cross-Cultural Environmental Ethics (3)
Pre: ENG 200
Cross-Cultural Environmental Ethics is designed to engage students in the study of comparative environmental ethics, surveying the diversity of moral and ethical traditions human cultures have developed in relationship to the non-human world.

WOMEN'S STUDIES

WS 151 Introduction to Women's Studies (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Introduction to feminist interdisciplinary analysis from global and critical perspectives; relationships between women and men from Asia-Pacific, Hawaiian, and other cultures, with a focus on gender, race, class, and sexual dynamics; exploration of women's negotiations with institutional dynamics. (DS)

ZOOLOGY

ZOOL 101 Principles of Zoology (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Coreq: ZOOL 101L.
This course is an introduction to the study of animal life. Basic principles of biology will be covered, including the mechanisms of digestion, circulation, osmoregulation, excretion, locomotion, nervous activity, and reproduction in representative groups of animals. The evolution of animals and the mechanisms of genetics and evolution will also be covered. The interactions of organisms with their environment and basic ecological principles will be investigated. This course is designed for the non-science major.

ZOOL 101L Principles of Zoology Laboratory (1)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Coreq: ZOOL 101.
This course is a laboratory course to provide an introduction to the study of animal life. The basic principles of biology will be covered, including the mechanisms of digestion, circulation, osmoregulation, excretion, locomotion, nervous activity, and

ZOOL 200 Marine Biology (3)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Coreq: ZOOL 200L.
This course is an introduction to the biological, chemical, and physical characteristics of marine environments, with a focus on Hawai‘i. Hawaiian marine animals and plants, their ecological relationships, structures, and systematics will be investigated. Various shallow water habitats on O‘ahu, including tidepools, mudflats, and coral reefs, will be explored. The use and pollution of these environments will be discussed. This course consists of two lecture periods. Note: Must be taken concurrently with Zoology 200L. (DB)

ZOOL 200L Marine Biology Lab (1)
Pre: Placement into ENG 100 or concurrent enrollment in ENG 22.
Coreq: ZOOL 200.
Zoology 200L is an introduction to the biological, chemical, and physical characteristics of marine environments, with a focus on Hawai‘i. Hawaiian marine animals and plants, their ecological relationships, structures, and systematics will be investigated. Various shallow water habitats on O‘ahu, including tidepools, mudflats, and coral reefs, will be explored. The use and pollution of these environments will be investigated. This course consists of one lab period. Note: Must be taken concurrently with Zoology 200. (DY)