Honolulu Community College

Instructional units: Liberal Arts (CLO, PLO, ILO)

Date: 11-18-2020

ILO

- Critical Thinking: Effectively analyze arguments, assumptions, and problems, and draw conclusions.
- Information Literacy: Form strategies to locate, evaluate, and apply information, and know the ethical and legal issues surrounding information and information technology.
- Effective Communication: Actively express and exchange ideas through listening, speaking, reading, writing, and other modes of interpersonal expression.
- Quantitative Reasoning: Effectively analyze numerical data, solve quantitative problems, and apply mathematical concepts.
- Career Preparation: Demonstrate knowledge and skills to successfully move to a baccalaureate education or selected vocation.
- Community Awareness and Social Responsibility: Demonstrate and apply an understanding of moral and ethical issues that pertain to the environment, social justice, and cultural diversity.

General Education (HAP)

- Analyze issues using the conceptual and ethical frameworks and practices of the cultural perspectives, values, and worldviews of the Indigenous peoples of Hawai‘i and the Pacific and/or Asia.
- Demonstrate respect and empathy as defined by the Indigenous peoples of Hawai‘i and the Pacific and/or Asia in interpersonal and intergroup relationships.
- Explain how Native Hawaiian issues intersect with Asian and/or Pacific Island issues.
- Integrate understanding of the histories, cultures, beliefs, arts, social, political, economic or technological processes in their analysis of Hawai‘i, and the Pacific and/or Asia.

Liberal Arts (AA)

- Communicate effectively by means of listening, speaking, reading, and writing in varied situations.
- Apply quantitative reasoning skills to solve problems, evaluate arguments and chains of reasoning, and interpret information.
- Demonstrate an understanding of the life processes, individual development, thinking, and behavior.
- Demonstrate an understanding of the natural environment of the planet and learn to utilize natural resources sustainably.
- Demonstrate a comprehension and skill with research methods and scientific inquiry.
- Display knowledge of different groups and organizations in societies and respect for varied cultural values.
- Demonstrate a greater ethical understanding and reasoning ability about contemporary ethical issues.
- Identify and articulate in a reasoned manner the roots and causal basis of contemporary issues.
- Demonstrate a knowledge of one or more art forms and the role that the arts play in history and culture.

Asian Studies Certificate outcomes: Hosted under Asian Studies
Hawaiian Studies Certificate outcomes: Hosted under Hawaiian Studies
Natural Sciences Certificate outcomes: Hosted under Physiology
Sustainability Certificate: Hosted under Geography and Environment

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<th>Arts and Humanities</th>
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<td>Accounting</td>
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<tr>
<td><strong>PLO</strong></td>
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<td>ACC201 - Intro to Financial Accounting</td>
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<td>• Acquire a general understanding of Accounting and the many different types of related occupations.</td>
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<td>• Analyze the financial strength of a company via financial ratios.</td>
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<tr>
<td>• Demonstrate an understanding of various basic accounting transactions formats.</td>
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<td>• Interpret financial data and record such transactions in a journal entry format.</td>
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<tr>
<td>• Organize and summarize financial transactions into meaningful information for the external users.</td>
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<tr>
<td>• Perform basic accounting functions and analysis including journal entries, bank reconciliation and the compilation of financial statements.</td>
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<td>• Read and understand financial statements including income statements and balance sheet.</td>
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### ACC202 - Intro to Managerial Accounting
- Calculate break-even analysis, ratio analysis and the use of funds.
- Demonstrate an understanding in the cost accounting systems that operate in manufacturing, merchandising and service industries.
- Demonstrate an understanding of the methods used to analyze the financial health of an organization for internal users.
- Develop a working knowledge of the cost and management accounting concepts and techniques (including activity-based costing, process costing, planning and decision making.).
- Develop an understanding in the relationship between revenue and cost management concepts and techniques to particular service delivery forms and structures.
- Distinguish between the characteristics of product and service delivery.
- Explain the nature of cost accounting and accounting for product costs.
- Use cost and management accounting information for planning, decision-making and control, given the appropriate context.

### American Studies

**PLO**
- No PLOs

**CLO**

**AMST150 - America and the World**
- Demonstrate knowledge of how the United States has developed in comparison to other societies in historical and contemporary times.
- Demonstrate knowledge of political, economic, and sociocultural connections between the United States and societies in Europe, Africa, the Americas, Asia, and the Pacific, since 1492.
- Effectively use writing and/or oral communication to argue and/or respond.
- Use critical thinking to assess and evaluate a variety of cultural artifacts (literature, primary documents, film, music, etc.), as well as secondary sources concerning historical and present-day sociopolitical issues.

**AMST201 - American Exp:Inst & Movements**
- Demonstrate knowledge of how diverse social movements have challenged and changed American institutions.
- Demonstrate knowledge of the diversity of America's people and their values and experiences.
- Effectively use writing and/or oral communication to argue and/or respond.
- Identify different scholarly approaches to American Studies.
- Use critical thinking to assess and evaluate a variety of cultural artifacts (literature, primary documents, film, music, etc.), as well as secondary sources concerning historical and present-day sociopolitical issues.

**AMST202 - Amer Exp: Culture & the Arts**
- Demonstrate knowledge of how American culture and the arts provide diverse perspectives about American history.
- Demonstrate knowledge of how American culture and the arts reflect and advance changing American values and identities.
- Effectively use writing and/or oral communication to argue and/or respond.
- Identify different scholarly approaches to American Studies.
- Use critical thinking to assess and evaluate a variety of cultural artifacts (literature, primary documents, film, music, etc.) as well as secondary sources concerning historical and present-day sociopolitical issues.

### Art

**PLO**
- No PLOs

**CLO**

**ART101 - Introduction to Visual Arts**
- Appreciate the visual arts' influences on the quality of life.
- Demonstrate a familiarity with major historical and contemporary movements in art, and be able to understand how art reflects its time.
- Demonstrate a knowledge and understanding of the elements of art, principles of design, and the creative process.
- Demonstrate an understanding of the various art media.
- Incorporate writing as a tool for analyzing art forms.
ART107D - Intro to Digital Photography
- Create a variety of visual statements through digital photography.
- Demonstrate knowledge of digital photography often required at entry-level positions.
- Demonstrate knowledge of software required for manipulation of digital images.
- Demonstrate knowledge of the basic history of digital photography.
- Know how to operate most other SLR and Point-and-Shoot digital cameras
- Successfully operate his/her own digital camera.
- Understand and apply the principles of basic photographic composition.
- Understand and apply the principles of basic photographic lighting.

ART111 - Intro to Watercolor Painting
- Complete the creative problem-solving process from discovery and planning to implementation and evaluation.
- Demonstrate a basic understanding of watercolor painting materials, techniques and terminology.
- Demonstrate an understanding of the use of the physical properties of watercolor paints.
- Develop a painting from observation using a viewfinder and thumbnail sketches.
- Select and use watercolor materials.

ART112 - Intro to Digital Art
- Apply the visual elements of line, shape, value, color, texture, space, time and motion as well as the design principles of balance, rhythm, emphasis, contrast, variation and unity in the creation of digital art works.
- Complete the creative problem-solving process from the preliminary planning stage and exploration through revisions to the final product.
- Demonstrate how digital graphics are used as a contemporary art tool.
- Understand basic animation concepts and demonstrate basic animation skills.
- Use appropriate software based on industry applications.
- Use digital graphics to generate personal visual images.
- Use several digital graphic systems, graphic software packages, and input/output devices.
- Use the vocabulary and technological processes of digital graphics.
- Work effectively as a team member as well as achieving individual creative decisions.

ART113 - Introduction to Drawing
- Demonstrate a skillful use of a variety of drawing materials and techniques.
- Demonstrate an ability to articulate a qualitative evaluation of one's own and others' work.
- Demonstrate hand-eye coordination.
- Develop an awareness of the interaction of seeing, imagining, and drawing.
- Use the basic elements of the visual arts (line, value, shape, texture, modeling, pattern, composition) to arrive at an illusion of space, image and form.

ART115 - Introduction to 2D Design
- Appreciate and understand the role of design in the contemporary world.
- Complete the creative problem-solving process from the preliminary planning state and exploration through revisions to the final product.
- Comprehend and apply to specific assignments the visual elements of line, shape, value, color, texture, space, time and motion, and the design principles of balance, rhythm, dominance, contrast, variation and unity.
- Demonstrate awareness of structure in design, and employ design theory in relation to practical applications.
- Learn to skillfully use traditional and contemporary design media.

ART123 - Introduction to Painting
- Complete the creative problem-solving process from planning and discovery to implementation and evaluation.
- Comprehend and apply to specific assignments the visual elements of line, shape, light and shadow, color, texture, space and motion, the design principles of balance, rhythm, dominance, contrast, variation and unity.
• Demonstrate an understanding of painting materials, procedures and terminology.
• Demonstrate an understanding of the painting process from thumbnail sketches and canvas preparation to the completion of a painting.

ART196 - Sustainable Art and Design
• Evaluate their ethical choices in terms of the products they purchase and use everyday.
• Exhibit improved communication skills through the process of giving a presentation and writing a paper on an artist or designer of their choice.
• Explain how one's choices of works of art influences nature, one's community, and culture.
• Identify key artists and designers who use sustainability practices or who have a sustainability message, both past and present.
• Identify, articulate, and evaluate the ethical perspectives of others and themselves regarding sustainability.
• Interpret a work of sustainable art or design in terms of its effectiveness in contributing to our sustainable world, as well as in terms of subject matter, medium, form and content.

ART213 - Intermediate Drawing
• Demonstrate an ability to focus on the "process" of drawing through the various developmental states of observation, analysis, construction, reorganization and transformation.
• Demonstrate an ability to integrate the dynamic nature of the picture plane with the representational aspects of drawing.
• Demonstrate an increased familiarity with the language of art, the basic vocabulary of drawing: line, shape, value, color, form and space; to organize these elements and their relationships.
• Develop skills in drawing as a descriptive language for greater personal expression.
• Experience drawing as a way of "seeing" involving all the faculties of the mind: perception (observation, sensation), intellect (analysis, organization, synthesis), intuition and emotion.

ART214 - Life Drawing
• Apply the visual elements of line, shape, volume, mass, value, color and space, and the design elements of balance, proportion, rhythm, movement and dominance to the drawing process.
• Demonstrate a knowledge of the structural anatomy of the human figure.
• Develop proficiency in the use of a variety of drawing materials and techniques.
• Draw the human figure expressively.
• Draw the human figure with some accuracy.

ART223 - Intermediate Painting
• Acquire a working knowledge of recent developments in the pictorial structure of painting.
• Begin to develop original and personal concepts and techniques.
• Demonstrate an understanding of the painting technical process.
• Develop language skills in critical evaluation of paintings.
• Perceive and paint shape, edges, color relationships and space with increased sensitivity and personal confidence.
• Understand the dynamic organization of pattern, two and three dimensional space and rhythmic demands of the flat picture plane.

Asian Studies

Asian Studies Certificate
• Apply quantitative reasoning skills to solve problems, evaluate arguments and chains of reasoning, and interpret information.
• Communicate effectively by means of listening, speaking, reading, and writing in varied situations and understanding basic quantitative information (mathematical skills).
• Demonstrate a comprehension and skill with research methods and scientific inquiry.
• Demonstrate an understanding of the life processes, individual development, thinking process, and behavior as well as an understanding of the natural environment of the planet and learn to utilize natural resources without damaging the environment.
• Display knowledge of different groups and organizations in societies and respect for varied cultural values.

CLO

ASAN100 - Asian Perspectives
• Analyze and describe contemporary issues and perspectives of Asia.
• Contrast and compare current trends of change in Asia and their relevance for the region and the world in the 21st century.
• Discuss the geography of Asia and interrelationships with the rest of the world.
• Express in writing or speaking, components of traditional and contemporary Asian political, social, economic and cultural patterns and institutions.
• List and describe Asian cultural traditions, lifestyles, aesthetic expressions and their contemporary relevance.

ASAN201 - Introduction to East Asia
• Describe basic family structures within East Asian societies and be able to describe the differences and similarities in family structure across cultures.
• Describe geographical, demographic, political, and cultural structures of various Asian societies.
• Describe the state of international relations in contemporary East Asia and relate that to current events.
• Identify the basic precepts of various East Asian religions and be able to make comparisons regarding the social impact of those religions in different times and contexts.
• Make informed comparisons between East Asian societies in terms of modern cultural, political, and economic developments.
• Relate global, regional, and local events and issues to regional and local developments in various East Asian societies.

ASAN202 - Intro to South/Southeast Asia
• Describe basic family structures within East Asian societies and be able to describe the differences and similarities in family structure across cultures.
• Describe geographical, demographic, political, and cultural structures of various Asian societies.
• Describe the state of international relations in contemporary East Asia and relate that to current events.
• Identify the basic precepts of various East Asian religions and be able to make comparisons regarding the social impact of those religions in different times and contexts.
• Make informed comparisons between East Asian societies in terms of modern cultural, political, and economic developments.
• Relate global, regional, and local events and issues to regional and local developments in various East Asian societies.

ASAN241 - Civilizations of Asia I
• Construct a written argument on a historical topic, including presentation of the main points of the argument, and an organized structure that analyzes evidence in order to discover whether the main point is supported, and use of proper style and citation of evidence.
• Demonstrate the ability to use cause and effect reasoning to analyze Asian history.
• Frame and investigate basic questions of historical causality and change, using primary and secondary sources and basic research and analysis techniques.
• Identify and discuss the primary cultures and actors in Asian history between 1500 CE and the present at a level of knowledge appropriate for second year history students.
• Interpret the meaning of events within the context of the history and interaction of Asian states and relate them to contemporary realities. Differentiate and compare the historical processes of the various states of Asia both individually and as an Asian unit, and pose relevant questions about the place of Asia in the world context of history.
• Review and assess some of the major historical issues current in the study of Asian history.

ASAN242 - Asian Civilizations II
• Construct a written argument on a historical topic, including presentation of the main points of the argument, and an organized structure that analyzes evidence in order to discover whether the main point is supported, and use of proper style and citation of evidence.
• Differentiate and compare the historical processes of the various states of Asia both individually and as an Asian unit, and pose relevant questions about the place of Asia in the world context of history.
• Frame and investigate basic questions of historical causality and change, using primary and secondary sources and basic research and analysis techniques.
• Identify and discuss the primary cultures and actors in Asian history between 1500 CE and the present at a level of knowledge appropriate for second year history students.
• Interpret the meaning of events within the context of the history and interaction of Asian states and relate them to contemporary realities.
• Review and assess some of the major historical issues current in the study of Asian history.

ASAN250 - Asian Politics Since 1900
• Describe major political, economic, and social processes since 1900 of ten Asian countries.
• Describe the political and economic policies that these countries used to develop their societies.
• Describe the political structures and processes that produced these policies.

ASAN296C - Asian Popular Culture
• Analyze what popular culture products can tell us about the values, goals, political and social views and economic status of the target market at which they are aimed.

• Apply communication theories to popular culture products by identifying the elements of the product and analyzing the way it communicates to its target and ancillary markets.

• Describe the characteristics of Asian popular culture fans and market structures.

• Describe theories of communication which apply to popular media and culture studies.

• Identify target markets and market segments for which specific popular culture products are intended.

### Communication

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### History

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#### HIST151 - World History to 1500

• Demonstrate an ability to compare and contrast historical experiences across cultures and time.

• Demonstrate the ability to analyze and explain cause and effect relationships in history.

• Demonstrate their understanding of the historical roots of current events.

• Describe and define major historical events, ideas, places, people and other items of historical import.

• Summarize key ideas in history including major world philosophies, religions, and political theories and systems.

#### HIST152 - World History since 1500

• Demonstrate an ability to compare and contrast historical experiences across cultures and time.

• Demonstrate the ability to analyze and explain cause and effect relationships in history.

• Demonstrate their understanding of the historical roots of current events.

• Describe and define major historical events, ideas, places, people and other items of historical import.

• Summarize key ideas in history including major world philosophies, religions, and political theories and systems.

#### HIST231 - Modern European Civilization I

• Communicate in written form to present clearly argued and supported analysis.

• Compare and contrast diverse societal responses to common human issues.

• Demonstrate ability to analyze and integrate primary source materials into a more developed historical understanding.

• Demonstrate ability to assess and evaluate historical material on the Internet.

• Demonstrate understanding of the experiences and effects of regional and global transformations in political, social, economic and technological systems.

• Describe and compare unique developments and contributions of diverse European cultures/societies.

• Identify and comprehend the historical roots of current issues and controversies.

• Identify patterns in cause and effect relationships and human experiences, and relate this knowledge to current events and issues.

• Synthesize complex material presented in written and verbal format.

#### HIST232 - Modern European Civilization II

• Communicate in written form to present clearly argued and supported analysis.

• Compare and contrast diverse societal responses to common human issues.

• Demonstrate ability to analyze and integrate primary source materials into a more developed historical understanding.

• Demonstrate assessment and evaluation of historical material on the Internet.
• Demonstrate understanding of the experiences and effects of regional and global transformations in political, social, economic and technological systems.

• Describe and compare unique developments and contributions of diverse European cultures/societies.

• Identify and comprehend the historical roots of current issues and controversies.

• Identify patterns in cause and effect relationships and human experiences, and study the relationship of this knowledge to current events and issues.

• Synthesize complex material presented in written and verbal format.

**HIST241 - Civilizations of Asia I**

• Demonstrate an understanding of historical foundation and its role in the current movement of change in Asia and its global impact on the rest of the world.

• Demonstrate the ability to synchronically and diachronically (cause and effect) analyze historical and current issues of Asia.

• Describe and explain major historical events, ideas, places, people, and its impact and transformation upon history.

• Express an ability to compare and contrast historical events that affect and change traditional cultures.

• Summarize key ideas in history that influenced and shaped a culture, such as major philosophies, religions, political theories and government systems.

**HIST242 - Civilizations of Asia II**

• Demonstrate an understanding of historical foundation and its role in the current movement of change in Asia and its global impact on the rest of the world.

• Demonstrate the ability to synchronically and diachronically (cause and effect) analyze historical and current issues of Asia.

• Describe and explain major historical events, ideas, places, people, and its impact and transformation upon history.

• Express an ability to compare and contrast historical events that affect and change traditional cultures.

• Summarize key ideas in history that influenced and shaped a culture, such as major philosophies, religions, political theories and government systems.

**HIST246 - The Vietnam War**

• Demonstrate a knowledge of the historical impact of the Vietnam War.

• Demonstrate an ability to analyze and explain cause and effect relationships in the Vietnam War.

• Demonstrate an understanding of the historical causes of current events.

• Demonstrate the ability to compare and contrast the historical experiences of the participants in the War.

• Describe significant people involved in the War.

• Summarize key events that occurred during the War.

**HIST250 - World History & Film**

• Create and sustain a critical written argument about the relationship of a filmic artifact to history and to its own time.

• Demonstrate an ability to compare and contrast historical experiences across cultures and time.

• Demonstrate critical thinking skills including historical reasoning skills, precision in expressing ideas, accuracy, breadth and depth in understanding ideas, and fairness in expressing new thoughts.

• Demonstrate recognition of, and ability to think critically about, the contrast between history and historiography (historical interpretation).

• Demonstrate understanding of the historical roots of current events.

• Describe the way in which key ideas and events in history as portrayed in film and literature are metaphors for contemporary problems and questions.

• Describe the ways in which history is used as a way to understand contemporary society.

**HIST281 - Intro to American History I**

• Apply historiographical developments and theories to analyses of American history.

• Demonstrate an understanding of the historical roots of current events.

• Describe and define major historical events, ideas, places, people and other items related to American history.

• Describe causes and consequences of various social, religious, political, economic, scientific, and technological developments in American history.

• Describe regional differences in the development of the American colonies and states.

• Describe the significance of race, class and ethnicity in shaping historical experiences.
HIST282 - Intro to American History II
- Apply historiographical developments and theories to analyses of U.S. history.
- Demonstrate an understanding of the historical roots of current events.
- Describe and define major historical events, ideas, places, people and other items related to U.S. history.
- Describe causes and consequences of various social, religious, political, economic, scientific, and technological developments in U.S. history.
- Describe regional differences in the history of the United States.
- Describe the significance of race, class and ethnicity in shaping historical experiences.

HIST284 - History of Hawaiian Islands
- Analyze past events in Hawaiian history by using multiple sources, understanding historical context, and evaluating impact over time.
- Analyze the role and importance of individuals in Hawaiian History.
- Describe the social, religious, political, and economic changes in Hawai'i from the late 18th century through the 20th century.
- Examine the values and cultural traditions of Native Hawaiians in relation to one's own values and culture.
- Trace the development of Hawai'i's multi-cultural society and explain its enduring influences in our modern times.

HIST288 - Survey of Pacific Islands Hist
- Demonstrate an understanding of how key historical processes affect the present state of the Pacific Islands region from a multi-cultural perspective.
- Demonstrate the intersection of Asian and Pacific Island cultures with Native Hawaiian culture regarding a number of key historical processes.
- Discuss key historical processes using a multi-disciplinary approach that comes from the cultural perspectives, values and world views rooted in the experience of peoples indigenous to Hawai'i, the Pacific, and Asia.
- Explain historical change and continuity in the Pacific Islands by emphasizing key processes (i.e. migrations, cross-cultural encounters and exchange, religion, imperialism, nationalism, decolonization, global war etc.)

HIST296E - World Environmental History
- Analyze how historical experiences and societal developments have been influenced by the natural environment.
- Communicate in written form to present clearly argued and supported analyses.
- Compare and contrast regional examples of human societies and their usage and impact on the natural world.
- Demonstrate an ability to research, assess and evaluate historical resources.
- Explain how historical events and developments impacted the environment, such as the agricultural revolution, urbanization, industrialization, and colonization.
- Understand and engage in historical and contemporary debates related to humans’ relationships with the environment.

HIST296M - Intro to Asian American
- Analyze the formation and development of Asian communities in the Americas and Hawai'i.
- Demonstrate an ability to analyze and explain cause/effect relationships.
- Demonstrate an understanding of the historical roots of current events.
- Describe global processes and events (e.g. agricultural advancements, imperialism, world wars, ecological and environmental changes) and evaluate their impact on Asian migrations.
- Develop original written and oral arguments based on historical research and analysis.
- Evaluate the historiography of the field of Asian American history.

Music

PLO
No PLOs

CLO

MUS106 - Intro to Music Literature
- Discuss musical works using musical terms and expressions.
- Identify aurally major musical elements, forms and styles covered in lectures and texts.
• Know relevant facts and figures about musical works, composers, and poetry as relevant in understanding musical styles.

**MUS107 - Music in World Cultures**
• Compare and contrast one's own music within the broader context of other music traditions.
• Demonstrate a broader understanding of the role of music in different cultures.
• Describe and analyze the validity of other music traditions.
• Describe the distinctive aural features and music aesthetics of a music culture.
• Describe the historical, religious, social and political aspects of a society that contribute to the development of a music culture.

**MUS114 - College Chorus**
• Give examples of basic vocal technique through solo and ensemble vocal performances.
• Identify and solve problems of and experience performance in a variety of physical settings.
• Identify the importance of ensemble singing in terms of musicianship and performance practice.
• Identify the origin and musical elements of the repertoire presented.
• Identify, list and demonstrate the attributes of performance etiquette.

**MUS121B - Voice 1**
• Identify and distinguish between different basic notational concepts.
• Identify, define and distinguish between the differences in tone production, the breathing apparatus, interpretation and the qualities of an artist.
• Identify, demonstrate and define a wide variety of singing styles.
• Sing a series of vocal solos with close attention to techniques demonstrated in class.

**MUS121D - Guitar 1**
• Apply the basic principles in accompanying and arranging a composition.
• Demonstrate knowledge of tone production, scales, arpeggios, harmonic progressions and music forms.
• Perform elementary solo and ensemble literature.
• Recognize and analyze a variety of techniques and guitar styles.
• Recognize and demonstrate an understanding of basic music notation concepts.

**MUS121Z - Ukulele 1**
• Clap, write, and count aloud various rhythmic progressions.
• Demonstrate knowledge of the ‘ukulele in Hawaiian music culture and history.
• Identify and perform basic strumming patterns and techniques.
• Identify and perform standard Hawaiian repertoire written specifically for the ‘ukulele.
• Locate and name the notes on the fretboard.
• Play major and minor scales and basic chord progressions.
• Read and perform from three types of notations for the ‘ukulele (modern staff notation, chord notation, and tablature).
• Select, modify, and perform music of other genres on the ‘ukulele.
• Tune the instrument properly using the tuning-by-ear method.

**MUS122D - Guitar 2**
• Demonstrate an understanding of more advanced notation and style interpretation.
• Demonstrate basic playing skills (major and minor scales, arpeggios, etudes, tremolos, and other exercises on an intermediate level).
• Demonstrate the ability to play accompaniments and solo works.
• Perform solo and ensemble literature in public recitals/concerts.

**MUS122Z - Ukulele 2**
• Examine the importance of the ‘ukulele in Hawaiian music, culture, and island history.
• Identify and demonstrate various rhythmic patterns.
• Identify and perform picking and strumming techniques.
• Identify and perform standard Hawaiian repertoire specifically written for the 'ukulele.
• Identify and play intermediate chord progressions.
• Identify, harmonize, and perform chord progressions from major and/or minor scales.
• Intelligently discern/critique various genres, techniques, and 'ukulele playing styles that demonstrate the function and role of the 'ukulele in various music situations.
• Make an instrumental chord-solo style arrangement: arrange and write out a selected music composition in standard notation, chord box, and tablature.
• Read, perform, and write from three forms of notation for 'ukulele in all fretboard positions (popular chord notation, standard notation, and tablature).

MUS253 - Elementary Music in Action
• Apply the basic principles of music theory to create song arrangements and compose a music composition.
• Demonstrate an understanding of music structure and performance.
• Explain and demonstrate basic terminology and concepts from Western music theory and notation.

Philosophy

PLO
No PLOs

CLO

PHIL100 - Intro Philosophy
• Clarify their values and philosophical perspectives, and the practice of ethical deliberation through writing.
• Understand the basic fields of philosophy and the philosophy of major philosophical figures.
• Understand the relevance of philosophical discussion for one's daily and major life decisions.

PHIL101 - Morals and Society
• Articulate their own personal moral theory and the reasoning they used to develop and support that theory.
• Define and describe the elements of major ethical theories.
• Demonstrate an understanding of the diversity of moral reasoning through the above applications, assessments and analyses as well as through respectful participation in class discussions and deliberations.
• Demonstrate knowledge of the reasoning used to support these theories as well as the flaws inherent in each theory.

PHIL102 - Intro to Phil: Asian Tradition
• Articulate a unifying theme in Asian Philosophy, that is, "man's false sense of self leads to suffering and bondage."
• Critically examine some modern attempts to integrate Asian Philosophy with Western philosophical/psychological concerns and with science.
• Describe (and perhaps to experience in limited form, optional) four traditional paths of liberation.
• Explain the causes of this bondage.
• Recognize traditional themes, problems and suggested solutions in three major Asian traditions: Hinduism, Buddhism, Chinese Philosophy (Confucianism, Taoism). B) State how some of these themes are synthesized in Japanese Philosophy and experience.
• Show how some of the themes of Asian Philosophy would affect ethical and social issues, especially the problem of the individual and the community.

PHIL109 - Reasoning & Critical Thinking
• Assess the strengths and weaknesses of arguments, recognizing the weight of evidence in reasoning about what is factually true or well supported by evidence.
• Demonstrate an understanding of the philosophical, epistemological, and historical foundations of critical thinking by examination and integration with a capstone project.
• Demonstrate gathering of information relevant to assessing factual claims and generalizations, and communicate the essential logical elements in scientific reasoning.
• Examine and present evidence for conclusions.
• Identify and analyze fallacious reasoning and "truthiness".
• Pay careful attention to detail by identifying the meaning of statements, and the structure (premises and conclusions) and different types (deductive and inductive) of logical argument.

**PHIL110 - Intro to Deductive Logic**
• Demonstrate an ability to use symbolic techniques and formal rules in the context of problem solving by applying symbolic analysis techniques (translating, formal proof techniques, truth tables, argument pattern recognition) both to informal (fallacies) and formal reasoning.

• Demonstrate an understanding of the beauty and power of symbolic systems, as well as their clarity and precision, through use of techniques of logical analysis, with the intention of enhancing the student's reasoning skills and appreciation of abstraction, pattern recognition, and formal systems of analysis.

• Demonstrate an understanding of the concept of logical proof as a chain of inferences by producing symbolic chains of inferences of their own.

• Demonstrate skill in hypothetical reasoning, and gain experience in the presentation and critical evaluation of evidence.

**PHIL111 - Intro to Inductive Logic**
• Demonstrate a working familiarity with basic concepts in logic, inductive inference, probability, and decision theory by successfully learning and applying key definitions with a particular focus on creating models for learning from experience.

• Demonstrate an ability to set up simple probability models, including diagrams and basic decision tables.

• Demonstrate an understanding through examination of some of the shortcomings and strengths of employing quantification models in making knowledge claims.

• Demonstrate the capacity to engage in and evaluate "risky" inferences, with the ability to critically assess the implications of modeling behavior as quantifiable, rational action.

**PHIL120 - HCC-E-Science, Tech, & Values**
• Explain why ethics plays an important role in science and technology.

• Recognize the difference between matters of fact and matters of value, while understanding the important ways in which facts influence value assessments and how value judgments shape our vision of "the facts".

• Understand at a basic level the scientific method, its modern results (astronomy, evolution, biotechnology), and its historical development.

• Understand ethical methodologies and competency in ethical deliberation on rationally applying these methodologies to contemporary ethical questions related to scientific progress and technological power.

• Understand the role of cognitive and moral values in world views, by discussing and writing about the ethical implications of modern scientific and technological results.

**PHIL204 - Philosophy and Film**
• Demonstrate an understanding of movies as philosophical enterprises and the possibilities of critical engagement with, rather than passive acceptance of, the philosophical viewpoints depicted or assumed.

• Develop and articulate his or her own reasoned arguments in response to the above.

• Identify and describe the key philosophical themes, positions and ideas presented in movies.

• Utilize the methods of philosophical inquiry: Critical Thinking, Critical Reading, Critical Writing and Discourse to analyse and evaluate these themes, positions and ideas.

**PHIL211 - Ancient Philosophy**
• Demonstrate the ability to write clear, well-organized, well-reasoned, communicative philosophical arguments and analyses.

• Develop and articulate his or her own philosophical arguments.

• Employ the methods of philosophical inquiry: Critical Thinking, Critical Reading, Critical Writing and various epistemological criteria to test belief.

• Identify and articulate the ideas and reasoning of some of the major figures in the Western philosophical tradition and the historical context in which these ideas were developed and accepted.

• Utilize the above methods to evaluate philosophical arguments and to examine their own beliefs.

**PHIL213 - Modern Philosophy**
• Demonstrate the ability to write clear, well-organized, well-reasoned, communicative philosophical arguments and analyses.

• Develop and articulate his or her own philosophical arguments.

• Employ the methods of philosophical inquiry: Critical Thinking, Critical Reading, Critical Writing and various epistemological criteria to test belief.

• Identify and articulate the ideas and reasoning of some of the major figures in the Western philosophical tradition and the historical context in which these ideas were developed and accepted, as well as some postmodern critiques of those ideas and that reasoning.

• Utilize the above methods to evaluate philosophical arguments and to examine their own beliefs.

**PHIL255 - Cosmology**
• Demonstrate an understanding of historical and philosophical perspectives on the human relationship to the Universe.
• Demonstrate an understanding of the basic issues of philosophy of science, including the central philosophical problem of cosmology -- the problem of understanding the world, and our knowledge, as part of the world.
• Demonstrate an understanding of the different cosmologies of Western culture, i.e., the Aristotelian-Ptolemaic, Copernican-Newtonian, 20th century.
• Demonstrate an understanding of the scientific method by surveying its modern results and studying its historical development.

<table>
<thead>
<tr>
<th>Religion</th>
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<tbody>
<tr>
<td><strong>PLO</strong></td>
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<tr>
<td>No PLOs</td>
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<tr>
<td><strong>CLO</strong></td>
</tr>
<tr>
<td>REL150 - Intro to World Major Religion</td>
</tr>
<tr>
<td>• Accurately identify important names, dates, and events in the world's major religions.</td>
</tr>
<tr>
<td>• Analyze the contemporary status of each of the world's major religions within a global perspective.</td>
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<tr>
<td>• Critically explain contemporary challenges in understanding the historical origins of the world's major religions.</td>
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<tr>
<td>• Speak and write objectively about Religion as an academic topic.</td>
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<tr>
<td>• Succinctly and objectively explain the major beliefs and practices of the world's major religions.</td>
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<tr>
<td>REL151 - HCC-E-Religion &amp; Meaning Exist</td>
</tr>
<tr>
<td>• Analyze universal questions and problems in application to specific religious tradition responses.</td>
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<tr>
<td>• Apply rational thinking to beliefs driven by emotional relevance.</td>
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<tr>
<td>• Demonstrate an ability to convey “subjective” ideas, views and opinions without “personalizing” the material by referencing one’s own experiences.</td>
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<tr>
<td>• Identify differences between religious and secular (e.g., philosophical) values and ethical traditions.</td>
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<tr>
<td>• Through written interpretive analysis, extrapolate religious stories (myths) into explanations of religious teachings and meanings.</td>
</tr>
<tr>
<td>• Write on a sufficiently abstract level so as to be able to integrate outside material (e.g., other classes, cultural) into the course content.</td>
</tr>
<tr>
<td>REL201 - Understand the New Testament</td>
</tr>
<tr>
<td>• Be familiar with the different approaches, major problems, various interpretations, and present applications of the New Testament and its teachings in today's world.</td>
</tr>
<tr>
<td>• Know the major theological themes found in selected books of the Christian Scriptures.</td>
</tr>
<tr>
<td>• Understand and to be able to articulate the history, composition, intent, and central teachings of the Christian Scripture</td>
</tr>
<tr>
<td>• Understand the literary forms, principles of interpretation, and technical terminology used in the study of Scripture.</td>
</tr>
<tr>
<td>• Understand the political, religious, and historical settings in which the Christian Scripture were formed, developed, finalized, and lived.</td>
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<tr>
<td>REL203 - Understanding Chinese Religion</td>
</tr>
<tr>
<td>• Acquire direct experiences of various religious, philosophical, or 'popular' answers to the question of the meaning of existence where possible. Secondary means of acquiring experiences will also be offered, such as films, speakers, lectures, and reading materials.</td>
</tr>
<tr>
<td>• Demonstrate an understanding of selected points and emphasis which religion, philosophy and culture offer to the question of the meaning and existence.</td>
</tr>
<tr>
<td>• Demonstrate his ability to discuss analytically the various proposals or solutions offered for those problems by the various religions and cultures under study.</td>
</tr>
<tr>
<td>• Demonstrate his ability to recognize and identify perennial problems concerning the inter-relationships between the individual and society.</td>
</tr>
<tr>
<td>• Demonstrate his or her ability to recognize and to identify important terms as used and described by: Theology, Philosophy, Sociology, Anthropology, Psychology.</td>
</tr>
<tr>
<td>• Demonstrate his or her ability to understand the major Chinese religions in terms of: Theological and Philosophical concepts, Tenets and Doctrines, Founders and its movements, Disciples and its subsequent expansion, Historical and culture milieu, Geographical location, Linguistic problems, Symbols and its meanings.</td>
</tr>
<tr>
<td>• Develop his or her own philosophy and the meaning of existence and through the process of understanding eastern and western religion and to change or clarify his or her beliefs and values.</td>
</tr>
<tr>
<td>• Identify terms and relate them to its founder and historical milieu.</td>
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<tr>
<td>• Identify terms and relate them to its geographical location.</td>
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</tbody>
</table>
• Identify terms and relate them to the religion or philosophical concepts.
• Share in the teaching/learning process by offering opinions, information, and beliefs in class interaction, and by evaluating and suggesting learning activities.

• Show an awareness that there is no single "right" answer to the question, and that he must choose alternatives which seem to fulfill the needs of one moment and place, but which may change in the next moment and place and for the next person.

REL204 - Understand Japanese Religion
• Confront intellectually the central questions of human existence raised by the Japanese religions.
• Demonstrate knowledge of the basic components of Japanese religious tradition, such as its concept of the divine, moral code, value system, rituals, and artistic expression.
• Develop an appreciative understanding of Japanese religions.
• Explore the origins of Japanese religion and how it operates in human society.
• Express ideas and opinions clearly in writing.
• Learn the basic facts about the beginnings, history, teachings, practices, and present-day status of Japanese religions.
• Recognize the essential characteristics which distinguish the religious traditions of Japan.

REL207 - Understanding Buddhism
• Each student will demonstrate his ability to understand major Buddhism in terms of its: A. Theological and Philosophical concepts; B. Tenets and Doctrines; C. Founder and Its Movements; D. Disciples and Its Subsequent Expansion; E. Historical and Culture Milieu; F. Geographical location; G. Its linguistic Problems; H. It Symbols and Its Meanings.
• The students will demonstrate their ability to identify different "Terms" as used and ascribed by the major Buddhist sects. A. Identify "terms" that correspond to its religious or philosophical concepts; B. Identify "terms" that correspond to its founder and historical milieu; C. Identify "terms" that correspond to its geographical location.
• The students will demonstrate their ability to recognize and identify perennial problems concerning the interrelationships between the individual and society.
• The students will demonstrate their ability to recognize and to identify important "terms" as used and described by: A. Theology; B. Philosophy; C. Sociology; D. Psychology

REL210 - Understanding Christianity
• Accurately identify important names, dates, and events in the history of Christianity.
• Compare and contrast contemporary liberal and conservative Christian responses to Church/State, ethical, and scientific issues.
• Critically explain contemporary scholarly challenges in understanding the origins of the Christian religion.
• Identify patterns of cause and effect to explain the changing and evolving teachings of Christianity.
• Identify similarities and especially differences within the major branches of Christianity.

Speech

PLO
No PLOs

CLO

SP151 - Personal & Public Speech
• Demonstrate an understanding of effective interpersonal and small group communication.
• Demonstrate an understanding of the basic principles and elements of human communication.
• Demonstrate an understanding of the principles of effective verbal and nonverbal communication needed for various public presentations.
• Demonstrate the effective use of visual aids.
• Develop and support a persuasive argument.
• Research and organize supporting material for various types of public presentations.

SP170 - Nonverbal Communication
• Analyze the effectiveness of nonverbal communication skills.
• Demonstrate an understanding of the research on nonverbal communication in various settings.
• Describe and explain the different types of quantitative methods used in conducting nonverbal communication research.
• Identify the basic codes of nonverbal communication.
SP181 - Interpersonal Communication
- Demonstrate an understanding of how verbal and nonverbal behaviors affect interpersonal communication.
- Demonstrate an understanding of the quantitative and qualitative social science research techniques used to study interpersonal communication.
- Explain and demonstrate conflict management and assertive communication strategies.
- Explain how self-concept, perception, culture, and gender can influence interpersonal communication.
- Explain how the behavior and the interactions of people can be described by interpersonal communication concepts and theories.
- Use models and theories to describe how humans interact during the various stages of relationships.

SP251 - Principles Eff Public Spkg
- Demonstrate the effective use of visual aids.
- Develop and support a persuasive argument.
- Listen critically and provide constructive feedback to other public speakers.
- Research and organize supporting material for various types of public presentations.
- Understand relevant concepts, theories, and ethical implications of effective public communication.
- Understand the skills necessary for confident and effective physical and vocal delivery.

SP253 - Argumentation and Debate
- Construct and effectively organize logical and powerful arguments with authoritative evidence to support or oppose a proposition.
- Demonstrate an increased self-awareness of their own critical thinking and reasoning processes including their biases and inferences.
- Differentiate between propositions of fact, value, and policy.
- Employ effective listening techniques in order to respond effectively and appropriately to arguments.
- Engage in ethical oral argumentation and debate for the purpose of influencing decision makers.
- Use powerful and appropriate physical and vocal delivery techniques during each phase of a debate.

SP290 - Interviewing
- Demonstrate ability to produce an employment cover letter and resume, and complete an employment application.
- Demonstrate an understanding of laws and ethics related to interviewing.
- Demonstrate an understanding of the different types of interviews and probing techniques.
- Demonstrate an understanding of the roles and processes involved in interviewing.
- Demonstrate methods of preparing for interviews.
- Evaluate the performance of interviewers and interviewees.

Theatre

PLO
- No PLOs

CLO

THEA101 - Intro to Drama and Theatre
- Become familiar with the different approaches, major problems, and various interpretations of selected plays.
- Identify major plots and themes in selected plays.
- Understand and be able to articulate the different kinds of drama and literature.
- Understand the forms and structures of drama and theatre as well as the technical terminology associated with it.
- Understand the historical and intellectual influences and effects of the various types of drama and theatre.

Hawaiian Programs

Hawaiian
PLO

No PLOs

CLO

HAW100 - Lang in Hawai‘i: Global Issues

• Develop a deeper understanding and appreciation for the local Hawai‘i community and our diverse backgrounds, cultures, languages, worldviews, and experiences, thus enhancing their communicative experience here in Hawai‘i as well as in their respective communities, local and abroad, to improve relations among different groups.

• Explain and interpret political and social points of view from the native and non-native perspective.

• Explain in general the ethnic and linguistic makeup of both ancient and modern Hawai‘i, and explain how it changed over time.

• Identify similar and distinctive patterns of development and change within different native/indigenous populations from around the world who have a shared history of colonization and/or occupation. This includes patterns such as the decline/loss of native language, and revitalization efforts by indigenous peoples to perpetuate their native language and culture.

• Make more informed decisions and better judgments about the various cross-cultural issues covered in the course.

• Read, pronounce and have a basic understanding of many Hawaiian and Pidgin words, names, and phrases, thus beginning to respect and appreciate multilingualism and a multilingual environment.

HAW101 - Elementary Hawaiian I

• Communicate orally in Hawaiian at a novice mid level.

• Produce and interpret written Hawaiian at a novice mid level.

• Recognize the relationship between the practices and perspectives of Hawaiian culture.

• Utilize vocabulary and other language skills that integrate work, school, family, 'āina, and language in real life applications.

HAW102 - Elementary Hawaiian II

• Communicate orally in Hawaiian at a novice high level.

• Produce and interpret written Hawaiian at a novice high level.

• Recognize the relationship between the practices and perspectives of Hawaiian culture.

• Utilize vocabulary and other language skills that integrate work, school, family, 'āina, and language in real life applications.

HAW201 - Intermediate Hawaiian Lang I

• Apply and interpret vocabulary and other language skills that integrate work, school, family, 'āina, and language in real life applications.

• Communicate orally in Hawaiian at an intermediate low level.

• Demonstrate an understanding of the grammatical and structural aspects of Hawaiian.

• Ho‘ike (Demonstrate) practices and perspectives of Hawaiian culture.

• Produce and interpret written Hawaiian at an intermediate low level.

HAW202 - Intermediate Hi Language II

• Apply and interpret vocabulary and other language skills that integrate work, school, family, 'āina, and language in real life applications.

• Communicate orally in Hawaiian at an intermediate mid level.

• Demonstrate an understanding of the grammatical and structural aspects of Hawaiian.

• Ho‘ike (Demonstrate) practices and perspectives of Hawaiian culture.

• Produce and interpret written Hawaiian at an intermediate mid level.

HAW261 - Hawaiian Literature in English

• Apply a variety of literary terms for literary analysis.

• Demonstrate confidence and competence in producing grammatically correct, well-organized and thoughtful writing.

• Discuss the literature of the native Hawaiians, compare and contrast with those found in other civilizations and traditions.

• Discuss universal themes and experiences that transcend cultural and time differences.

• Explain each selection as an example of the genre to which it belongs.

• Explain literary works as products of the social, historical, political and religious contexts of classical Hawaiian culture.

• Identify and explain a variety of indigenous Hawaiian literary works ranging from folk tales, children's stories, legends, myths, poetry, prose, and prayers.
<table>
<thead>
<tr>
<th>Hawaiian Studies Certificate</th>
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<tbody>
<tr>
<td>- Demonstrate competency in spoken and written Hawaiian language and show a familiarity with the oral traditions and written literature of Hawai'i.</td>
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<tr>
<td>- Identify elements of the geology and geography of Hawai'i and the role of Hawaiian culture in understanding the 'āina (land/earth).</td>
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<tr>
<td>- Recognize, analyze, evaluate and work to solve contemporary economic, political and social problems in Hawai'i and their impact on Native Hawaiians.</td>
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<tr>
<td>- Utilize the Native Hawaiian understanding of ethics, philosophy, religion, and the worldview in solving contemporary issues.</td>
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<tr>
<td>HWST105 - Hawaiian Plants &amp; Their Uses</td>
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<tr>
<td>- Demonstrate awareness of scientific and folk taxonomy as the relate to Hawaiian plants.</td>
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<tr>
<td>- Describe the influence of natural history and environmental conditions on the habitat distribution of these plants and on Hawaiian settlement patterns.</td>
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<tr>
<td>- Discuss the relationship of selected plants to Hawaiian material culture, agricultural practices, and belief systems.</td>
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<tr>
<td>- Identify differences and similarities between Hawaiian ethnobotanical practices with those in other Polynesian societies.</td>
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<tr>
<td>- Identify plants of ethnobotanical significance in Hawaiian culture by their Hawaiian names.</td>
</tr>
<tr>
<td>- Identify the origins and dispersal agents of endemic, indigenous, and introduced plants in Hawai'i.</td>
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</tbody>
</table>

| HWST107 - Hawaii: Center of the Pacific |
| - Demonstrate how important it is to mālama (care for) the 'āina (land) because of the relationship the people of Hawai'i and Oceania have always had with the environment. |
| - Demonstrate knowledge of the origins, migrations and settlement patterns of Oceania. |
| - Explain the connections of historical events to modern issues in relation to the unique social, political and economic history of Hawai'i, including concepts such as colonization and decolonization, occupation, independence movements, and sovereignty. |
| - Identify and explain basic knowledge of Pacific (Oceania) geography, including Hawaiian place names and land divisions. |
| - Pronounce and spell Hawaiian words correctly, as well as have a basic understanding of the cultural and political significance of indigenous languages in the Pacific. |
| - Show knowledge of similarities between Native Hawaiians and other Oceanic people's cultures, languages, religions, arts, and natural resources. |

| HWST110 - Intro to Hawn Voyaging |
| - Describe the tools contemporary navigators use for open-ocean voyaging. |
| - Discuss the historical and cultural events leading to the revival and reestablishment of Hawaiian voyaging. |
| - Explain the various aboriginal and academic narratives relating to the migration to and settlement of Oceania. |
| - Locate and name the islands and island groups of Oceania. |

| HWST110L - Waa Hookele:Hawn Sailing Lab |
| - Describe the tools contemporary navigators use for open-ocean voyaging. |
| - Discuss the historical and cultural events leading to the revival and reestablishment of Hawaiian voyaging. |
| - Explain the various aboriginal and academic narratives relating to the migration to and settlement of Oceania. |
| - Locate and name the islands and island groups of Oceania. |

| HWST128 - Introduction to Hula Kahiko |
| - Execute basic hula steps and motions. |
| - Explain basic hula and oli (chant) practices and traditions. |
| - Identify hula and oli (chant) terminology. |
| - Perform all learned pieces. |

| HWST129 - Introduction to Hula ?Auana |
| - Execute basic hula steps and motions. |
| - Explain basic contemporary hula and mele (music, song, poetry) practices, and traditions. |
### HWST135 - HAWN Woodwork and Wood Carving
- Develop skills that improve personal well-being and enhance professional potential in visual arts.
- Express ideas clearly and creatively in diverse ways through the fine and performing arts, speech and writing.
- Gain insight into how visual arts and writing have applications in today’s Hawaiian cultural practices to help recognize one’s role in community and global issues with a respect for diverse cultures and differing views while embracing one’s own cultural values and heritage.
- Use research and technology skills to access information from multiple sources; use critical thinking and problem solving skills to evaluate and synthesize information to form conclusions, ideas and opinions.

### HWST207 - Hawn Perspectives in Ahupua'a
- Demonstrate an increased understanding of the unique genealogical and spiritual relationship that Hawaiians have with the 'āina through the concept of ahupua'a.
- Demonstrate an understanding of Hawaiian perspectives regarding traditional land tenure, resource management, and geography.
- Development of research approaches in mālama 'āina through an examination of sources in online sites and physical repositories.

### HWST228 - Hula Kahiko
- Execute hula steps and motions.
- Explain hula and oli (chant) practices and traditions.
- Identify hula and oli (chant) terminology.
- Perform all learned pieces.

### HWST229 - Hula ?Auana
- Execute hula steps and motions.
- Explain contemporary hula and mele (music, song, poetry) practices, and traditions.
- Explain historical development of hula, and mele (music, song, poetry).
- Identify contemporary hula and mele (music, song, poetry) terminology.
- Perform all learned pieces.

### HWST270 - Hawaiian Mythology
- Analyze the relationship between Hawaiian mo'olelo (mythologies) and Hawaiian worldview, including Hawaiian cultural values and traditions.
- Describe akua (deities), kupua (deities), 'umakua (ancestral family deities), and kanaka (humans) and their various forms from Hawaiian mo'olelo.
- Employ the terminology of literary and/or cultural analysis in the study of Hawaiian mo'olelo.
- Identify and utilize written and oral sources of Hawaiian mo'olelo.

### HWST275A - Pana O'ahu
- Demonstrate an increased understanding of the unique genealogical and spiritual relationship that Hawaiians have with the 'āina through the concept of mālama 'āina.
- Demonstrate an understanding of Hawaiian perspectives regarding traditional land tenure, resource management, poetry, and geography.
- Demonstrate an understanding of research approaches in mālama 'āina through an examination of sources in online sites and physical repositories.

### HWST281 - Ho'okele I: Hawn Astronomy&Nav
- Demonstrate a basic knowledge of the richness of the Hawaiian language in describing the environment, and how the terminology reflects a Hawaiian world view.
- Demonstrate knowledge of the stories, both traditional and contemporary, that are attached to the stars, constellations and star lines used by Hawaiian wayfinders.
- Demonstrate knowledge of traditional Hawaiian and Polynesian concepts of the cosmos, space, direction, and time and explain how these concepts compare with Western concepts.
- Identify and explain the significance of celestial bodies and atmospheric and oceanic features and conditions used in wayfinding.
- Identify and name the component parts of the Hawaiian star compass used by Polynesian Voyaging Society (PVS) trained navigators and explain the differences between that compass and the Micronesian star compass used by Mau Piailug.
- Identify and name the four star lines used by contemporary Hawaiian wayfinders and the stars and constellations (both Hawaiian and non-Hawaiian names) that make up those star lines.
HWST281L - Ho'okele I: Hawn Astro&Nav Lab
- Apply knowledge of the stories, both traditional and contemporary, that are attached to the stars, constellations and star lines used by wayfinders in a live setting.
- Apply practical knowledge of traditional Hawaiian and Polynesian concepts of the cosmos, space, direction, and time and how these concepts compare with Western concepts.
- Identify and name the component parts of the star compass used by Polynesian Voyaging Society (PVS) trained navigators in a live setting.
- Identify and name the four star lines used by contemporary Hawaiian wayfinders in a live setting.
- Identify and name the stars and constellations (both Hawaiian and non-Hawaiian names) that make up the individual star lines in a live setting.
- Identity and explain significance of celestial bodies and atmospheric and oceanic features and conditions used in wayfinding in a live setting.

HWST282 - Ho'okele II: Hawn Voyaging&Sea
- Demonstrate ability to develop a sail plan.
- Demonstrate knowledge of Hawai'i and Pacific geography, weather systems, and oceanic currents and conditions.
- Demonstrate knowledge of the dangers associated with sailing and appropriate emergency procedures.
- Demonstrate knowledge of the significance of voyaging in the revival of native Hawaiian culture and education in modern times.
- Demonstrate knowledge of the voyages of Hokule'a and other modern Pacific canoes and what has been learned from such voyages about traditional navigation, voyaging, and migration routes.
- Demonstrate knowledge of voyaging canoe parts, design, building materials, and rigging.

HWST282L - Ho'okele II: Hawn Voy&Sea Lab
- Demonstrate ability to accurately monitor weather and ocean patterns to determine safe ocean conditions for sailing.
- Demonstrate basic seamanship skills required to sail a canoe which include: tying and untying knots, casting off from a dock, paddling, rigging the mast, setting the sails, steering, tacking, stopping, and docking.
- Demonstrate knowledge of appropriate cultural protocol and values associated with sailing Hawaiian voyaging canoes.
- Demonstrate knowledge of the parts of the canoe and canoe rigging.
- Demonstrate knowledge of the roles and responsibilities of crew positions on board the sailing canoe.
- Identify and explain the dangers associated with sailing canoes, appropriate emergency procedures and the use of proper equipment to safeguard against harm and injury at sea.

HWST284 - He Moku He Wa'a: Island Canoe
- Critically examine and analyze traditional resource management and food production in Hawai'i and their relevance in addressing contemporary environmental issues in Hawai'i and Oceania.
- Demonstrate knowledge of basic concepts of non-instrument navigation.
- Demonstrate knowledge of developing and carrying out a sail plan which include: course strategy, reference course, and necessary provisions.
- Demonstrate knowledge of the parts of a voyaging canoe, canoe rigging, and safety and emergency procedures.
- Demonstrate knowledge of the voyages of Hokule'a and other modern Oceanic canoes and what has been learned from such voyages about traditional navigation and voyaging.
- Identify some Native and Polynesian-introduced plants and explain traditional uses of these plants.
- Recognize and explain the significance of aloha 'āina (love of the land) as a core value of traditional Hawaiian society.

HWST285 - La'au Lapa'au
- Identify 45 various Hawaiian, and introduced medicinal herbs.
- Produce multiple herbal remedies and utilize them in various forms for application to the body.
- Recount basic mo'olelo pertaining to la'au lapa'au in Hawai'i and the University of Hawai'i System.
- Use the herbs and concepts of health in designing a wellness plan for a final project.

HWST297 - Hula 'Olapa-Advanced Tradition
- Execute hula steps and motions.
- Explain hula and oli (chant) practices and traditions.
- Identify hula and oli (chant) terminology.
Language Arts

American Sign Language

PLO

No PLOs

CLO

ASL101 - Elem American Sign Language I

- Demonstrate comprehension and correct use of American Sign Language through application and classroom conversation.
- Demonstrate knowledge of basic concepts, rules, and functions of American Sign Language including appropriate body language and facial expressions.
- Demonstrate the ability to translate basic English concept sentences into understandable American Sign Language through expressive classroom work and receptive practice.
- Demonstrate understanding of fundamental American Sign Language functions and various grammatical concepts through participation in expressive and receptive assignments within the classroom.

ASL102 - Elem American Sign Language II

- Demonstrate comprehension and correct use of American Sign Language through application in classroom conversation.
- Demonstrate knowledge of basic concepts, rules, and functions of American Sign Language including appropriate body language and facial expressions.
- Demonstrate the ability to translate basic English concept sentences into understandable American Sign Language through expressive classroom work and receptive practice.
- Demonstrate understanding of fundamental American Sign Language functions and various grammatical concepts through participation in expressive and receptive assignments within the classroom.

ASL201 - Intermediate ASL I

- Demonstrate comprehension and correct use of American Sign Language through application in classroom conversation.
- Demonstrate knowledge of concepts, rules, and functions of American Sign Language including body language and facial expressions.
- Demonstrate the ability to translate English concept sentences into understandable American Sign Language through expressive classroom work and receptive practice.
- Demonstrate understanding of American Sign Language functions and grammatical concepts through participation in expressive and receptive assignments within the classroom.

ASL202 - Intermediate ASL II

- Demonstrate comprehension and correct use of American Sign Language through application in classroom conversation.
- Demonstrate knowledge of concepts, rules, and functions of American Sign Language including body language and facial expressions.
- Demonstrate the ability to translate English concept sentences into understandable American Sign Language through expressive classroom work and receptive practice.
- Demonstrate understanding of American Sign Language functions and grammatical concepts through participation in expressive and receptive assignments within the classroom.

Chinese

PLO

No PLOs

CLO

No CLOs

East Asian Languages and Literature

PLO

No PLOs

CLO

EALL271 - Japanese Lit Translation

- Apply various critical approaches to works of Japanese literature.
• Demonstrate knowledge of major forms of Japanese literature from the earliest era to the mid-19th century.
• Demonstrate knowledge of major Japanese works before mid-19th century.
• Explicate works of Japanese literature as a reflection of Japanese culture.
• Express opinions concerning traditional Japanese literature clearly and effectively orally and in writing.
• Identify and explain literary devices used in traditional Japanese literature.
• Identify major themes in traditional Japanese literature, describe their implications, and explain their basic assumptions.

EALL272 - Japanese Lit Trans Modern
• Apply various critical approaches to works of Japanese literature.
• Demonstrate knowledge of major forms of Japanese literature from the mid-19th century to the present.
• Demonstrate knowledge of major Japanese works and author after mid-19th century.
• Explicate works of Japanese literature as a reflection of Japanese culture.
• Express opinions concerning modern Japanese literature clearly and effectively orally and in writing.
• Identify and explain literary devices used in modern Japanese literature.
• Identify major themes in modern Japanese literature, describe their implications, and explain their basic assumptions.

English

PLO
No PLOs

CLO

ENG97A - Reading Essentials I
• my outcome

ENG100 - Composition I
• Demonstrate clear, logical, and inventive thinking through writing.
• Gather and evaluate information purposefully from electronic and print sources.
• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for college writing.
• Revise, edit, and proofread for correctness, clarity, and effectiveness.
• Write a research paper that supports a thesis, integrates expert opinions from various sources, and documents sources appropriately.

ENG100S - Composition Supplement I
• Determined by the accelerated ENG 100 companion course.

ENG201 - Intro to Creative Writing
• Demonstrate and practice effective oral delivery of literary writing.
• Evaluate and critique to improve literary writing using the Workshop process.
• Identify and explain the artistry of well-written poetry, fiction, and non-fiction.
• Prepare poetry, fiction, and non-fiction for submission to publishers.
• Produce and use imaginative writing to communicate significant ideas, feelings, and attitudes to a literary audience and to further the continuing dialogue of literature from classic to contemporary.
• Recognize, employ, and explain the basic elements, concepts, terminology, approaches, and techniques of poetry, fiction, and non-fiction.
• Write poetry, fiction, and non-fiction of literary form and quality.

ENG202 - Advanced Creative Writing
• Demonstrate and practice effective delivery of writing in works of the genre(s).
• Evaluate and critique to improve writing works of the genre(s) using the Workshop process.
• Identify and explain the artistry of well-written works of the genre(s).
• Prepare works of the genre(s) for submission to publishers, producers, or agents.
• Produce and use imaginative writing to communicate significant ideas, feelings, and attitudes to an audience and to further the continuing dialogue within genre(s) from classic to contemporary.
• Recognize, employ, and explain the basic elements, concepts, terminology, approaches, and techniques of the genre(s) in the course.
• Write works of literary form and quality in the genre(s).

ENG209 - Business & Managerial Writing
• Apply current available technology to business communication.
• Apply effective strategies and techniques to facilitate business communication.
• Compose various writing for specific business purposes.
• Demonstrate comprehension of the importance, goals, and patterns of business communication, both orally and in writing.
• Discuss and explain the importance of ethics in a business environment.
• Revise, edit, and proofread for correctness, clarity, and effectiveness.

ENG210 - Writing Term Papers
• Demonstrate clear, logical, and inventive thinking through writing.
• Demonstrate effective use of primary and secondary sources in developing and supporting a thesis.
• Effectively employ the MLA format in bibliographical and parenthetical citations.
• Organize and present ideas convincingly and logically in expository prose.
• Write a clear thesis statement and present and develop significant points in extended essays.

ENG250 - American Literature
• Apply basic critical concepts and terminology to the analysis of literary works.
• Discuss and explain the development of American literature.
• Discuss major themes in a work of literature, explore implications, and identify basic assumptions.
• Explain and discuss the artistry of literary works and writers of American literature.
• Identify a writer’s implied as well as literal meaning.
• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
• Provide literary evidence to support claims and ideas about the works.
• Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

ENG251 - British Literature to 1800
• Apply basic critical concepts and terminology to the analysis of literary works.
• Discuss major themes in a work of literature, explore implications, and identify basic assumptions.
• Explain and discuss the artistry of literary works and writers of British literature before 1800.
• Identify a writer’s implied as well as literal meaning.
• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
• Provide literary evidence to support claims and ideas about the works.
• Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

ENG252 - British Literature after 1800
• Apply basic critical concepts and terminology to the analysis of literary works.
• Discuss major themes in a work of literature, explore implications, and identify basic assumptions.
• Explain and discuss the artistry of literary works and writers of British literature after 1800.
• Identify a writer’s implied as well as literal meaning.
• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
• Provide literary evidence to support claims and ideas about the works.
• Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

ENG253 - World Literature to 1600
• Apply basic critical concepts and terminology to the analysis of literary works.
• Explain and discuss major themes in a work of literature, explore implications, and identify basic assumptions.

• Explain and discuss the artistry of literature from different areas of the world from ancient times to the early modern period.

• Identify a writer's implied as well as literal meaning.

• Identify and evaluate the historical contexts and trends of literature written before 1600, such as development of urban centers, cultural and economic trade, and world exploration.

• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.

• Provide literary evidence to support claims and ideas about the works.

• Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

ENG254 - World Literature after 1600

• Analyze the development of literature from different areas of the world from the Renaissance to the present.

• Apply basic critical concepts and terminology to the analysis of literary works.

• Explain and discuss major themes in a work of literature, explore implications, and identify basic assumptions.

• Identify a writer's implied as well as literal meaning.

• Identify and evaluate the historical contexts and trends of literature written after 1600, such as the growth of imperialism and industrialization.

• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.

• Provide literary evidence to support claims and ideas about the works.

• Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

ENG255 - Short Story & Novel

• Apply basic critical concepts and terminology to the analysis of literary works.

• Discuss major themes in a work of literature, explore implications, and identify basic assumptions.

• Explain and discuss short stories and novels, including the techniques involved in their creation.

• Identify a writer's implied as well as literal meaning.

• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.

• Provide literary evidence to support claims and ideas about the works.

• Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

ENG256 - Poetry & Drama

• Apply basic critical concepts and terminology to the analysis of literary works.

• Discuss major themes in a work of literature, explore implications, and identify basic assumptions.

• Explain and discuss poetry and drama, including the techniques involved in their creation.

• Identify a writer's implied as well as literal meaning.

• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.

• Provide literary evidence to support claims and ideas about the works.

• Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

ENG257A - Literary Perspectives Anime

• Apply basic critical concepts and terminology to support the analysis of texts and films.

• Discuss major themes in Japanese anime and explore the artistic, social, and political implications.

• Identify the director’s or writer’s implied as well as literal meaning.

• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.

• Provide literary evidence to support claims about the films and texts.

• Write essays that support a thesis integrate expert opinions and document sources appropriately.

ENG257B - Baseball in Literature

• Apply basic critical concepts and terminology to the analysis of literary works.
• Discuss major themes in a work of literature, explore implications, and identify basic assumptions.
• Explain and discuss the unique quality of short stories, novels, poetry, or other literature related to baseball.
• Identify a writer’s implied as well as literal meaning.
• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
• Provide literary evidence to support claims and ideas about the works.
• Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

**ENG257C - Comedy & Satire in Literature**

• Apply basic critical concepts and terminology to the analysis of literary works.
• Discuss major themes in a work of literature, explore implications, and identify basic assumptions.
• Explain and discuss humor or comedy in short stories, plays, or novels, including the techniques involved in their creation.
• Identify a writer’s implied as well as literal meaning.
• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
• Provide literary evidence to support claims and ideas about the works.
• Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

**ENG257E - Wild Wrtg: Env and Eco Non Fic**

• Apply basic critical concepts and terminology to the analysis of literary works.
• Discuss the artistry of literary works and writers as artists and theorists of wilderness, nature, environment, and ecology.
• Explain and discuss major themes in a work of literature, explore implications, and identify basic assumptions.
• Identify a writer's implied as well as literal meaning.
• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
• Provide literary evidence to support claims and ideas about the works.
• Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

**ENG257F - Women in Literature**

• Apply basic critical concepts and terminology to the analysis of literary works.
• Discuss major themes in a work of literature, explore implications, and identify basic assumptions.
• Explain and discuss the nature and role of women in literature
• Identify a writer's implied as well as literal meaning.
• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
• Provide literary evidence to support claims and ideas about the works.
• Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

**ENG257G - Manga as Literature**

• Apply basic critical concepts and terminology to the analysis of texts.
• Discuss major themes in manga and explore the artistic, social, and political implications.
• Identify a writer's/artist’s implied as well as literal meaning.
• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
• Provide literary evidence to support claims about the texts.
• Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

**ENG257H - Hip-Hop Liter & Urban Culture**

• Apply basic critical concepts and terminology to the analysis of literary works.
• Discuss major themes in hip-hop and explore the artistic, social, and political implications.
• Identify a writer's implied as well as literal meaning.
• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
Honolulu Community College

Instructional units: Liberal Arts (CLO, PLO, ILO)

- Provide literary evidence to support claims and ideas about the works.
- Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

ENG257K - Literature on Hawaii
- Apply basic critical concepts and terminology to the analysis of literary works.
- Demonstrate understanding of differing perspectives of local and non-local authors writing about Hawaii.
- Discuss major themes in a work of literature, explore implications, and identify basic assumptions.
- Identify a writer's implied as well as literal meaning.
- Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
- Provide literary evidence to support claims and ideas about the works.
- Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

ENG257M - Cross-Cult Persp Asia/Pac Lit
- Apply basic critical concepts and terminology to the analysis of literary works.
- Discuss major themes in a work of literature, explore implications, and identify basic assumptions.
- Explain and discuss the artistry of literary works and writers of Asia and the Pacific.
- Identify a writer's implied as well as literal meaning.
- Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
- Provide literary evidence to support claims and ideas about the works.
- Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

ENG257N - Books at the Movies
- Apply basic critical concepts and terminology to the analysis of works of literature and film.
- Discuss and explain the artistry of literary and cinematic works and writers and film-makers as artists adapting films from literature.
- Explain and discuss major themes in works of literature and film, explore implications, and identify basic assumptions.
- Identify the implied as well as the literal meaning in literature and film.
- Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
- Provide literary evidence to support claims and ideas about the works.
- Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

ENG257O - Okinawan Literature
- Apply basic critical concepts and terminology to the analysis of literary works.
- Discuss and explain the artistry of literary works as artists and theorists of Okinawan literature.
- Explain and discuss major themes in a work of literature, explore implications, and identify basic assumptions.
- Identify a writer's implied as well as literal meaning.
- Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
- Provide literary evidence to support claims and ideas about the works.
- Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

ENG257P - Literature & The Sea
- Apply basic critical concepts and terminology to the analysis of literary works.
- Discuss major themes in a work of literature, explore implications, and identify basic assumptions.
- Explain and discuss the psychological significance of the sea in literature and its biographical and literary significance to the authors.
- Identify a writer's implied as well as literal meaning.
- Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
- Provide literary evidence to support claims and ideas about the works.
- Write essays that support a thesis, integrate expert opinions, and document sources appropriately.
ENG257S - Comics, Superheroes and Society
• Apply basic critical concepts and literary terminologies, theories, categories, motifs, and genres appropriate to an analysis of works that make use of both the visual and written mediums.
• Discuss major themes in a work of literature, explore implications, and identify basic assumptions.
• Identify and explore important historical, cultural, and economic factors that have influenced comic book writers and artists and how comic book superheroes have influenced American culture.
• Write essays that support a thesis, integrate literary evidence to support claims, and document sources appropriately.

ENG257X - Science Fiction
• Apply basic critical concepts and terminology to the analysis of literary works.
• Discuss major themes in a work of literature, explore implications, and identify basic assumptions.
• Explain and discuss the interaction between technology and society and how works of literature reflect technology’s influence on culture and human identity.
• Identify a writer’s implied as well as literal meaning.
• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
• Provide literary evidence to support claims and ideas about the works.
• Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

ENG257Y - Young Adult Novel
• Apply basic critical concepts and terminology to the analysis of literary works.
• Discuss and explain the artistry of literary works and writers as artists and theorists of young adult literature and novels.
• Explain and discuss major themes in a work of literature, explore implications, and identify basic assumptions.
• Identify a writer’s implied as well as literal meaning.
• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
• Provide literary evidence to support claims and ideas about the works.
• Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

ENG257Z - Literature and Globalization
• Apply basic critical concepts and terminology to the analysis of literary works.
• Discuss major themes in a work of literature, explore implications, and identify basic assumptions.
• Explain and discuss the representations of globalization in literature.
• Identify a writer’s implied as well as literal meaning.
• Produce writing whose form, organization, syntax, diction, style, and tone are appropriate for a given audience, subject, and purpose.
• Provide literary evidence to support claims and ideas about the works.
• Write essays that support a thesis, integrate expert opinions, and document sources appropriately.

ENG268 - Literary Nonfiction
• Analyze the artistry of literary works and their authors.
• Apply basic critical concepts and terminology to the analysis to literary works.
• Demonstrate the use of literary evidence to support opinions and ideas regarding literary work.
• Demonstrate understanding of the history and current practice of literary nonfiction.
• Employ critical thinking skills and course content to the examination of new and unknown works in order to evaluate, explain, and appreciate contemporary works of narrative nonfiction.
• Express opinions and responses to literature clearly and effectively orally and in writing.
• State the major themes in a work of literature, identify its basic assumptions, and explore their implications.
• Write analytical, well-organized, and correctly documented papers about this style of literature.

ENG271 - Japanese Lit in Tran Trad
• Apply various critical approaches to works of Japanese literature.
• Demonstrate knowledge of major forms of Japanese literature from the earliest era to the mid-19th century.
### ENG272 - Japanese Lit in Trans Modern
- Consider a work of Japanese literature as a reflection of its cultural milieu and compare that milieu with the student's own.
- Demonstrate knowledge of all major forms of Japanese literature from the mid-19th century to the present.
- Demonstrate knowledge of some major Japanese authors after mid-19th century.
- Demonstrate the ability to write papers on modern Japanese literature.
- Examine a work of Japanese literature using various critical approaches.
- Express opinions and responses to modern Japanese literature clearly and effectively in writing.
- Recognize major themes in modern Japanese literature, explore their implications, and identify their basic assumptions.
- Show greater sensitivity to language and literary devices authors use in literature.

### English as a Second Language

**PLO**
- No PLOs

**CLO**

**ESL3 - College Reading/Writing Skills**
- Demonstrate application of varied reading strategies to beginning-level texts.
- Demonstrate comprehension of various types of beginning-level written and visual materials.
- Demonstrate effective use of beginning-level vocabulary.
- Demonstrate the basic writing process steps including prewriting, drafting, revision, and editing.
- Write short compositions that have a main idea with supporting details.

**ESL4 - Grammar I**
- Demonstrate effective use of beginning-level grammar.
- Identify and correct specific grammar errors.
- Write sentences/short compositions to illustrate specific grammar points.

**ESL13 - Coll Reading/Writing Skills II**
- Demonstrate application of varied reading strategies to intermediate-level texts.
- Demonstrate comprehension of various types of intermediate-level written and visual materials.
- Demonstrate effective use of intermediate-level vocabulary.
- Demonstrate use of a multi-step writing process that includes drafting, revising, and editing.
- Make revisions in response to written and oral feedback.
- Proofread to identify and correct errors in grammar, punctuation, and spelling.
- Write compositions that have a main point and supporting ideas developed with logically organized details.

**ESL14 - Grammar II**
- Demonstrate effective use of intermediate-level grammar.
- Identify and correct specific grammar errors.
- Write sentences/compositions to illustrate specific grammar points.

**ESL23 - Intro Expository Writing NNS**
- Demonstrate effective use of a multi-step writing process that includes drafting, revising, and editing.
- Make revisions in response to written and oral feedback.
- Proofread for effective grammar, word choice, punctuation, and spelling.
- Write compositions that have a main point and supporting details developed with specific, logically organized details.

**ESL24 - Grammar III**
- Demonstrate effective use of advanced-level grammar.
- Identify and correct specific grammar errors.
- Write sentences and compositions to illustrate specific grammar points.

**ESL124 - English for Professions**
- Demonstrate effective communication using the vocabulary and expressions of a specific profession.
- Demonstrate understanding of English vocabulary and expressions of a specific profession.

### Japanese

**PLO**

- No PLOs

**CLO**

**JPN101 - Elementary Japanese I**
- Demonstrate ability to speak the language with short statements and questions in common situations.
- Demonstrate ability to write hiragana and katakana by composing sentences or short passages related to class readings.
- Demonstrate listening comprehension of sentences and phrases in a variety of common situations such as greetings, self-introductions, and directions.
- Demonstrate reading comprehension of written materials in hiragana, katakana, and frequently used kanji characters (about 60).
- Demonstrate understanding of basic culturally appropriate conduct such as gestures, greetings, and body language through role-playing situations.

**JPN102 - Elementary Japanese II**
- Demonstrate ability to speak the language with short statements and questions in common situations.
- Demonstrate ability to write hiragana, katakana, and learned kanji by composing paragraphs related to class readings.
- Demonstrate listening comprehension of short paragraphs for a variety of common situations, such as describing people and making plans.
- Demonstrate reading comprehension of written materials in hiragana, katakana, and frequently used kanji characters (about 145).
- Demonstrate understanding of basic culturally appropriate conduct such as gestures, greetings, and body language through role-playing situations.

**JPN142 - Japanese for Hospitality**
- Demonstrate basic knowledge about Japanese culture in the topics above.
- Demonstrate basic language skills (listening and speaking) for topics related to business and visitor industry (hospitality) in Hawaiʻi.
- Perform, although limited, oral communication in Japanese utilizing the language skills and cultural knowledge relating to the topics above.

**JPN143 - Japanese for Service Industry**
- Demonstrate basic knowledge about Japanese culture in the topics above.
- Demonstrate basic language skills (listening and speaking) for topics related to service industry (i.e., hair salons, nail salons, spas) in Hawaiʻi.
- Perform, although limited, oral communication in Japanese utilizing the language skills and cultural knowledge relating to the topics above.

**JPN201 - Intermediate Japanese I**
- Demonstrate ability to speak the language with short conversations in common situations.
- Demonstrate ability to write hiragana, katakana, and kanji by composing paragraphs related to class readings.
- Demonstrate listening comprehension of paragraph-length speech in a variety of common situations, such as providing reasons, advice, apologies, and requests.
- Demonstrate reading comprehension of written materials in hiragana, katakana, and frequently used kanji characters (about 225).
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Competencies</th>
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</thead>
<tbody>
<tr>
<td>JPN202</td>
<td>Intermediate Japanese II</td>
<td>• Demonstrate understanding of basic culturally appropriate conduct such as gestures, greetings, and body language through role-playing situations. • Demonstrate ability to speak the language with short conversations in common situations. • Demonstrate ability to write hiragana, katakana, and kanji by composing paragraphs related to class readings. • Demonstrate listening comprehension of paragraph-length speech in a variety of common situations, such as providing opinions, wishes, regrets, and explanations. • Demonstrate reading comprehension of written materials in hiragana, katakana, and frequently used kanji characters (about 315). • Demonstrate understanding of basic culturally appropriate conduct such as gestures, greetings, and body language through role-playing situations.</td>
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<tr>
<td>JPN280</td>
<td>Teaching Practicum in Japanese</td>
<td>• Demonstrate effective use of pedagogy in teaching Japanese language. • Develop and implement a class plan with a clear objective. • Use presentations, worksheets, or drills to effectively teach language skills.</td>
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<tr>
<td>Journalism</td>
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<tr>
<td>PLO</td>
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<td>No PLOs</td>
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<tr>
<td>CLO</td>
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<tr>
<td>JOUR150</td>
<td>HCC-E-The Media and Society</td>
<td>• Apply the skills needed to evaluate the validity of various information sources and know when to cite them in written communication. • Demonstrate competency in ethical deliberation and the use of discipline-based tools to arrive at rational ethical judgments. • Demonstrate critical reasoning skills needed to produce clear, effective, and accurate written communication in the various journalistic forms. • Discuss and explain the history and importance of the free press in American society. • Discuss and explain the steps to writing an argument, including free-writing, brainstorming, drafting, feedback, outlines, revising, and polishing. • Express why ethics plays an important role in media and culture. • Identify and explain the differences between various types of new and changing media, such as newspapers, magazines, television, Internet websites, and blogs and make critical judgments about the use and efficacies of each. • Produce clearly written, error-free communication for print, broadcast, and on-line publications.</td>
</tr>
<tr>
<td>JOUR204</td>
<td>Writing for the Web</td>
<td>• Demonstrate understanding of the ways that writing for traditional print media and the Internet are significantly different and require different storytelling approaches. • Develop and use social media tools, such as Facebook, Twitter, Tumblr, and so on for distributing and promoting writing specifically aimed at a web audience. • Show understanding of crucial journalism and other ethical standards and practices that are unique to the Internet. • Understand and utilize the techniques required to conduct background research and interviews to gather information accurately and comprehensively. • Write, edit, proofread, distribute and promote stories prepared for electronic media, incorporating styles and techniques that are unique to writing for the web.</td>
</tr>
<tr>
<td>JOUR205</td>
<td>HCC-E-News Writing</td>
<td>• Analyze and discuss the quality of coverage in stories produced by the mass media as a critical consumer of news. • Apply basic journalistic concepts and principles to produce a range of articles (press release, short news, profile, timed deadline pieces, news story, and in-depth news or features) that meet standards for readability, accuracy, news style, and mechanics. • Apply the basic concepts, values, and principles of journalism, including news and feature story structures and legal and ethical issues related to communication and publications. • Conduct background research and interviews to gather information accurately and comprehensively. • Demonstrate competency in ethical deliberation and the use of discipline-based tools to arrive at rational ethical judgments. • Edit and proofread stories for readability, clarity, accuracy, news value, conciseness, and mechanics.</td>
</tr>
</tbody>
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Honolulu Community College

Instructional units: Liberal Arts (CLO, PLO, ILO)

• Express why ethics plays an important role in journalism.
• Use the relevant methods of news distribution such as blogs, social media, and websites.

JOUR206 - News Editing
• Apply basic principles of libel and privacy law.
• Correct weak leads, faulty transitions, poor story structure, redundancies, and sensationalism.
• Demonstrate quick and accurate judgment of photo and graphic values.
• Demonstrate speed with accuracy, involving quick evaluation of articles, cutting to specified length, fast editing without reviewing, and fast headline writing while avoiding faults.
• Edit text to create sharp leads, tight prose, clear text, and organized copy.
• Effectively use reference texts and the Associated Press style guide to apply the style conventions to newspapers, magazines, and the web.

JOUR207 - Photojournalism
• Demonstrate understanding of legal restrictions and ethical concerns in the field of photojournalism.
• Employ content and composition of photographs to tell a story, inform the public, and evoke emotion.
• Use the camera, flash, lenses, and other basic tools of photojournalists such as to produce quality digital photos similar to those in the media today.

JOUR230 - Intro Public Relations
• Apply public relations theory to media and media relations.
• Define public relations and identify examples in contemporary culture.
• Describe the role of public relations and public relation program goals in organizations and society.
• Explain the history of the contemporary public relations practice.
• Identify the professional, ethical, and legal aspects of public relations practice.
• Use public relations principles and theory in designing strategic public relations programs.

JOUR268 - Literary Nonfiction
• Analyze the artistry of literary works and their authors.
• Apply basic critical concepts and terminology to the analysis of literary works.
• Demonstrate the understanding of the history and current practice of literary nonfiction.
• Demonstrate the use of literary evidence to support opinions and ideas regarding literary work.
• Employ critical thinking skills and course content to the examination of new and unknown works in order to evaluate, explain, and appreciate contemporary works of narrative nonfiction.
• Express opinions and responses to literature clearly and effectively orally and in writing.
• State the major themes in a work of literature, identify its basic assumptions, and explore their implications.
• Write analytical, well-organized, and correctly documented papers about this style of literature.

JOUR285V - Newspaper Laboratory
• Apply basic journalistic concepts and principles to produce a range of articles that meet standards for publication, including readability, accuracy, news style, and mechanics.
• Apply knowledge of photography to take pictures using a digital camera and cropping photos for publication.
• Demonstrate a working knowledge of page design principles and software to produce pages for a tabloid publication.

Korean

PLO
No PLOs

CLO

KOR101 - Elementary Korean I
• Demonstrate ability to speak the language with short statements and questions in common situations.
• Demonstrate ability to write Hangul by composing sentences short passages related to class readings.
• Demonstrate listening comprehension of sentences and phrases in a variety of common situations such as greetings, self-introductions,
and directions.
- Demonstrate reading comprehension of written materials in Hangul.
- Demonstrate understanding of basic culturally appropriate conduct such as gestures, greetings, and body language through role-playing situations.

KOR102 - Elementary Korean II
- Demonstrate ability to speak the language with short statements and questions in common situations.
- Demonstrate ability to write Hangul by composing paragraphs related to class readings.
- Demonstrate listening comprehension of short paragraphs for a variety of common situations, such as describing people and making plans.
- Demonstrate reading comprehension of written materials in Hangul.
- Demonstrate understanding of basic culturally appropriate conduct such as gestures, greetings, and body language through role-playing situations.

KOR197 - Korean for Hospitality
- Demonstrate basic knowledge about Japanese culture in the topics above.
- Demonstrate basic language skills (listening and speaking) for topics related to business and visitor industry (hospitality) in Hawai'i.
- Perform, although limited, oral communication in Japanese utilizing the language skills and cultural knowledge relating to the topics above.

KOR201 - Intermediate Korean I
- Demonstrate ability to speak the language with short conversations in common situations.
- Demonstrate ability to write Hangul by composing paragraphs related to class readings.
- Demonstrate listening comprehension of paragraph-length speech in a variety of common situations, such as providing reasons, advice, apologies, and requests.
- Demonstrate reading comprehension of written materials in Hangul.
- Demonstrate understanding of basic culturally appropriate conduct such as gestures, greetings, and body language through role-playing situations.

KOR202 - Intermediate Korean II
- Demonstrate ability to speak the language with short conversations in common situations.
- Demonstrate ability to write Hangul by composing paragraphs related to class readings.
- Demonstrate listening comprehension of paragraph-length speech in a variety of common situations, such as providing opinions, wishes, regrets, and explanations.
- Demonstrate reading comprehension of written materials in Hangul.
- Demonstrate understanding of basic culturally appropriate conduct such as gestures, greetings, and body language through role-playing situations.

KOR280 - Teaching Practicum in Korean
- Demonstrate effective use of pedagogy in teaching Korean language.
- Develop and implement a class plan with a clear objective.
- Use presentations, worksheets, or drills to effectively teach language skills.

Linguistics

PLO
- No PLOs

CLO
- No CLOs

Spanish

PLO
- No PLOs

CLO
- No CLOs
## Mathematics

### Mathematics courses

**PLO**
- No PLOs

**CLO**

**MATH24 - Elementary Algebra I**
- Evaluate and manipulate formulas using addition, subtraction, multiplication and division.
- Find the absolute value, additive inverse, and multiplicative inverse of a real number.
- Graph linear equations and inequalities by point plotting, the intercept method, and the slope-intercept method.
- Identify terms, like terms, and numerical coefficients in a polynomial.
- Identify the following properties: commutative, associative, identity, inverse, distributive.
- Identify whole numbers, integers, rational numbers, irrational numbers, and real numbers.
- In general, the course will enable the student to understand the terminology and concepts of basic algebra and solve problems for which such understanding is necessary. The student will be prepared for further study of mathematics and science.
- Perform arithmetic operations with signed rational numbers.
- Plot an ordered pair and state the quadrant in which it lies.
- Simplify algebraic expressions.
- Solve a formula for a specified variable.
- Solve linear equations and inequalities in one variable.
- Solve linear systems of equations and inequalities in two variables by algebraic and graphic methods.
- Translate word phrases into algebraic expressions.
- Use linear systems to solve word problems.
- Use the order of operations to evaluate algebraic expressions.
- Write and solve ratios and proportions including those from word problems.
- Write the equation of a line given two points or the slope and y-intercept or the slope and a point on the line.

**MATH25 - Elementary Algebra II**
- Add, subtract, multiply, and divide algebraic fractions.
- Add, subtract, multiply, and divide polynomials in one or two variables.
- Add, subtract, multiply, or divide radical expressions.
- Complete the perfect square trinomial square given a partial trinomial.
- Evaluate a radical expression.
- Factor a polynomial of four terms by grouping.
- Factor general trinomials $ax^2 + bx + c$, where $a$, $b$, and $c$ are integers.
- Factor the greatest common factor from a polynomial expression.
- Graph quadratic functions, using the vertex and axis of symmetry.
- Identify a given radical as rational, irrational, or not real.
- Identify and use the laws of exponents to simplify expressions with integral exponents.
- In general, the course will enable the student to understand the terminology and concepts of basic algebra; e.g. Math 103 (College Algebra), Math 100 (Survey of Mathematics), Math 107 (Technical Mathematics for the Information Age), and Math 115 (Statistics).
- Learn and apply the Pythagorean Theorem.
- Recognize and factor a perfect square binomial.
- Recognize and factor the difference of two squares.
- Simplify a radical expression.
• Solve equations containing rational expressions.
• Solve quadratic equations by factoring, extraction of roots, completing the square, and the quadratic formula.
• Solve radical equations.
• Solve word problems that lead to equations containing radical expressions.
• Solve word problems that lead to equations containing rational expressions. (Inclusion of indirect variation is optional.).
• Use scientific notation in calculations.
• Write rational expressions in lowest terms (including complex rational expressions).

MATH50 - Technical Mathematics
• Compute powers and square roots of rational numbers, and Scientific Notation.
• Convert measurements with arithmetic operations in metric and English systems.
• Evaluate and simplify expressions, including distribution and like terms.
• Factor the greatest common factor from a polynomial expression.
• Graph linear, quadratic, and various equations by plotting points.
• Perform algebraic monomial multiplication and division.
• Perform arithmetic operations with Integers and Rational numbers without a calculator.
• Solve linear equations with distribution, variables on each side, and clearing the fractions.
• Solve quadratic equations by the quadratic formula.
• Solve ratio, percent, and proportion problems in applications.
• Solve two variable linear systems of equations by substitution.
• Understand ordered pairs, quadrants, intercepts, and slope.

MATH50P - Technical Mathematics
• Compute perimeters, arc length, and areas of two dimensional figures.
• Compute powers and roots of rational numbers.
• Convert measurements (in metric and English systems).
• Convert, add, and subtract angles in degrees-minutes-seconds.
• Determine the precision, accuracy, and number of significant digits of measurement numbers.
• Evaluate and solve formulas.
• Evaluate expressions using scientific notation.
• Measure lengths and angles using appropriate tools.
• Perform arithmetic operations with rational numbers and demonstrate a clear understanding of order of operations.
• Read, interpret and draw bar, line, and circle graphs.
• Solve applied word and diagrammed problems.
• Solve for sides of the right triangle, using the Pythagorean Theorem.
• Solve ratio and proportion problems.
• Solve simple linear equations.

MATH55 - Tech Mathematics II
• Calculate angles and segments.
• Compute angles of simple geometric shapes.

MATH75X - Intro to Math Reasoning
• Compute powers and square roots of rational numbers.
• Convert Scientific Notation.
• Convert unit measurements with arithmetic operations, metric or English systems.
• Demonstrate factoring out the GCF from a polynomial expression.
• Graph a linear equation with ordered pairs, intercepts, and slope.
• Perform algebraic distribution, monomial multiplication and monomial division.
• Perform arithmetic operations with integers and rational numbers, without a calculator.
• Simplify expressions including distribution and like terms.
• Solve a linear system of equations with substitution, only two variables.
• Solve a quadratic equation with the quadratic formula.
• Solve for a variable in a simple formula.
• Solve linear equations with distribution, variable on each side, and clearing the fractions.
• Solve percent or proportion problems in an application.

MATH100 - Survey of Mathematics
• Apply inductive and deductive reasoning in estimating and making conclusions.
• Calculate the probability of an event in a sample space and calculate the expected value of an event in a game.
• Construct truth tables for compound logic statements.
• Determine the validity of an argument.
• In general, the course will develop the student's quantitative and analytical reasoning abilities and will familiarize the student with some of the different areas of mathematics so that the student might gain a better understanding of and appreciation for mathematics.
• Perform arithmetic operations in various numeration systems.
• Perform operations of conjunction, disjunction, and negation on logic statements that are either represented symbolically or by Euler diagrams.
• Perform set operations of union, intersection, and complements by roster or Venn diagrams.
• Represent a data set by a histogram and calculate its mean, mode, median, range, and standard deviation.
• Solve applied problems (e.g., survey analysis) using set operations.
• Solve applied problems in consumer mathematics, including simple interest, compound interest, and installment buying.
• Use counting methods, such as permutations and combinations.

MATH103 - College Algebra
• Change from rational exponents to radicals and visa versa, including problems with greater complexity than elementary algebra.
• Define and graph basic exponential and logarithmic functions.
• Determine the algebraic and graphical properties of a one-to-one function.
• Divide polynomials using synthetic division.
• Factor polynomials using techniques such as grouping, sum and difference of two cubes and completing the square, including problems with greater complexity than elementary algebra.
• Find the inverse function of a one-to-one function.
• Graph quadratic functions including finding its vertex by completing the square.
• In general, the course is designed to provide the student with skills and knowledge necessary to handle pre-calculus courses such as Math 135, Math 140 and QM 121.
• Perform arithmetic operations on rational expressions and solve ration equations, including problems with greater complexity than elementary algebra.
• Perform arithmetic operations with complex and imaginary numbers.
• Perform operations on radicals and solving radical equations containing more than one radical, including problems with greater complexity than elementary algebra.
• Raise binomials to the nth degree using Pascal's triangle or the Binomial Theorem.
• Recognize functions through graphs and equations, stating their domains and ranges.
• Solve basic exponential and logarithmic equations.
• Solve compound linear and quadratic inequalities.
• Solve equations and inequalities involving absolute values.
• Solve quadratic form and literal quadratic equations.
• Solve systems of equations in three unknowns and nonlinear systems in two unknowns.
• Upon completion, students are expected to have a clearer understanding of, and deeper insight into, algebraic and related geometric concepts, operations, and techniques.
• Use function notation.
• Use the discriminant to determine the type of roots of an equation.

**MATH111 - Math for Elementary Teachers I**
• Choose and demonstrate appropriate strategies to investigate problems and persevere in solving them.
• Communicate mathematical concepts coherently, clearly, and precisely to various audience.
• Explain the meanings of basic mathematical operations and how they relate to each other.
• Identify and describe various types of patterns and make connections among mathematical concepts.

**MATH112 - Math for Elem Teachers II**
• Apply symbolic forms to represent, model, and analyze mathematical situations to solve problems.
• Develop and present creative math lessons which emphasize communicating, reasoning about, and justifying ideas as fundamental in the work of mathematics.
• Formulate functional relationships from various patterns.
• Present information about mathematical concepts and principles from materials written in words and in symbols.
• Utilize precise mathematical language and symbols to effectively communicate mathematics in written and oral form.

**MATH115 - Intro to Stats and Prob**
• Articulate and interpret various descriptive statistics, such as mean, median, mode, range, variance, and standard deviation.
• Calculate probabilities involving normal random variables.
• Determine and interpret (for large samples) confidence interval estimates of population means.
• Draw a scatter diagram, determine and draw the corresponding regression line, and calculate and interpret the corresponding correlation coefficient for a set of paired data.
• In general, the course will provide the student with a basic working knowledge of the methods of statistical inference, and how these methods can be applied to "real-life" situations. In particular, the formation and testing hypotheses is emphasized.
• Organize, draw, and interpret various graphs such as frequency histograms, bar graphs, and pie charts.
• Perform hypothesis testing.
• Solve probability problems involving the concepts of independent events, mutually exclusive events and conditional probability.
• Use the binomial and normal probability distributions to calculate the mean and standard deviation.

**MATH135 - PreCalc: Elementary Functions**
• Define and graph inverse functions.
• Define continuous and discontinuous functions.
• Find all complex zeros of polynomial functions.
• Find domains and ranges of functions, including sums of functions and composite functions.
• Graph exponential and logarithmic functions.
• Graph general polynomial functions.
• Graph piecewise-defined functions.
• Graph radical functions.
• Graph rational functions including horizontal, vertical, slant and curvilinear asymptotes.
• In general, the course will prepare students for the study of calculus by providing them with skills, knowledge, and mathematical maturity necessary for success in that course. It will also prepare students for vocations in which knowledge of elementary functions is useful. Completion of this course with a "C" grade or higher satisfies the three credits of quantitative reasoning requirement of many University of Hawai'i programs.
• Perform operations on functions, including addition, subtraction, multiplication, division, and composition of functions.
• Recognize odd and even functions (symmetry).
• Solve absolute value equations and inequalities.
• Solve applied problems of exponential and logarithmic functions.
• Solve exponential and logarithmic equations.
• Solve linear, quadratic and rational inequalities.
• Transform functions, including vertical and horizontal translations.
• Use function notation.
• Use interval notation.
• Use the properties of logarithms.

MATH140 - PreCalc:Trig/Analytic Geometr
• Convert rectangular and polar coordinates.
• Define the trigonometric functions using the unit circle.
• Graph exponential and logarithmic functions.
• Graph trigonometric functions on the polar axes.
• Graph trigonometric functions on the rectangular axes.
• In general, the course will prepare students for: the study of calculus by providing them with the skills, knowledge and mathematical maturity necessary for success in that course of study; vocations in which a knowledge of trigonometric and analytic geometry is useful.
• Prove trigonometric identities and apply trigonometric formulas.
• Represent conic sections algebraically and geometrically.
• Solve right and oblique triangles.
• Solve trigonometric equations.
• Solve verbal and non-verbal problems in plane trigonometry.
• Write complex numbers in trigonometric form.

MATH150 - Technical College Mathematics
• Add, subtract, and negate vectors with components.
• Analyze vector quantities and scalar quantities in applications.
• Calculate right triangle problems and applications using the sine, cosine, and tangent functions.
• Calculate vector components from the modulus and angle, using trigonometry.
• Compute perimeters and areas of two dimensional figures, include multi-component figures.
• Compute volume of three dimensional right prisms, pyramids, cones, and spheres.
• Convert measurements in degrees and radians.
• Define the trigonometric ratios of sine, cosine, and tangent in a right triangle.
• Demonstrate calculator usage with trigonometric and inverse trigonometric functions.
• Graph the sine and cosine waves by plotting points.
• Recognize and use the special triangles: 30/60/90 and 45/45/90.
• Recognize from graphs of sine or cosine the amplitude and period.
• Solve for sides of the right triangle, using the Pythagorean Theorem.
• Solve problems with angular geometry, arc length, and sectors.
• Use a calculator to convert degrees-minutes-second and decimal degrees.

MATH150P - Technical College Mathematics
• Add vectors using scale drawings and trigonometry.
• Additional topic suggested by physics instructors - solving systems of 2 equations with 2 unknowns using the substitution method.
• Analyze graphs of the six trig functions over a given interval.
• Apply chord, tangent, arc, and central; angle theorems in applied problems.
• Apply tangent and secant theorems in computing arcs and angles formed on, inside, and outside a circle.
• Compute interior and exterior angles of polygons by applying polygon angle theorems.
• Compute lengths of sides of similar polygons.
• Compute the lengths of sides and angles of simple geometric shapes.
• Computer vector and scalar quantities.
• Determine angle values in geometric figures by applying theorems of vertical, alternate-interior, and corresponding angles.
• Determine component vectors and be able to add them using trigonometry.
• Determine the area of segments and sectors of a circle.
• Determine the six trig functions of angles in any quadrant.
• Graph any angle and vector in standard position on the Cartesian coordinate plane.
• Know and apply the law of Sines and Cosines.
• Solve applied problems using vector components.
• Solve complex applied problems that require forming two or more (right or oblique) triangles by the projection of auxiliary lines.
• Solve for any side or angle in a right or oblique triangle using trigonometry.
• Solve right and oblique triangle problems using trigonometry given in word form including problems involving angle of elevation and angle of depression.
• Without a calculator determine the co-function of any acute angle and compare it to the given function of the angle to determine which function is greater.

MATH203 - Calculus for Bus & Soc Science
• Applying definite and indefinite integrals to business/economic problems.
• Calculating derivatives and partial derivatives of non-trigonometric elementary functions and their sums, products, quotients, and compositions.
• Evaluating definite and indefinite integrals by using basic formulas and substitution.
• Solving applied problems by using functions of more than one variable.
• The basics about functions of more than one variable.
• Using calculus to perform optimization methods.

MATH241 - Calculus I
• Define and use the concepts of limit and continuity.
• Differentiate functions, including products, quotients, and compositions of functions.
• Integrate functions by approximation and by the use of anti-derivatives.
• Learn and use the Fundamental Theorem of Calculus.
• related rates problems.
• Solve applied problems using differentiation, including maximization or minimization problems and.
• Use differential calculus to sketch curves.
• Use differentiation to approximate the value of a function.
• Use differentiation to find the maximum and minimum values of a function.
• Use integral calculus to determine area under and between curves.
• Use integral calculus to determine volume of rectangular solids.

MATH242 - Calculus II
• Apply L'Hospital's Rule to find limits.
• Apply techniques in this course to solve application problems.
• Determine the convergence of infinite sequences and series and approximate functions with the Taylor.
• Differentiate and integrate elementary transcendental functions.
MATH243 - Calculus III
- Perform partial differentiation, with applications to problem solving.
- Recognize and work with graphical representations of functions of two variables.
- Understand curves described by parametric equations or given in polar coordinates.
- Work with functions of several variables.
- Work with lines, curves, planes and surfaces in three dimensions.
- Work with two and three-dimensional vectors.

MATH244 - Calculus IV
- An introduction to functions of complex variables.
- Evaluating line and surface integrals, including a discussion of Green's Theorem, the Divergence Theorem, and Stokes' Theorem.
- Optional topics which may include extensions of Green's Theorem, Picard iterations, Laplace transforms, numerical solutions of ordinary differential equations using microcomputers, or series solutions near a regular singular point.
- Using multiple integrals to integrate functions of several variables.
- Working with first-order differential equations, including a discussion of: the Existence and Uniqueness Theorem; direction fields and integral curves; separable, homogeneous, exact, and Bernoulli equations; solving applied problems.
- Working with second-order differential equations, including a discussion of: the theory and solution of homogeneous equations with constant coefficients; solving non-homogeneous equations including the method of undetermined coefficients and variation of parameters; solving applied problems; an introduction to series solutions near an ordinary point.
- Working with two and three dimensional vectors.

### Natural Sciences

#### Agriculture

**PLO**
- No PLOs

**CLO**

**AG100 - Intro to Agricultural Sciences**
- Demonstrate an understanding of the importance of natural resource management in sustainable agricultural development.
- Describe the principles of horticulture and the sustainable production of fruit, vegetable, and ornamental crops in the tropic.
- Explain the principles, concepts, applications, and inter-relations of biology, chemistry, soil science, and mathematics as they apply to natural and agrarian "crop-based" ecosystems.
- Identify the factors that affect crop production including plant growth and development and the contribution of climatic, environmental, and edaphic factors.
- List and describe the role of stakeholders in agricultural development.
- Outline the history of agriculture in Hawai'i and the tropical Pacific and describe possible reasons for historic changes in crops and production levels.
- Use the principles of scientific inquiry to describe, analyze, solve, and report on scientific problems involving tropical plant science and related fields.

#### Astronomy

**PLO**
- No PLOs

**CLO**

**ASTR110 - Survey of Astronomy**
• Discover that even the most recent textbooks are always somewhat out of date. Investigating information available on the Internet will demonstrate that our knowledge of astronomy changes continuously.
• Gain an understanding of the other sciences that are utilized to conduct astronomy (classical mechanics, optics, spectroscopy, chemistry, geology, meteorology, thermodynamics, relativity, and quantum mechanics).
• Gain an understanding of the techniques that astronomers use to analyze data.
• Utilize the information in the textbook to obtain an "inside out" understanding of the universe. That is, starting with the Earth and expanding outward to the solar system, Sun, stars, galaxies, and finally the whole universe.

**ASTR110L - Survey of Astronomy Lab**

• Apply the scientific method to a selected group of topics in astronomy.
• Collect, report and analyze data obtained in a laboratory and/or observatory setting in a manner exhibiting organization, proper documentation and critical thinking.
• Demonstrate a basic understanding of the use of standard astronomical instruments.
• Demonstrate a working knowledge of computer on-line and Internet astronomical programs.
• Identify environmental factors which affect the outcome of an experiment or observation and apply basic error analyses techniques.
• Perform image analysis, especially as related to astronomical photographic data.

### Atmospheric Sciences

**PLO**
No PLOs

**CLO**
No CLOs

### Biochemistry

**PLO**
No PLOs

**CLO**

- **BIOC141 - Fundamentals of Biochemistry**
  • Analyze and apply appropriate procedures for solving biochemical and allied health-related calculations involving solids, liquids, gases, and solutions.
  • Describe ionic and covalent bonding theories and apply them to the construction of proper Lewis structures and prediction of molecular characteristics.
  • Relate biochemical and allied health-related concepts, theories and laws to everyday phenomena.
  • Relate the location of an element in the periodic table to its electronic structure and chemical reactivity.
  • Utilize precise chemical language to effectively communicate biochemical and allied health-related concepts and results.

- **BIOC142 - Elements of Biochemistry**
  • Construct molecular models and use these to describe chemical structure, geometry and physical properties.
  • Demonstrate knowledge of biochemical concepts in metabolism.
  • Predict products of fundamental organic reactions.
  • Use the vocabulary on organic chemicals and reactions in metabolism and other biochemical applications.

### Biology

**PLO**
No PLOs

**CLO**

- **BIOL100 - Human Biology**
  • Demonstrate a basic knowledge of human organ system physiology.
  • Distinguish between selected diseases and how they impact organs and organ systems in the human body.
  • Employ the methods of scientific inquiry to address issues in the Biological Sciences.
  • Identify cell, tissue, and anatomical structures of the major human organ systems, and describe how they interact to support homeostasis in the human body.
BIOL101 - Biology and Society
• Demonstrate how evolution is the foundation of modern biology.
• Employ the methods of scientific inquiry to address issues in the Biological Sciences.
• Identify challenges and solutions to global ecological issues.
• Utilize the vocabulary and concepts of biology to explain the basic processes of life.

BIOL101L - Biology and Society Laboratory
• Apply the methods of scientific inquiry to address issues in the Biological Sciences.
• Employ proper techniques and procedures for biological investigations such as: microscopy, magnification, population sampling, scientific illustration, dissection, data collection and data analysis.
• Research, evaluate and present scientific information as relevant to issues in biology and society.

BIOL123 - Hawaiian Environment Science
• Demonstrate an understanding of the geological formation of the Hawaiian Island chain and its relationship to the development of terrestrial and marine habitats.
• Describe ecosystem processes and species interactions such as succession, predation, and competition using examples from Hawai‘i.
• Describe the origin and evolution of Hawai‘i’s plant and animal species and differentiate between native and endemic species.
• Evaluate the concepts of sustainability in Hawai‘i with respect to land use, energy production, waste disposal, and exploitation of natural resources.
• Evaluate the pressures from the global environment and how anthropogenic impacts are affecting Hawai‘i.

BIOL124 - Environment & Ecology
• Describe the biological and physical principles of ecology including ecosystem productivity, major biogeochemical cycles, and energy flow.
• Develop methods for evaluating current actions and public policies that are not environmentally sound.
• Discuss and provide supporting evidence for alternatives to current local environmental practices; and h. develop a personal environmental statement and action plan.
• Discuss the unique environmental issues that affect island ecosystems, including habitat alteration and destruction, loss of biodiversity, and effects of introduced alien species.
• Explain and give examples of the impacts of science and technology on global ecosystems.
• Explain the basic principles of population dynamics, recent trends in population growth, factors affecting population growth, carrying capacity, consequences of overpopulation on environmental conditions including resource depletion, and methods that can be used to reduce population growth.
• Identify and explain the dynamics of various kinds of environmental pollution, including water, air, soil, noise, light, debris, and radioactivity.

BIOL124L - Environment & Ecology Lab
• Create a presentation with supporting evidence for alternatives to current local environmental practices.
• Debate current public actions and public policies that have environmental consequences.
• Demonstrate a quantitative understanding of demography, ways that populations of organisms are sampled in the field (and lab), and how this is important to changing population trajectories (removal of invasive species, or supporting native species).
• Describe and demonstrate sampling and assessment techniques for various kinds of environmental pollution, including water, air, soil, noise, light, debris, and radioactivity.
• Describe the biological and physical principles of ecology including ecosystem productivity, major biogeochemical cycles, and energy flow.
• Discuss the unique environmental issues that affect island ecosystems, including habitat alteration and destruction, loss of biodiversity, and effects of introduced alien species.
• Give examples of how the impacts of science and technology on global ecosystems.

BIOL171 - Introduction to Biology I
• Demonstrate an understanding in basic genetics, trait inheritance and chromosomal characteristics.
• Describe the principle of evolution, and use the evidence in support of evolutionary theory.
• Employ the methods of scientific inquiry to address issues in Biological Sciences.
• Identify the diversity of biological organisms.
• Relate cell structures to cellular metabolism, growth, and reproduction.

BIOL171L - Introduction to Biology I Lab
• Analyze and interpret experimental and observational results, including proper construction of data tables and graphs.
• Apply concepts learned in lecture course to an experimental and observational setting.
• Demonstrate proper use of common lab equipment such as microscopes, scales, computers, and other analytical tools.
• Practice the scientific method of inquiry in biological investigations.

**BIOL172 - Introduction to Biology II**
• Demonstrate an understanding in animal organ systems and their interrelationships
• Describe the diversity of biological organisms
• Explain population, community, and ecosystems ecology
• Relate structures to functions in plants and animals

**BIOL172L - Introduction to Biology II Lab**
• Analyze and interpret experimental and observational results, including proper construction of data tables and graphs.
• Apply concepts learned in lecture course to an experimental and observational setting.
• Demonstrate proper use of common lab equipment such as microscopes, scales, computers, and other analytical tools.
• Practice the scientific method of inquiry in biological investigations.

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**Botany**

**PLO**

No PLOs

**CLO**

**BOT101 - General Botany**
• Describe important metabolic processes in plant including plant responses to the environment.
• Describe the importance of plants to life on earth including ecological and socio-economic aspects.
• Describe the unique anatomical characteristics of major plant groups and relate these structures to the function they perform.
• Explain the characteristics of living things and the basic structure and function of the plant cell.
• Explain the structure and function of the major plant organs: root, leaf, stem and flower/fruit.
• Learn about diversified agriculture technologies for increasing food production.

**BOT101L - General Botany Laboratory**
• Demonstrate ability to use laboratory equipment and procedures effectively for observation and data gathering.
• Identify plants from fresh materials to their scientific designation.
• Identify significant parts and variations of plant cells, root, stem, leaf, flower and fruit.
• Learn basics of diversified farming techniques.
• Perform an experiment on living plants, collect, analyze data and write a report in scientific format.
• Perform experiments including significant physiological processes in plants and analyze the outcomes.

**BOT105 - Hawaiian Plants & Their Uses**
• Compare Hawaiian ethnobotanical practices with those in other Polynesian societies.
• Demonstrate awareness of scientific and folk taxonomy as they relate to Hawaiian plants.
• Describe the influence of natural history and environmental conditions on the habitat distribution of these plants and on Hawaiian settlement patterns.
• Discuss the relationship of selected plants to Hawaiian material culture, agricultural practices, and belief system.
• Identify plants of ethnobotanical significance in Hawaiian culture by their Hawaiian names.
• Identify the origins and dispersal agents of endemic, indigenous, and introduced plants in Hawai'i.

**BOT130 - Plants in the Hawaiian Environ**
• Assess the importance of scientific names over common names.
• Define what is life and what is a plant. The student will differentiate major differences between plants and animals.
• Distinguish characteristic similarities and differences in algae, fungi, mosses, ferns, and seed plants.
• Identify external and internal structures of leaves, stems, roots and flowers, including illustration of special highlights of form and function.

• Name subcellular organelles in plant cells and explain their functions.

BOT130L - Plants in Hawaiian Environ Lab
• Assess the importance of scientific names over common names.
• Define what is life and what is a plant. The student will differentiate major differences between plants and animals.
• Distinguish characteristic similarities and differences in algae, fungi, mosses, ferns, and seed plants.
• Identify external and internal structures of leaves, stems, roots and flowers, including illustration of special highlights of form and function.

• Name subcellular organelles in plant cells and explain their functions.

Chemistry

PLO
No PLOs

CLO

CHEM100 - Chemistry and Society
• Demonstrate an appreciation for the impact and influence of chemistry on our lives, and learn how we can cope with our environment using our knowledge of chemistry.

• Demonstrate an understanding of the elements and principles of chemistry.

• Demonstrate an understanding of the scientific method.

CHEM100L - Chemistry & Society Laboratory
• Demonstrate skills in employing the scientific method.

• Demonstrate techniques and concepts of laboratory experimentation.

• Demonstrate understanding of the limitations of measurements and the importance of careful observations.

• Perform experiments which demonstrate the chemicals, reactions and principles discussed in the lecture course.

CHEM105 - Environmental CHEM
• Demonstrate an appreciation for the impact and influence of chemistry on our lives, and learn how we can cope with our environment using our knowledge of chemistry.

• Demonstrate an appreciation for the impact and influence of chemistry on our lives, and learn how we can cope with our environment using our knowledge of chemistry.

• Demonstrate an understanding of the scientific method.

• Demonstrate techniques and concepts of laboratory experimentation.

• Demonstrate understanding of the limitations of measurements and the importance of careful observations.

• Perform experiments which demonstrate the chemicals, reactions and principles discussed in the lecture course.

CHEM105C - Cosmetic Chemistry
• Demonstrate an understanding of the elements and principles of chemistry.

• Demonstrate an understanding of the scientific concepts behind the methods and procedures used in treating hair, skin, and fingernails.

• Demonstrate an understanding of the scientific method.

• Demonstrate recognition of the chemical nature of the compounds in hair, skin, fingernails, and cosmetic preparations.

CHEM131 - Prep for General Chemistry
• Balance chemical equations, classify reactions, predict products of precipitation reactions.

• Solve acid/base neutralization problems.

• Understand atomic structure and use this information to predict compound formation.

• Understand intermolecular forces in solids, liquids, and gases.
- Understand trends in physical and chemical properties of elements based on the periodic table.
- Use conversion factors and equation rearrangement to solve algebra problems and perform calculations.
- Use the mole concept in solving stoichiometry problems involving solids, liquids, gases and solutions.

**CHEM151 - Elem Survey of CHEM**
- Demonstrate an appreciation for the impact and influence of chemistry on our lives, and learn how we can cope with our environment using our knowledge of chemistry.
- Demonstrate skills in employing the scientific method.
- Demonstrate understanding of the elements and principles of chemistry.
- Extract practical information from theoretical information, with emphasis on computational skill.

**CHEM151L - Elem Survey of CHEM Lab**
- Demonstrate an understanding of the limitations of measurements and the importance of careful observations.
- Demonstrate skills in employing the scientific method.
- Demonstrate understanding of the techniques and concepts of laboratory experimentation.
- Perform experiments which demonstrate the chemicals, reactions and principles discussed in the lecture course.

**CHEM161 - General Chemistry I**
- Demonstrate an appreciation for the impact and influence of chemistry on our lives, and learn how we can cope with our environment using our knowledge of chemistry.
- Demonstrate skills in employing the scientific method.
- Demonstrate understanding of the elements and principles of chemistry.
- Extract practical information from theoretical information, with emphasis on computational skill.

**CHEM161L - General Chemistry I Laboratory**
- Demonstrate an understanding of the limitations of measurements and the importance of careful observations.
- Demonstrate skills in employing the scientific method.
- Demonstrate understanding of the techniques and concepts of laboratory experimentation.
- Perform experiments which demonstrate the chemicals, reactions and principles discussed in the lecture course.

**CHEM162 - General Chemistry II**
- Develop skills in employing the scientific method.
- Learn how to extract practical information from theoretical information, with emphasis on computational skill.
- Learn the elements and principles of chemistry.
- Learn to appreciate the impact and influence of chemistry on our lives, and to learn how we can cope with our environment using our knowledge of chemistry.

**CHEM162L - General Chemistry II Lab**
- Demonstrate an understanding of the limitations of measurements and the importance of careful observations.
- Demonstrate skills in employing the scientific method.
- Demonstrate understanding of the techniques and concepts of laboratory experimentation.
- Perform experiments which demonstrate the chemicals, reactions and principles discussed in the lecture course.

**Civil Engineering**

**PLO**
- No PLOs

**CLO**

**CE270 - Applied Mechanics I**
- Determine section properties of areas, including centroids and moments of Inertia.
- Develop mathematical models of engineering structures for static analyses.
- Understand and apply the equations of equilibrium and to know their limitations.
### Electrical Engineering

#### PLO
- No PLOs

#### CLO

**EE150 - Intro to Computer Prog Methods**
- Describe the input and output information.
- Develop an algorithm, or step-by-step outline, of the problem solution.
- State the problem clearly.
- Work the problem by hand with a sample set of data.

**EE160 - Programming for Engineers**
- Compile, troubleshoot, and debug programs with sufficient documentation and commenting.
- Use the fundamental techniques of selection, looping, assignment, input, and output to describe the steps a computer takes to solve a problem.
- Utilize mathematical techniques to solve simple problems and express those solutions as algorithms.
- Write, test, and debug small programs for inquiry-based laboratory investigations.

**EE213 - Basic Circuit Analysis II**
- Analyze circuits in the frequency domain using Laplace Transforms, including two-port networks.
- Analyze OP AMP circuits.
- Understand and analyze RLC circuits for natural and step responses, and evaluate resonance conditions.
- Understand and use standard electronic measurement instruments.

**EE296 - Sophomore Project**
- Communicate design and engineering concepts effectively via oral presentations and written reports.
- Employ analytical reasoning to identify and define engineering design problems or needs.
- Implement engineering design reviews to evaluate outcomes against requirements.
- Utilize scientific knowledge to establish design parameters with respect to engineering standards and practical constraints.

### Geology and Geophysics

#### PLO
- No PLOs

#### CLO

**GG101 - Introduction to Geology**
- Critically analyze problems within the framework of the course and communicate this knowledge in written form.
- Define a problem for study, gather and record data, analyze the data, arrive at appropriate conclusions and report the findings in written form.
- Demonstrate knowledge of and ability to apply the metric system, scientific notation, and geographic and basic statistical measurements.
- Demonstrate the ability to read and interpret maps and graphs.
- Use a variety of measuring instruments to gather environmental data.

**GG101L - Introduction Geology Lab**
- Analyze the physical properties of minerals and rocks.
- Distinguish between and identify the mineral species and the rock types.
- Interpret topographic maps to: identify topographic features; identify and interpret geologic structures and hazards; understand surface water dynamics; identify surface water supplies.

**GG103 - Geology of the Hawn Islands**
• Demonstrate an understanding of geologic principles, including aspects of earth science, physics, chemistry and environmental sciences that are basic to current understanding of Hawaiian Isles and their geologic processes.
• Demonstrate knowledge of basic geologic terms, locations, concepts, theories, and methodology.
• Discuss humans' association with the geologic environment, vulnerability to geologic hazard, and dependency on natural resources such as groundwater, and environmental impacts.
• Discuss the earth's physical processes, particularly those that bear on geology of the Hawaiian Isles and Pacific Isles.
• Discuss the important aspects of the regional and historical geology of Hawai‘i Islands.
• Recognize and explain the existence of products of marine and terrestrial sedimentation in Hawai‘i.
• Recognize Hawaiian landforms produced by various weathering and erosion processes.
• Recognize landforms, structures and products of volcanoes and other igneous phenomena.

Microbiology

PLO
No PLOs

CLO

MICR130 - General Microbiology
• Apply the basics of epidemiology to the etiology of microbial diseases; demonstrate an understanding of microbial pathogenicity, the immune system, and the host-parasite interactions both in health and in disease.
• Demonstrate knowledge in microbial growth and metabolism, and ways to control their growth by physical and chemical means.
• Describe the principles of microbial genetics and their impacts on cell division, mutations, bacterial virulence, antibiotics resistance, and genetic engineering.
• Identify diversity of microorganisms; compare and contrast their similarity and differences in cellular structures and functions.

MICR140L - Microbiology Laboratory
• Identify microorganisms using morphological, biochemical and media-based methods.
• Perform aseptic transfer to obtain and maintain pure culture.
• Practice safe microbiology using appropriate protective equipments and procedures.
• Properly prepare and view microbial specimens using compound microscopy.

Oceanography

PLO
No PLOs

CLO

OCN101 - Marine Option Program Seminar
• Identify an appropriate Marine Options Program (MOP) skills project topic.
• Prepare and deliver an oral presentation.
• Use critical thinking to complete a written project proposal for their Marine Options Program (MOP) skills project.

OCN102 - Intro to Environmental Science
• Define the Earth’s major ecosystems and the major flows of matter and energy through them.
• Define the fundamentals of sustainability metrics in terms of major impact categories (into which pollutants and activities are grouped) and their units.
• Identity, source and action of the major pollutants that disrupt these ecosystems. • Relate the carrying capacities of each major ecosystem relative to these pollutant loads, as well as the consequences to the environment if they fail.
• State how the cultural practices and indigenous knowledge of the Native Hawaiians related to sustainability.

OCN180 - Aquaculture & Aquarium Mgmt
• Analyze harvesting and marketing strategies.
• Learn hatchery and nursery operations.
• Learn how to set-up and maintain aquaculture systems.
• Learn techniques involved in the culture of various organisms.
• Learn various breeding and water quality monitoring techniques.
• Observe culture techniques of phytoplankton and zooplankton species.
• Study of biology and life cycle of cultured species.
• Study pathogens and diseases and their treatments.
• Survey aquaculture methods and species in Hawai'i.
• Understand functions of filtration system.
• Understand pond lay-out, construction and preparation.
• Understand principles of "closed" aquaculture systems.
• Understand the structure and functions of aquatic ecosystems.

OCN201 - Science of the Sea
• Examine how sustainable practices and concepts can be connected to the ocean and atmosphere.
• Examine the anthropogenic effects on the climate system
• Identify the interactions between the ocean and the atmosphere including light and heat budgets and hydrographic properties.
• Summarize the chemical composition and physical properties of water on Earth.
• Use theories and concepts to show an understanding of the formation of ocean basins and their geological features.

OCN201L - Science of the Sea Lab
• Examine the anthropogenic effects on the climate system.
• Identify the impacts of pollution on the marine environment.
• Identify the interactions between the ocean and the atmosphere such as light and heat budgets and hydrographic properties.
• Learn how to collect and analyze chemical and physical data from water and sediment samples.
• Show an understanding of the formation of ocean basins and their geological features.
• Summarize the chemical composition and physical properties of water on Earth.

Physics

PLO
No PLOs

CLO

PHYS100 - Survey of Physics
• Demonstrate an understanding of the applicable physics by assessing the accuracy and correctness of all results.
• Identify the relevant physics that applies to given physical situations.
• Qualitatively describe the logical application of the relevant physics to explain both observations made in the real world and the solutions to real physical problems.

• Upon the successful completion of PHYS 100, the student will be able to:

PHYS100L - Survey of Physics Lab
• Apply the appropriate physics to the physical situation presented.
• Demonstrate the ability to use select measuring devices.
• Employ proper techniques when making scientific measurements.
• Formulate and report scientific conclusions based on data analysis.
• Quantitatively analyze experimental data.

PHYS103 - Phys for Electrical Tech
• Apply Faraday's law to inductors and transformers.
• Apply Kirchhoff's rules to solve complex DC circuits.
• Apply Newton's laws of motion in two dimensions.
• Apply Ohm's Law and calculate power delivered and power dissipated.
• Calculate current and resistance.
• Calculate parameters used to describe simple harmonic motion.
• Define the parameters used to describe motion and solve one-dimensional kinematics problems with constant acceleration.
• Define work and power and solve problems using the work-energy theorem.
• Demonstrate the proper use of a digital multimeter to measure voltage, current, and resistance.
• Demonstrate the proper use of an oscilloscope to measure AC voltage and frequency.
• Demonstrate the use of trigonometric definitions to resolve vectors into components and combine vectors.
• Determine the magnetic force exerted on charges.
• Differentiate between electric field, electric potential energy, and electric potential.
• Solve basic series AC circuits.
• Solve capacitive circuits.
• Use vector representation to solve kinematics problems in two dimensions.

PHYS104 - Phys for Transportation Tech
• Apply Kirchhoff's rules to solve complex DC circuits.
• Apply Newton's laws of motion in two dimensions.
• Apply Ohm's law and calculate power delivered and power dissipated.
• Apply Pascal's principle.
• Apply the dynamics of rigid bodies.
• Calculate current and resistance.
• Calculate the amount of thermal expansion in one and three dimensions for a solid.
• Define the parameters used to describe motion and solve one-dimensional kinematics problems with constant acceleration.
• Define work and power and solve problems using the work-energy theorem.
• Demonstrate the proper use of a digital multimeter to measure voltage, current, and resistance.
• Demonstrate the use of trigonometric definitions to resolve vectors into components and combine vectors.
• Differentiate between electric field, electric potential energy, and electric potential.
• Identify the different heat transfer mechanisms and calculate the rate of heat transfer.
• Solve capacitive circuits.
• Solve kinematics and dynamics problems for particles moving in a circle.
• Use the ideal gas equation of state.
• Use vector representation to solve kinematics problems in two dimensions.

PHYS105 - Principles of Technology
• Explain precision and accuracy in measurements and occurrence of systematic errors in experiments.
• Explain the results within the framework of the applied physical principles.
• Explain the scientific method and how it applies to laboratory experiments.
• Formulate physics problems into a solution structure using the fundamental concepts and basic equations.
• Identify and relate problems in their trade or profession to physical principles learned in the course.
• Interpret physical phenomena in terms of physics formulas and concepts.
• Set up apparatus, perform experiments, analyze data in a laboratory setting.
• Solve the equations and provide reasonable qualitative and quantitative results.

PHYS105P - Physics for the Applied Trades
• Apply Newton's laws of motion in one dimension
• Apply the kinematics and dynamics of rotating rigid bodies
• Apply the law of conservation of momentum in collisions
• Apply the physics of fluids to fluids at rest and fluids in motion
• Calculate heat transfer rates
• Calculate the amount of thermal expansion along a linear dimension
• Calculate the resistance of specific objects
• Correlate heat with resulting temperature and phase changes
• Define the electric field from the electric force
• Define the parameters used to describe motion and solve one-dimensional kinematics problems with constant acceleration
• Define work and power, and solve problems using the work-energy theorem
• Demonstrate an understanding of electromagnetic induction
• Demonstrate the appropriate use of units, significant figures, and algebra as they apply to problems in physics
• Describe Coulomb's law
• Describe qualitatively the magnetic force exerted on a moving charge and a current-carrying conductor
• Identify the basic phases of matter
• Solve basics series and parallel resistive circuits

PHYS122 - Intro to Physical Science
• Calculate simple quantities from mathematically formulated principles.
• Collect data, analyze it and submit reports which demonstrate comprehension of the principles and processes involved.
• Demonstrate ability to visualize and analyze graphical and pictorial information.
• Demonstrate comprehension of the abstract ideas of energy and momentum.
• Demonstrate comprehension of the basic laws and properties of atoms.
• Demonstrate comprehension of the concept of proportionality in physical principles.
• Demonstrate comprehension of the development of scientific thought in social context.
• Demonstrate comprehension of the nature of thermal energy and the kinetic theory of matter.
• Demonstrate comprehension of the variables, descriptions, and principles of motion and gravitation.
• Demonstrate comprehension of various conservation laws and their importance.
• Demonstrate insights into associations and relationships among the physical sciences.
• Demonstrate knowledge and understanding of basic physical concepts and principles.
• Discuss in expository form certain recurring themes in the unified system of science.
• Identify and assess quantitative information.
• Solve problems and reach tenable conclusions that require abstract and analytical reasoning.
• Write a formal research paper on a topic related to these learning outcomes.
• Write logical, clear and parsimonious expositions which demonstrate mastery of the nature of physical science.

PHYS151 - College Physics I
• Demonstrate a sufficient understanding of the required math that allows solutions to be obtained.
• Demonstrate an understanding of the applicable physics by assessing the accuracy and correctness of all results.
• Demonstrate the ability to quantitatively and systematically incorporate the relevant physics.
• Demonstrate the ability to select an approach that is appropriate for applying the applicable physics to any problem.
• Identify the relevant physics that applies to given physical situations.

PHYS151L - College Physics I Lab
• Apply the appropriate physics to the physical situation presented
• Demonstrate the ability to maintain a laboratory notebook
• Demonstrate the ability to use selected pieces of measuring devices including the analytical balance, caliper and micrometer
• Demonstrate the ability to use the computer as a data analysis tool
• Employ proper techniques when making scientific measurements
• Formulate and report scientific conclusions based on data analysis
• Prepare lab reports in standard scientific format
• Quantitatively analyze experimental data

PHYS152 - College Physics II
• Demonstrate a sufficient understanding of the required math that allows solutions to be obtained.
• Demonstrate an understanding of the applicable physics by assessing the accuracy and correctness of all results.
• Demonstrate the ability to quantitatively and systematically incorporate the relevant physics.
• Demonstrate the ability to select an approach that is appropriate for applying the applicable physics to any problem.
• Identify the relevant physics that applies to given physical situations.

PHYS152L - College Physics II Lab
• Apply the appropriate physics to the physical situation presented
• Demonstrate the ability to maintain a laboratory notebook
• Demonstrate the ability to use selected pieces of measuring devices including the multimeter, oscilloscope, and AC and DC power supplies
• Demonstrate the ability to use the computer as a data analysis tool
• Employ proper techniques when making scientific measurements
• Formulate and report scientific conclusions based on data analysis
• Prepare lab reports in standard scientific format
• Quantitatively analyze experimental data

PHYS170 - General Physics I
• Demonstrate a sufficient understanding of the required math that allows solutions to be obtained.
• Demonstrate an understanding of the applicable physics by assessing the accuracy and correctness of all results.
• Demonstrate the ability to quantitatively and systematically incorporate the relevant physics.
• Demonstrate the ability to select an approach that is appropriate for applying the applicable physics to any problem.
• Identify the relevant physics that applies to given physical situations.

PHYS170L - General Physics I Lab
• Apply the appropriate physics to the physical situation presented
• Demonstrate the ability to interface the computer to serve as both a control and measuring device
• Demonstrate the ability to maintain a laboratory notebook
• Demonstrate the ability to use selected pieces of measuring devices
• Demonstrate the ability to use the computer as a data analysis tool
• Employ proper techniques when making scientific measurements
• Formulate and report scientific conclusions based on data analysis
• Prepare lab reports in standard scientific format
• Quantitatively analyze experimental data

PHYS272 - General Physics II
• Demonstrate a sufficient understanding of the required math that allows solutions to be obtained.
• Demonstrate an understanding of the applicable physics by assessing the accuracy and correctness of all results.
• Demonstrate the ability to quantitatively and systematically incorporate the relevant physics.
• Demonstrate the ability to select an approach that is appropriate for applying the applicable physics to any problem.
• Identify the relevant physics that applies to given physical situations.

PHYS272L - General Physics II Lab
• Apply the appropriate physics to the physical situation presented
• Demonstrate the ability to interface the computer to serve as both a control and measuring device
• Demonstrate the ability to maintain a laboratory notebook
• Demonstrate the ability to use selected pieces of measuring devices including the multimeter, oscilloscope, and AC and DC power supplies
• Demonstrate the ability to use the computer as a data analysis tool
• Employ proper techniques when making scientific measurements
• Formulate and report scientific conclusions based on data analysis
• Prepare lab reports in standard scientific format
• Quantitatively analyze experimental data

PHYS274 - General Physics III
• Demonstrate a sufficient understanding of the required math that allows solutions to be obtained.
• Demonstrate an understanding of the applicable physics by assessing the accuracy and correctness of all results.
• Demonstrate the ability to quantitatively and systematically incorporate the relevant physics.
• Demonstrate the ability to select an approach that is appropriate for applying the applicable physics to any problem.
• Identify the relevant physics that applies to given physical situations.

Physiology

Natural Sciences Certificate

• Analyze and apply fundamental mathematical, physical and chemical concepts and techniques to scientific issues.
• Analyze data effectively using the most currently available technology.
• Apply fundamental concepts and techniques in their chosen field of study, such as biology, chemistry, geology, engineering, etc.
• Communicate scientific ideas and principles clearly and effectively.

CLO

PHYL141 - Anatomy & Physiology I
• Describe the physiological process of the human integumentary, skeletal, muscular and nervous systems.
• Distinguish between various diseases of the human integumentary, skeletal, muscular and nervous systems.
• Explain atom, elements, chemical bonds, and the structure and properties of molecules important in biology.
• Identify the cells, tissues and anatomical structures of the human integumentary, skeletal, muscular and nervous systems.
• Relate chemical knowledge to the form and function of human cells, tissues and organs of the human body.

PHYL141L - Human Anatomy & Physiology Lab
• Identify the cells, tissues and organs of the integumentary, skeletal, muscular, and nervous systems from prepared slides, models, and real and/or virtual animal dissections.
• Perform literature research on diseases of the integumentary, skeletal, muscular, and nervous systems.
• Perform scientific experiments using the scientific method, including analyzing data and writing laboratory reports.
• Use basic laboratory and medical equipment to evaluate functions of the integumentary, skeletal, muscular, and nervous systems.
• Use critical thinking to analyze and interpret clinical data of the integumentary, skeletal, muscular, and nervous systems.

PHYL142 - Human Anatomy & Physiology II
• Describe the physiological process of the human cardiovascular, respiratory, urinary, digestive and reproductive systems.
• Describe the structure and function of sensory cells, tissues and organs.
• Distinguish between nervous and hormonal means of regulating human physiology.
• Distinguish between various diseases of the human cardiovascular, respiratory, urinary, digestive and reproductive systems.
- Identify the cells, tissues and anatomical structures of the human cardiovascular, respiratory, urinary, digestive and reproductive systems.

**PHYL142L - Human Anat & Physiology II Lab**
- Identify the cells, tissues and organs of the sensory, endocrine, respiratory, urinary, digestive and reproductive systems from prepared slides, models, and real and/or virtual animal dissections.
- Perform literature research on diseases of the sensory, endocrine, respiratory, urinary, digestive and reproductive systems.
- Perform scientific experiments using the scientific method, including analyzing data and writing laboratory reports.
- Use basic laboratory and medical equipment to evaluate functions of the sensory, endocrine, respiratory, urinary, digestive and reproductive systems.
- Use critical thinking to analyze and interpret clinical data of the sensory, endocrine, respiratory, urinary, digestive and reproductive systems.

### Science

**PLO**
No PLOs

**CLO**

**SCI122 - Intro to Physical Science**
- Calculate simple quantities from mathematically formulated principles.
- Collect data, analyze it and submit reports which demonstrate comprehension of the principles and processes involved.
- Demonstrate ability to visualize and analyze graphical and pictorial information.
- Demonstrate comprehension of the abstract ideas of energy and momentum.
- Demonstrate comprehension of the basic laws and properties of atoms.
- Demonstrate comprehension of the concept of proportionality in physical principles.
- Demonstrate comprehension of the development of scientific thought in social context.
- Demonstrate comprehension of the nature of thermal energy and the kinetic theory of matter.
- Demonstrate comprehension of the variables, descriptions, and principles of motion and gravitation.
- Demonstrate comprehension of various conservation laws and their importance.
- Demonstrate insights into associations and relationships among the physical sciences.
- Demonstrate knowledge and understanding of basic physical concepts and principles.
- Discuss in expository form certain recurring themes in the unified system of science.
- Identify and assess quantitative information.
- Write a formal research paper on a topic related to these course objectives.
- Write logical, clear and parsimonious expositions which demonstrate mastery of the nature of physical science.

**SCI295V - STEM Research Experience**
- Collect and analyze data as appropriate.
- Design methods to test a hypothesis.
- Document and formally present results of hypothesis testing to an audience.
- Formulate a hypothesis.
- Work responsibly in a lab setting.

### Zoology

**PLO**
No PLOs

**CLO**

**ZOOL101 - Principles of Zoology**
- Analyze animal ecology and zoogeography: where do animals live and why, what are their roles in ecosystems.
- Analyze protoplasm, cells and tissues with emphasis on cell structure, function and reproduction.
• Associate scientists with their development of major concepts and theories in anatomy, physiology, cytology, taxonomy, embryology, evolution and genetics.

• Examine the ten body systems of animals and compare these systems in the eleven major phyla of animals.

• Identify differences between science and non-science, list the steps in using the scientific method and compare the pure sciences with the applied sciences.

• List anatomical and embryological characteristics of the eleven major animal phyla as they relate to taxonomy.

• Record differences between living and nonliving matter and the major differences between animals and plants.

• Sequence organic evolution: when, where and how life began, animal adaptations and the forming of new species.

• Synthesize the anatomy and physiology of representative animals, with the frog used as an example in lectures and fetal pig dissection in laboratory periods.

• Tabulate phenotypic rations in genetics and examine recent developments in genetics.

• Validate the understanding of physics and chemistry as they relate to biological molecules of life and energy exchanges within animals and ecosystems.

ZOOL200 - Marine Biology
• Demonstrate an understanding of the physical and chemical properties that lead to a diversity of organisms in the marine environment.

• Describe the major life zones of the ocean and the factors affecting the distribution of marine species in these zones.

• Examine how sustainable practices and concepts can be connected to the marine environment.

• Examine the anthropogenic effects on the marine environment.

• Illustrate an understanding of the taxonomic system of classification of marine organisms.

ZOOL200L - Marine Biology Lab
• Demonstrate an understanding of the physical and chemical properties that lead to a diversity of organisms in the marine environment.

• Describe the major life zones of the ocean and the factors affecting the distribution of marine species in these zones.

• Examine the anthropogenic effects on the marine environment.

• Illustrate an understanding of the taxonomic system of classification of marine organisms.

• Use the scientific method of inquiry to investigate biological phenomena.

Social Sciences

Anthropology

PLO
No PLOs

CLO

ANTH135 - Pacific Island Peoples
• Compare and contrast economic opportunities and constraints in Hawai‘i and other Pacific societies.

• Evaluate the impact of European and Asian influence in Hawai‘i and other Pacific island societies.

• Explain Pacific settlement theory and the types of evidence used in the development of this theory.

• Explain the relationship between culture and ecology in the Pacific Islands.

• Identify cultural differences and similarities in the three culture areas of the Pacific: Melanesia, Micronesia, and Polynesia.

• Identify social problems in the contemporary Pacific and assess their potential impact on Hawai‘i.

• Produce research reports based on several published sources, including indigenous accounts, of three pacific island cultures using college-level writing with citations.

• Recognize the voyaging spirit and skills of Pacific island navigators.

ANTH150 - Human Adaptations
• Compare the topics and interactions of the major fields of physical anthropology and cultural anthropology and the major subfields including archaeology, ethnology and linguistics.

• Describe several biological and cultural differences and similarities in several human populations.

• Describe several genetics processes involved in human evolution and biological differentiation including mutation and natural selection.
• Develop an understanding of culture useful in discussing cross-cultural issues in Hawai‘i, the United States and the world.
• Discuss some current theories about biological and cultural factors that influence human evolution.
• Discuss the scientific and popular concepts of “race”.
• Produce a research paper based on fieldwork to describe primates using college-level writing.
• Produce a research paper based on published ethnographic fieldwork to describe another culture using college-level writing with citations.

ANTH152 - Culture and Humanity
• Define the concept of culture and explain its historical usage in anthropology.
• Develop a concept of culture that will be useful in analyzing cross-cultural issues in Hawai‘i, the United States and the world.
• Discuss the threats to the culture concept and its limits.
• Identify key concepts in cultural anthropology.
• Identify the processes by which cultural anthropologists do their work.

ANTH200 - Cultural Anthropology
• Apply anthropological perspectives to explore career interests in health, human services, education and other fields.
• Compare the topics and interactions of the major fields of physical anthropology and cultural anthropology and the major subfields including archaeology, ethnology and linguistics.
• Describe several cultures in Africa, Europe and the Americas, and be able to discuss culture, adaptation, language, political organization or society in these areas.
• Describe several cultures in Asia and the Pacific Islands, and be able to discuss culture, adaptation, language, political organization or society in these areas.
• Develop an understanding of culture useful in discussing cross-cultural issues in Hawai‘i, the United States and the world.
• Explain how anthropologists study economics, the family, kinship, political and religious systems, personality development, creative expression and cultural change.
• Explain how applied anthropological research can be used in social planning and development and in problem-solving.
• Produce a research paper based on fieldwork to describe a subcultural scene in Hawai‘i using college-level writing.
• Produce a research paper based on published ethnographic fieldwork to describe another culture using college-level writing and citations.

Economics

PLO
No PLOs

CLO

ECON120 - Introduction to Economics
• Analyze the consequences of different types of market structures: perfect competition, monopoly, monopolistic competition, oligopoly.
• Apply basic economic tools of supply and demand analysis to understand how the prices of goods and resources are determined, how they change in response to market forces, and how prices affect the way in which goods and resources are allocated among competing uses and users.
• Calculate and interpret economic indicators that measure the performance of the U.S. economy, such as gross domestic product, unemployment rate and price indexes.
• Demonstrate an understanding of the U.S. banking system, including the role of the Federal Reserve System (the U.S. central bank).
• Demonstrate knowledge of the circular flow model of the U.S. economy and an understanding of how the U.S. economy works compared to other types of economic systems.
• Understand and analyze national fiscal policy (government spending and taxes), the federal budget, and national debt and their effect on national output, income and employment.
• Understand and analyze national monetary policy and its effect on national output, income and employment.

ECON130 - Prin of Economics I - Micro
• Analyze the consequences of different types of market structures: perfect competition, monopoly, monopolistic competition, oligopoly.
• Apply the basic economic tools of supply and demand analysis to understand how the prices of goods and resources are determined, how they change in response to market forces, and how prices affect the way in which goods and resources are allocated among competing uses and users.
• Demonstrate an understanding of microeconomic theories and the scientific method and models that economists use to analyze and explain the economic behavior of consumers and producers.
Honolulu Community College

Instructional units: Liberal Arts (CLO, PLO, ILO)

• Demonstrate knowledge of the circular flow model of the U.S. economy and an understanding of how the U.S. economy works compared to other types of economic systems.

• Understand the reasons for and results of government antitrust policy and industry regulation.

**ECON131 - Princ of Economics II - Macro**

• Apply the basic economic tools of supply and demand analysis to understand how the prices of goods and resources are determined, how they change in response to market forces, and how prices affect the way in which goods and resources are allocated among competing uses and users.

• Calculate and interpret economic indicators that measure the performance of the U.S. economy, such as gross domestic product, unemployment rate and price indexes.

• Demonstrate an understanding of macroeconomic theories and the scientific method and models that economists use to analyze and explain the performance of the economy and such macroeconomic problems as inflation and unemployment.

• Demonstrate an understanding of the U.S. banking system, including the role of the Federal Reserve System (the U.S. central bank).

• Demonstrate knowledge of the circular flow model of the U.S. economy and an understanding of how the U.S. economy works compared to other types of economic systems.

• Explain and apply macroeconomic models to analyze the factors that determine the level of, and changes, in national output, income, and employment.

• Understand and analyze national fiscal policy (government spending and taxes), the federal budget, and national debt and their effect on national output, income and employment.

• Understand and analyze national monetary policy and its effect on national output, income and employment.

**Geography and Environment**

**Sustainability Certificate**

- Apply concepts of sustainability to local, regional and/or global challenges.
- Define sustainability on local, national, and international levels.
- Demonstrate how concepts of sustainability are connected to local, regional and global issues.
- Describe how the individual relates to the wider issues of sustainability.
- Describe how traditional and indigenous perspectives inform practices of sustainability.
- Identify the personal values and attitudes that can facilitate sustainable living.
- Identify the sociocultural values and attitudes that facilitate sustainable living at the local, regional and global levels.
- Measure one’s impact on the triple bottom line: People, Planet, Profit.

**CLO**

**GEO101 - The Natural Environment**

- Apply geographic principles, theories, and methods to the study of the physical environment.
- Demonstrate knowledge of, and ability to apply, scientific systems of measurement to describe natural phenomena.
- Describe the primary interactions between human societies and the physical environment.
- Identify the key physical processes shaping the Earth’s surface, their interrelationships, and their spatial distribution.
- Interpret maps of physical phenomena to identify patterns.

**GEO101L - The Natural Environmental Lab**

- Define a problem for study, gather and record data, analyze the data, arrive at appropriate conclusions and report the findings in written form.
- Demonstrate knowledge of and ability to apply the metric system, scientific notation, and geographic and basic statistical measurements.
- Demonstrate the ability to read and interpret maps and graphs.
- Use a variety of measuring instruments to gather environmental data.

**GEO102 - World Regional Geography**

- Explain the spatial differentiation of human patterns on the landscape.
- Locate places on maps of the various regions of the world.
- Understand geographic concepts and theories used to explain world patterns and distributions of population, culture, and economic activities.
- Understand the interconnections between world's regions, and identify and interpret contemporary world issues from a regional perspective.
### GEO122 - Geography of Hawaii

- Describe the connections between traditional Hawaiian culture and the environment as related to settlement, land tenure, agriculture, economics and religion.
- Discuss the contemporary demographic, economic, environmental, and social situations and challenges that characterize Hawai'i in the 21st Century.
- Explain the unique aspects of Hawai'i's natural history and the relationship between Hawaiian environments and their flora and fauna.
- Identify principal locations in the Pacific, and physical and cultural features in Hawai'i by their Hawaiian names.
- Illustrate the influence of key historical events such as annexation on political, economic, environmental and social conditions in Hawai'i especially as they relate to native Hawaiians.
- Trace the migration of people and culture across Oceania, through Polynesia, and to Hawai'i.

### Political Science

**PLO**

- No PLOs

**CLO**

**POL110 - Intro to Political Science**

- Describe causes and control of domestic and international violence.
- Describe changes in Hawai'i politics.
- Describe different types of law, courts and bureaucracies.
- Describe operations and effects of political parties, media and interest groups.
- Describe political cultures, subcultures and public opinion.
- Describe tenets of classical political philosophy and modern political ideologies.
- Describe the scope of political science.
- Describe theories and practice of managing economies.
- Describe types of states, democracies, voting and economic systems.

**POL120 - HCC-E-Intro to World Politics**

- Describe different theories and levels of analysis of world politics.
- Describe important terms, characteristics and factors in world politics.
- Describe issues regarding the environment, population and human rights.
- Describe major alliances, treaties and tenets of international law.
- Describe the functions of major non-state actors.
- Describe the historical background of today's world system.
- Describe theories of war; military power; and strategy.
- Describe types and theories of globalization, development and trade.

**POL130 - HCC-E-Intro to Amer Politics**

- Describe civil rights history and contemporary issues.
- Describe federalism and civil liberties.
- Describe how special interests, the Presidency, bureaucracy, Congress and Supreme Court work.
- Describe parties, voting and elections.
- Describe patterns of U.S. taxes, spending and wealth.
- Describe political participation, the media and public opinion.
- Describe U.S. foreign policy.
- Describe U.S. ideals and the Constitution.

**POL180 - Intro to Hawaii Politics**

- Demonstrate understanding of other political economic theories and viewpoints to analyze current political events in Hawai'i.
• Demonstrate understanding of the different modes of conflicts in Hawai'i.
• Demonstrate understanding of the politics of different resident ethnic groups and their contributions to the development of the State of Hawai'i.
• Demonstrate understanding of the relations between economics and politics as well as the role those factors play in the political order of Hawai'i.
• Demonstrate understanding of the role of US federal policy-making and its influence in Hawai'i's political structure.
• Develop an appreciation for the role of historical figures and events of Hawai'i.
• Develop an inclusive view to the problems and concerns faced by the political community of Hawai'i and its influence in its decision-making process.
• Express ideas and opinions clearly in writing by utilizing social scientific methods that independently gather data and to use that data to discuss conclusions and alternatives to contemporary issues and problems of Hawai'i.

**POLS250 - Asian Politics Since 1900**
• Describe major political, economic, and social processes since 1900 of ten Asian countries.
• Describe the political and economic policies that these countries used to develop their societies.
• Describe the political structures and processes that produced these policies.

### Psychology

**PLO**

No PLOs

**CLO**

**PSY100 - Survey of Psychology**
• Describe and demonstrate a comprehension of the scientific method and decision making as applied to the social sciences.
• Identify and describe the major subject areas, concepts, theories, and approaches within psychology.
• Identify the strengths and weaknesses of different research methods used in psychological research.

**PSY180 - The Psychology of Work**
• Describe and demonstrate a comprehension of the scientific method and decision making as applied to the practices and problems of the work place.
• Describe and explain how individual personality characteristics, values, and behavior affect job performance.
• Describe and explain how the physical properties of the work place and how an organization's culture and climate affect job performance.
• Describe and explain human resources and its role in employee selection, appraisal, and training.
• Summarize and apply psychological principles to improve worker satisfaction, the work environment, and overall organizational effectiveness.

**PSY212 - Survey of Research Methods**
• Demonstrate an ability to present the components of a research report in written and oral format.
• Describe the goals of science.
• Describe the methods and tools of psychological science, and discuss the strengths and weaknesses of each.
• Discuss biases in psychological research, including experimenter and subject biases.
• Discuss research ethics and the history of ethical principles.
• Evaluate the results of a study and understand its implications for supporting or not supporting the hypothesis.
• Understand and apply descriptive statistics; understand the logic of inferential statistics in decision-making.
• Understand how to formulate a research hypothesis and design a study to test the hypothesis.
• Understand the differences between reliability and validity.
• Understand the major components of a research report written in American Psychological Association (APA) format.

**PSY220 - Intro to Behavioral Psychology**
• Apply principles of learning and conditioning to change or regulate behavior.
• Demonstrate knowledge of how to measure behavior and evaluate changes in behavior.
• Demonstrate knowledge of the science of behavioral psychology, based on theories of learning and behavior.
• Demonstrate knowledge of the terminology of the field of learning and behavior modification, including classical conditioning and operant conditioning.
• Think critically and communicate effectively both orally and in writing.
• Understand how to construct, read, and interpret data presented in graphs and tables.

PSY225 - Statistical Techniques
• Calculate confidence intervals and perform hypothesis testing.
• Prepare visual presentations of data, including charts, graphs, and tables.
• Test differences between Means, Variances, and Proportions.
• Understand correlation and regression.
• Understand the role of probability and probability distributions in statistics in order to evaluate social science research data.
• Utilize computer resources to perform data analysis.

PSY230 - Intro to Psychobiology
• Demonstrate knowledge about the neural mechanisms of behavior and mental processes.
• Describe the approach and scope of the field of psychobiology.
• Describe the basic structures and functions of the nervous system.
• Describe theories about the interaction between nature and nurture in determining behavior.
• Identify research methods used in the field of psychobiology, the rationale behind the methods, and evaluate their strengths and limitations in addressing questions about the biological basis of behavior.

PSY240 - Developmental Psychology
• Demonstrate an ability to critically review, evaluate, and analyze material from developmental psychology.
• Demonstrate an understanding of the research methods and tools of developmental psychology and their strengths and weaknesses.
• Demonstrate knowledge of the major theories and models of developmental psychology and their role in explaining behavior.
• Identify the major developmental principles, stages, and process, from conception through adulthood.

PSY250 - Social Psychology
• Demonstrate an awareness of the major methods, theories, and research findings in social psychology.
• Demonstrate the ability to apply the theories and research findings of social psychology to contemporary social problems.
• Demonstrate the ability to critically review material related to social psychology.

PSY260 - Psychology of Personality
• Critically evaluate different theories.
• Demonstrate knowledge of the different theories of personality including each theory's approach to personality development, assessment and change.
• Express ideas and opinions clearly both orally and in writing.
• Understand the respective strengths and weaknesses of different methodologies associated with personality research.

PSY270 - Intro to Clinical Psychology
• Be familiar with the main theories and models of psychological intervention and how to evaluate their efficacy.
• Critically evaluate current issues in clinical psychology especially as they relate to ethics, gender, and culture.
• Describe psychological assessment and diagnosis.
• Describe the different careers in clinical psychology and their requirements.
• Express ideas clearly both orally and in writing.
• Know the different models of psychopathology.
• Know the history and development of clinical psychology and the scientist-practitioner model.
**PLO**
No PLOs

**CLO**

**SSCI125 - Pacific Island Peoples**
- The student will gain an understanding of the traditional cultures of Polynesia, Micronesia, and Melanesia through the study of selected examples of each culture area.

**SSCI250 - Gender & Society**
- Achieve a better understanding of the relationship of individuals to the gendered social environment.
- Critically analyze and formulate positions on contemporary gender issues.
- Employ various social science perspectives and research methods in studying male and female social roles.
- Examine personal values, formulate and articulate positions concerning gender issues.
- Express ideas and opinions clearly in writing; specifically in essay and research paper formats.
- Identify "gender" expectations in economic, political, social behavior and communication.
- Understand and articulate "gender" as an underlying, if obscured, force in social behavior and institutions.
- Understand and articulate the "social constructionist" and "feminist" social science theories.
- Understand and articulate the impact of class, ethnicity and race on gender roles.
- Understand the inter-connectedness, interdisciplinary nature of social, gendered issues.
- Understand the multiple sources and forms of gender inequalities.
- Understand the role of gender in contemporary economic, social, cultural and political institutions.
- Understand, articulate and manipulate quantitative and qualitative research regarding gender.

**Sociology**

**PLO**
No PLOs

**CLO**

**SOC100 - Survey of General Sociology**
- Comprehend and apply basic sociological concepts to daily life.
- Develop an appreciation for the sociological imagination.
- Gain a greater appreciation for cultural diversity and the lessons that can be learned from others and other societies.
- Recognize strengths and weaknesses of basic sociological research methods.
- Understand major sociological theoretical approaches.

**SOC212 - Intro to Sociology of Japan**
- Apply major sociological theoretical approaches to Japanese society.
- Comprehend and be able to apply basic sociological concepts to daily life in Japanese society.
- Develop an appreciation for the sociological imagination applied to Japanese society.
- Gain a greater appreciation for cultural diversity and the lessons that can be learned from others and other societies.
- Recognize strengths and weaknesses of basic sociological research methods in studying Japanese society.

**SOC214 - Intro to Race & Ethnic Relations**
- Apply major sociological theoretical approaches to race and ethnic relations.
- Comprehend and apply basic sociological concepts to the study of race and ethnic relations.
- Develop an appreciation for the sociological imagination applied to understanding race and ethnic relations.
- Recognize strengths and weaknesses of basic sociological research methods in studying race and ethnic relations.
- See race and ethnic relations in the local as well as the global.

**SOC218 - Introduction to Social Problem**
Honolulu Community College

Instructional units: Liberal Arts (CLO, PLO, ILO)

- Apply major sociological theoretical approaches to social problems.
- Comprehend and apply basic sociological concepts to the study of social problems.
- Develop an appreciation for the sociological imagination applied to understanding social problems.
- Recognize strengths and weaknesses of basic sociological research methods in studying social problems.
- See social problems in the local as well as the global.

**SOC231 - Intro to Juvenile Delinquency**
- Apply major sociological theoretical perspectives to studying juvenile delinquency.
- Comprehend and apply basic sociological concepts to the study of juvenile delinquency.
- Develop an appreciation for the sociological imagination applied to understanding juvenile delinquency.
- Recognize strengths and weaknesses of basic sociological research methods in studying juvenile delinquency.
- See juvenile delinquency in the local as well as the global.

**SOC251 - Intro Sociology of the Family**
- Apply major sociological theoretical perspectives to studying family.
- Comprehend and apply basic sociological concepts to the study of family.
- Develop an appreciation for the sociological imagination applied to understanding family.
- Recognize strengths and weaknesses of basic sociological research methods in studying family.
- See family in the local as well as the global.

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<tr>
<th>Women's Studies</th>
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<tbody>
<tr>
<td><strong>PLO</strong></td>
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<tr>
<td>No PLOs</td>
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<tr>
<td><strong>CLO</strong></td>
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<tr>
<td><strong>WS151 - HCC-E-Intro to Women's Studies</strong></td>
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<tr>
<td>- Analyze issues of concern to women in the context of interpersonal, societal and institutional relationships.</td>
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<td>- Define the construction of gender and its role in the formation of societies and their institutions.</td>
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<td>- Demonstrate an understanding of the basic history of the women's movement and the role of advocacy in movements of social change.</td>
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<td>- Demonstrate an understanding of the connection between feminist theories and women's experiences.</td>
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<td>- Demonstrate an understanding of the connections between sexism, racism, classism and other forms of institutionalized oppression which have influenced women's lives.</td>
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<td><strong>WS230 - Gender and Sport</strong></td>
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<td>- Analyze how access and upward mobility in sport participation from childhood to adulthood is defined by individuals and institutional structures.</td>
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<td>- Analyze media representations of feminine and masculine bodies in sport, and their impact.</td>
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<td>- Demonstrate an understanding of the intersection of gender, race and ethnicity, class, and other categories of difference, in sports.</td>
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<td>- Effectively use writing and oral communication to argue and/or respond.</td>
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<tr>
<td>- Explain key theories of gender and sport.</td>
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<td>- Identify historical developments in gender roles in sport participation.</td>
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