

CSLOS

Las Positas College

Date: 08/12/2025

Administration of Justice

Division: PATH (Public Safety, Adv. Manufacturing, Transportation, Health & Kinesiology)

CSLOs

AJ 50 Introduction to Administration of Justice

Upon completion of this course, the student should be able to:

- critically analyze and discuss issues of crime and justice.
- define causal theories, criminal types and societal factors used to explain the nature of crime.
- describe the evolution of the American criminal justice system, including the history, development, structure, and function of police, courts, and corrections.
- articulate the scope of the crime problem in present-day America and discuss the methods, theories, and concepts associated with measuring crime.

AJ 55 Introduction to Correctional Science

Upon completion of this course, the student should be able to:

- describe the unique problems related to incarcerating female, juvenile, and special need offenders, and death row inmates.
- explain the differences between a prison and a jail and the role of each in the American criminal justice system.
- explain how correctional agencies fulfill the mission of protecting society.

AJ 60 Criminal Law

- identify the elements of some common offenses as codified in the California Penal Code.
- identify the origins and foundational concepts of civil and criminal law and explain how laws are developed and modified.
- describe the differences between specific, general, and transferred intent crimes.

AJ 63 Criminal Investigation

Upon completion of this course, the student should be able to:

- conduct a preliminary criminal investigation.
- conduct a preliminary interview/interrogation.
- explain the role of forensic examination in the criminal investigative process.
- perform a basic crime scene search and identify applicable investigative resources.

AJ 70 Community Relations

Upon completion of this course, the student should be able to:

- compare, contrast and explain different community-based policing programs and the strengths and limitations of each in their relationship to a diverse community.
 - describe the structure of various cultures in a community, including special populations and subcultures and how to effectively communicate with each group.
 - identify the structure of the police organization and its impact on officer behavior, community relations and community members.
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CSLOS

American Sign Language

Division: A&H (Arts & Humanities)

CSLO

ASL 1A American Sign Language I

Upon completion of this course, the student should be able to:

- demonstrate proficiency in comprehension of American Sign Language for daily living contexts.
- demonstrate receptive and expressive ASL grammatical functions and knowledge for daily living.
- properly respond in American Sign Language to simple questions about their selves and surroundings.

ASL 1B American Sign Language II

Upon completion of this course, the student should be able to:

- demonstrate increased receptive/expressive ASL grammatical functions and knowledge for daily living.

ASL 2A American Sign Language III

- initiate, conduct, and terminate a context-specific conversation.

Anthropology

Division: BSSL (Business, Social Science, and Learning Resources)

CSLOs

ANTR 1 Biological Anthropology

Upon completion of this course, the student should be able to:

- deconstruct the biological concept of "race."
- describe and identify fossil hominid species.
- explain how natural selection works.

ANTR 1L Biological Anthropology Lab

Upon completion of this course, the student should be able to:

- practice and apply understandings of the scientific method in a laboratory setting.
- critically analyze and interpret biological anthropological data to illustrate evolutionary trends.
- apply anthropological principles for solving human problems on the local, regional, and world scales.

ANTR 2 Introduction to Archaeology

Upon completion of this course, the student should be able to:

- apply the methods, tools, and technical skills of archaeological research.
- describe the legal/ethical framework for archaeology.
- use theory to interpret archaeological data.

ANTR 3 Cultural Anthropology

Upon completion of this course, the student should be able to:

- apply anthropological principles of holism, ethnocentrism, and cultural relativism, to solve human problems on the local, regional and world scales.
- recognize forms of discrimination, both explicit and implicit, incidental and institutionalized, and gain cultural competence in approaching, understanding and solving such inequities.
- appreciate and be sensitive to the cultural diversity of the world through a variety of ethnographic studies and cross-cultural explorations.

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ANTR 4 Language and Culture

Upon completion of this course, the student should be able to:

- explain how the relationship between language and culture has social consequences.
- explain the anthropological approach to language and communication.
- to identify the structural properties of language.

ANTR 12 Magic/Religion/Witchcraft/Healing

Upon completion of this course, the student should be able to:

- describe the role and responsibility of religious specialists.
- the components of various religious rituals.
- interpret symbolic cultural practices through various anthropological and theoretical perspectives.

ANTR 13 Introduction to Forensic Anthropology

Upon completion of this course, the student should be able to:

- describe the legal and ethical framework of forensic anthropology.
- analyze human bones for identification of sex, ancestry, age, trauma and stature.

Apprenticeship Construction Laborers

Division: PATH (Public Safety, Adv. Manufacturing, Transportation, Health & Kinesiology)

CSLOs**APCL 114 OSHA 10 Hour Norcal**

Upon completion of this course, the student should be able to:

- summarize General Safety and Health requirements from Subpart C.
- describe Personal Protective Equipment from Subpart E.

Apprenticeship Marine Technology

Division: PATH (Public Safety, Adv. Manufacturing, Transportation, Health & Kinesiology)

CSLOs**APMT 52 Boatworks 101 Yacht Propulsion Systems**

Upon completion of this course, the student should be able to:

- identify components of a marine diesel engine.
- perform an engine oil change.
- discuss the common principles of Craftsmanship.

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Art

Division: A&H (Arts & Humanities)

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ARTS 2A Introduction to Drawing

Upon completion of this course, the student should be able to:

- demonstrate ability to recognize and recreate, on a picture plane, observed values and proportions.
- compose drawings with the elements and principles of visual art and design.
- implement materials common to the drawing process.

ARTS 7A Introduction to Watercolor Painting

Upon completion of this course, the student should be able to:

- demonstrate a knowledge and awareness of color theory and a variety of application techniques.
- demonstrate an aesthetic awareness of value and its uses in creating light and space on a 2-dimensional plane.
- demonstrate proficiency in the basic techniques of watercolor painting: flat wash, glazing, wet-in-wet.
- demonstrate the use of materials and equipment of the craft of painting in watercolor.
- produce watercolor paintings using basic techniques.

ARTS 7B Watercolor Painting

Upon completion of this course, the student should be able to:

- complete a body of paintings that demonstrates an understanding of specific subject based material.
- demonstrate a knowledge of composition.
- demonstrate a mastery of watercolor application and techniques.
- produce watercolor paintings demonstrating intermediate color theory applications.
- produce watercolor paintings demonstrating intermediate value applications.

ARTS 7C Advanced Watercolor Painting I

Upon completion of this course, the student should be able to:

- demonstrate advanced painting skills utilizing interdisciplinary/hybrid approaches to painting utilizing watercolors alone or modified with mixed media.
- demonstrate aesthetic independence, critical thinking, creative initiative, and formal knowledge via an independent research project.
- identify advanced technical problems, analyze and objectively assess advanced watercolor paintings in a verbal critique.
- produce watercolor paintings demonstrating advanced color theory applications utilizing watercolors alone or modified with mixed media.
- produce watercolor paintings demonstrating advanced composition applications.

ARTS 7D Advanced Watercolor Painting II

Upon completion of this course, the student should be able to:

- demonstrate advanced painting skills utilizing interdisciplinary/hybrid approaches to painting utilizing watercolors alone or modified with mixed media.
- demonstrate aesthetic independence, critical thinking, creative initiative, and formal knowledge via an independent research project.
- identify and create advanced watercolor paintings utilizing advanced painting skills.
- produce watercolor paintings demonstrating advanced color theory applications utilizing watercolors alone or modified with mixed media.
- watercolor paintings demonstrating advanced composition applications.

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ARTS 12A Oil/Acrylic Painting: Beginning

Upon completion of this course, the student should be able to:

- administer appropriate terminology for critiquing and analyzing paintings.
- content to paintings and explain its meaning.
- compose paintings with the elements and principles of visual art and design.
- develop painting skills.
- paint with a variety of techniques.

ARTS 12B Oil/Acrylic Beginning II

Upon completion of this course, the student should be able to:

- administer appropriate terminology for critiquing and analyzing paintings.
- content to paintings and explain its meaning.
- compose paintings with the elements and principles of visual art and design.
- develop upon established painting skills.
- paint with a variety of techniques and refine those techniques.

ARTS 12C Oil/Acrylic Advanced I

Upon completion of this course, the student should be able to:

- administer appropriate terminology for critiquing and analyzing paintings.
- apply content to paintings and explain its meaning.
- compose paintings with the elements and principles of visual art and design.
- develop further upon established painting skills.
- focus on previously refined techniques to develop skill.

ARTS 12D Oil/Acrylic Advanced II

Upon completion of this course, the student should be able to:

- administer appropriate terminology for critiquing and analyzing paintings.
- apply researched content to paintings and explain its meaning.
- compose paintings with the elements and principles of visual art and design.
- focus on previously refined techniques to develop skill.

ARTS 23 2-D Design

Upon completion of this course, the student should be able to:

- create a portfolio of all projects that demonstrates a working knowledge of 2D design.
- create a self-portrait collage that demonstrates knowledge of the elements and principles of design.

ARTS 24 Three-Dimensional Design and Modeling

Upon completion of this course, the student should be able to:

- demonstrate and apply an understanding of 3D composition.
- demonstrate and apply excellent craftsmanship.

ARTS 26 Color Theory

Upon completion of this course, the student should be able to:

- describe the different interactions of color and how it affects color perception and to be able to revise/adjust color combinations to achieve color harmony.
- explain the difference between additive and subtractive color models and identify the appropriate instances to use each color model.
- make compositional decisions using color as the main design element by selecting colors appropriate to a project's design and communication goals.
- recognize traditional color schemes and color relationships when looking at color combinations

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Art History

Division: A&H (Arts & Humanities)

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ARHS 1 Introduction to Art History

Upon completion of this course, the student should be able to:

- demonstrate critical and creative thinking by applying interdisciplinary approaches to the interpretation of artwork.
- identify formal elements in an artwork and be able to ascertain how these elements create meaning in the chosen art work.
- Identify themes of art within a chosen art work across a broad range of cultures and time periods.

ARHS 3 Arts of Africa, Oceania, and Indigenous North Americas

Upon completion of this course, the student should be able to:

- examine the effect cultural context has on artistic production.
- recognize and describe the influence that materials and techniques have on the creative process.
- use appropriate art history terminology to analyze art.

ARHS 4 Western Art History – Ancient to Medieval

Upon completion of this course, the student should be able to:

- analyze the religious, cultural, economic and political issues of the ancient Western world and their relationship to artistic and architectural production.
- articulate connections between artistic movements and historical events in the Western world from pre-history through the Gothic period.
- identify ancient Western art movements, artists, and technical processes.

ARHS 5 Western Art History – Renaissance to Contemporary

Upon completion of this course, the student should be able to:

- analyze the religious, cultural, economic and political issues of the modern Western world and their relationship to artistic and architectural production.
- analyze works of art and how they relate to their associated world geography.
- identify Western art movements, artists, and technical processes from the Renaissance through the 20th century.

ARHS 8 Asian Art History

Upon completion of this course, the student should be able to:

- to analyze the religious, cultural, economic and political issues of Asian societies and their relationship to artistic and architectural production.
- articulate connections between artistic movements and historical events in Asian history.
- identify the art movements, artists, and technical processes of different Asian cultures.

Astronomy

Division: STEM (Science, Technology, Engineering & Math)

CSLOs

ASTR 30L Introduction to Astronomy Laboratory

Upon completion of this course, the student should be able to:

- effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.

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- perform naked eye and telescopic observations of objects in the night sky.
- quantitatively analyze their laboratory data, compare their results to accepted values, and evaluate the accuracy of their experiment.

ASTR 31 Introduction to Astronomy: The Solar System

Upon completion of this course, the student should be able to:

- describe the ways in which scientific principles have shaped the modern world and relate to daily life.
- explain physical principles relevant to the solar system and its formation, as well as those relevant to the search for extrasolar planets.
- use quantitative reasoning to determine relationships between physical quantities in astronomy.

ASTR 32 Introduction to Astronomy: Stars and the Universe

Upon completion of this course, the student should be able to:

- describe the ways in which scientific principles have shaped the modern world and relate to daily life.
- use quantitative reasoning to determine relationships between physical quantities in astronomy.
- explain physical principles relevant to light, telescopes, stars, galaxies, and cosmology.

Automotive Technology

Division: PATH (Public Safety, Adv. Manufacturing, Transportation, Health & Kinesiology)

CSLOs

AUTO A3 Manual Drive Train and Axles

Upon completion of this course, the student should be able to:

- obtain and interpret powertrain data related to manual gearboxes and axles.
- to apply Manual Drive Train and axle repair safety precautions.

AUTO A4 Suspension and Steering

Upon completion of this course, the student should be able to:

- apply steering and suspension repair safety precautions.
- obtain and interpret powertrain data related to the steering and suspension system.

AUTO A5 Brakes

Upon completion of this course, the student should be able to:

- apply brakes repair safety precautions.
- obtain and interpret powertrain data related to the brake system.

AUTO L3 Light Duty Hybrid/Electric Vehicles

Upon completion of this course, the student should be able to:

- perform hybrid safety precautions with 100% accuracy.
- perform the hybrid battery disconnect procedure.

AUTO INTL

Upon completion of this course, the student should be able to:

- perform an oil change with 100% accuracy.
- recognize and apply shop safety precautions.

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AUTO INTZ

Upon completion of this course, the student should be able to:

- recognize and apply shop safety precautions.
- perform an oil change with 100% accuracy.

AUTO LABA

Upon completion of this course, the student should be able to:

- apply safety in all lab conditions.
- work autonomously in a shop environment.

AUTO LABB

Upon completion of this course, the student should be able to:

- apply all safety precautions.
- complete hands on lab sessions with no instructor supervision necessary.

AUTO LABC

Upon completion of this course, the student should be able to:

- apply all safety precautions.
- complete hands on lab sessions with no instructor supervision necessary.

AUTO LABD

Upon completion of this course, the student should be able to:

- apply all safety precautions.
- complete hands on lab sessions with no instructor supervision necessary.

Biological Sciences

Division: STEM (Science, Technology, Engineering & Math)

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BIO 1A General Botany

Upon completion of this course, the student should be able to:

- conduct a research project, take measurements, keep accurate records, analyze and draw conclusions, and communicate experimental results in a standard format for scientific research.
- explain and apply principles and processes of botany and ecology at different organizational levels, from the biochemical to the ecological.
- explain and demonstrate the theoretical and practical aspects of using a compound microscope and dissecting microscope to study microorganisms and internal and external structures of plants, algae and fungi.
- have attained hands-on experience with and demonstrated proficiency in standard biological techniques, using industry-level biology laboratory equipment and/or discipline-specific computer hardware and software.

BIO 1B General Zoology

Upon completion of this course, the student should be able to:

- gain hands-on experience with and demonstrate proficiency in standard biological techniques, using industry level biology laboratory equipment and/or discipline-specific computer hardware and software.
- conduct a research project and communicate experimental results using standard scientific methods.
- explain and apply principles and processes of zoology and evolution at different organizational levels, from tissues to the ecological.

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- explain and demonstrate the theoretical and practical aspects of using a compound microscope to investigate structures, functions, and behaviors of unicellular eukaryotes and animal taxa.

BIO 1C Cell and Molecular Biology

Upon completion of this course, the student should be able to:

- conduct an independent research project, keep accurate records, analyze and draw conclusions, and communicate experimental findings in a standard format for scientific research.
- explain and demonstrate the theoretical and practical aspects of using a compound microscope to study the structure and function of cells, including preparation and staining of samples for compound microscopy.
- explain and apply basic principles and processes of cellular and molecular biology at different levels, from the biochemical to the cellular.
- gain hands-on experience with and demonstrate proficiency in standard biological techniques, using industry level biology laboratory equipment and/or discipline-specific computer hardware and software.

BIO 2A Bioinformatics

Upon completion of this course, the student should be able to:

- analyze and evaluate bioinformatics data to discover patterns and critically evaluate conclusions.

BIO 7A Human Anatomy

Upon completion of this course, the student should be able to:

- identify the structures of the body systems using models, slides, cadavers, and/or visual media.
- relate structure to the function of anatomical structures and understand how a change in structure would alter function.
- analyze clinical cases and/or human pathologies and communicate findings utilizing academic language.

BIO 7B Human Physiology

Upon completion of this course, the student should be able to:

- apply the principles of homeostasis and the use of feedback loops to control physiological systems in the human body.
- evaluate physiological functions of select organ systems by interpreting graphs of physiological data and be able to solve allied-based math problems.
- research a relevant topic in physiology and communicate their findings clearly in writing or orally to others, demonstrating content knowledge acquired from reliable scientific sources.

BIO 7C Microbiology

Upon completion of this course, the student should be able to:

- acquire, articulate, and apply specialized language and knowledge relevant to microbiology.
- acquire and demonstrate competency in laboratory safety and in routine and specialized microbiological laboratory skills applicable to microbiological research or clinical methods, including accurately reporting observations and analysis.
- explain and demonstrate the theoretical and practical aspects of using a compound microscope to study microorganisms using the oil immersion objective lens.
- research a relevant topic in microbiology and communicate scientific concepts, experimental results and analytical arguments clearly and concisely in writing and/or orally, demonstrating content knowledge acquired from the course work and from reliable scientific sources.

BIO 10 Introduction to the Science of Biology

Upon completion of this course, the student should be able to:

- conduct guided experiments in the laboratory and interpret the results of these investigations, individually and/or in collaboration with other students.
- to explain and apply basic principles of ecology, cellular, evolutionary, and organismal biology.
- properly manipulate a compound microscope and demonstrate knowledge of its parts and uses.

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- have gained hands-on experience with and demonstrated proficiency in standard biological techniques, using industry-level biology laboratory equipment and/or discipline-specific computer hardware and software.

BIO 20 Contemporary Human Biology

Upon completion of this course, the student should be able to:

- describe and relate the physical structure of the cells, tissues types and organ systems to their function.
- explain the concept of homeostasis and how the different body systems maintain homeostasis, and be able to relate homeostatic failure to some common pathological conditions.

BIO 30 Introduction to College Biology

Upon completion of this course, the student should be able to:

- conduct guided experiments in the laboratory and interpret the results of these investigations, individually and/or in collaboration with other students.
- demonstrate writing proficiency on a written assignment which incorporates scientific data and/or basic principles of biology.
- explain basic principles of biochemistry, ecology, and cellular, evolutionary, and organismal biology.
- properly manipulate a compound microscope and demonstrate knowledge of its parts and uses.
- have gained hands-on experience with and demonstrated proficiency in standard biological techniques, using industry-level biology laboratory equipment and/or discipline-specific computer hardware and software.

BIO 40 Humans and the Environment

Upon completion of this course, the student should be able to:

- analyze and critically evaluate environmental information from various sources, and present their findings.
- discuss environmental problems, their causes and evaluate solutions.
- explain basic principles of ecology involving energy flow, cycling of matter, interactions within and between populations and assess the impact of humans on the biosphere.

BIO 50 Anatomy and Physiology

Upon completion of this course, the student should be able to:

- list the organ systems, identify the structures of each organ system and explain their general functions.
- research a relevant anatomical or physiological topic and communicate their findings to others, demonstrating content knowledge acquired from reliable scientific sources.

BIO 55 Orientation to Health Care

Upon completion of this course, the student should be able to:

- discuss contemporary physiological, psychological, ethical, social, and public health issues.
- explore different health care occupations and create an educational action plan that aligns their interests, skills, and personality characteristics to a particular career path.

BIO 60 Marine Biology

Upon completion of this course, the student should be able to:

- conduct guided experiments in the laboratory and interpret the results of these investigations, individually and/or in collaboration with other students.
- differentiate various marine ecosystems, compare and contrast representative marine organisms, and understand their interdependence.
- properly manipulate a compound microscope and dissecting microscope to study marine microorganisms and internal structures of marine organisms.
- gained hands-on experience with and demonstrated proficiency in standard biological techniques, using industry-level biology laboratory equipment and/or discipline-specific computer hardware and software.

CSLOS

Business

Division: BSSL (Business, Social Science, and Learning Resources)

CSLOs**BUSN 1****A Financial Accounting**

Upon completion of this course, the student should be able to:

- calculate and analyze current ratio, debt ratio, and gross profit ratio.
- identify and name different components of a balance sheet and income statement.

BUSN 1B Managerial Accounting

Upon completion of this course, the student should be able to:

- to analyze and calculate the impact of changes in business income using cost volume profit analysis and construct contribution margin statements.
- identify and categorize different cost classifications for fixed, variable, and mixed costs.
- prepare operating and financial budgets and analyze variances.

BUSN 18 Business Law

Upon completion of this course, the student should be able to:

- compare and contrast alternative legal theories as they apply to a case.
- Critique legal decisions made by the courts.
- evaluate the dynamics behind multinational enterprises.
- formulate legal conclusions based on sound legal reasoning.

BUSN 20 International Business

Upon completion of this course, the student should be able to:

- compare and contrast the financial implications of international trade.
- describe procedures and documentation necessary to import a product from a foreign country.

BUSN 30 Business Ethics and Society

Upon completion of this course, the student should be able to:

- examine potential conflicts of interest within an organization which raise ethical considerations.
- recognize the process for resolving an ethical dilemma.
- analyze the role of American businesses in influencing ethical behavior and social responsibility in global markets.

BUSN 33 The Fundamentals of Personal and Family Financial Planning

Upon completion of this course, the student should be able to:

- compare the common types of consumer credits including credit cards and installment loans.
- develop a comprehensive personal financial plan.
- explain fundamental economic considerations that affect decision-making in personal finance.
- identify and categorize the financial statement elements associated with the balance sheet and income statement.

BUSN 40 Introduction to Business

Upon completion of this course, the student should be able to:

- communicate the impact of compliance-based and integrity-based ethics codes on the role of business in a market economy.
- compare the three primary business formations used by privately held American businesses.
- contrast management and leadership strategies in the function areas of management, marketing, finance, human resources and production.

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BUSN 45 Entrepreneurship

Upon completion of this course, the student should be able to:

- explain why creativity and innovation are integral parts of entrepreneurship.
- assess their readiness/ability/aptitude for entrepreneurship.
- create a lean business model.
- describe attributes required for being an entrepreneur.

BUSN 48 Human Relations in Organizations

Upon completion of this course, the student should be able to:

- analyze the primary leadership styles.
- compare and contrast the concepts of work, worth and leisure in the United States.
- describe the characteristics of change.
- evaluate organizational strategies of motivation.

BUSN 51 Accounting for Small Businesses

Upon completion of this course, the student should be able to:

- accurately record business transactions using journal entries.
- prepare a basic Income Statement and Balance Sheet for a merchandising company.

BUSN 52 Business Communications

Upon completion of this course, the student should be able to:

- evaluate the quality of business communication.
- plan for a job interview.
- solve a variety of communication problems.

BUSN 55 Business Mathematics

Upon completion of this course, the student should be able to:

- identify and interpret trends over a period using percentage increase or decrease.
- use percentages to calculate period over period increase or decrease in a given set of data.

BUSN 56 Introduction to Management

Upon completion of this course, the student should be able to:

- communicate the roles managers play in organizations.
- compare and contrast the primary managerial functions.
- model the primary state laws that govern managerial decisions.

BUSN 58 Small Business Management

Upon completion of this course, the student should be able to:

- break down the financial requirements and risks for starting a business.
- contrast the advantages and disadvantages of small business ownership.
- develop a marketing strategy for a small business launch.

BUSN 61 Quickbooks Accounting

Upon completion of this course, the student should be able to:

- complete end-of-period accounting procedures.
- correctly reconcile the bank statement.
- record depreciation and enter the adjusting entries required for accrual-basis accounting.
- record owner's equity transactions.

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BUSN 65 Federal Income Tax Accounting

Upon completion of this course, the student should be able to:

- describe the differences between an average and marginal tax rate.
- explain and use the expanded income tax formula to determine a tax liability or refund.
- identify and explain the general dependency tests as well as the tests for a dependent child and dependent relative.

BUSN 88 Human Resources Management

Upon completion of this course, the student should be able to:

- analyze the typical non-exempt compensation strategies.
- compare and contrast workplace security options.
- describe the process of human resources planning.
- discuss the role of unions in employee relations.

Campus Safety

Division: Administrative Units

CSLO

- No CSLOs

Chemistry

Division: STEM (Science, Technology, Engineering & Math)

CSLOs**CHEM 1A General College Chemistry I**

Upon completion of this course, the student should be able to:

- skillfully perform experimental measurements, techniques, and protocols, properly use standard laboratory instruments, and adhere to safe laboratory practices.

CHEM 1B General College Chemistry II

Upon completion of this course, the student should be able to:

- skillfully perform experimental measurements, techniques, and protocols, properly use standard laboratory instruments, and adhere to safe laboratory practices.

CHEM 12A Organic Chemistry I

Upon completion of this course, the student should be able to:

- skillfully perform experimental measurements, techniques, and protocols, properly use standard laboratory instruments, and adhere to safe laboratory practices.

CHEM 30A Introductory and Applied Chemistry I

Upon completion of this course, the student should be able to:

- define concentration units of solutions (e.g., molarity and % concentration) and use these definitions in problem solving.

CSLOS

- demonstrate proficiency in solving complex problems and conceptual understanding of content listed in the course outline as measured by the comprehensive final exam.
- skillfully perform experimental measurements, techniques, and protocols, properly use standard laboratory instruments, and adhere to safe laboratory practices.

CHEM 30B Introductory and Applied Chemistry II

Upon completion of this course, the student should be able to:

- skillfully perform experimental measurements, techniques, and protocols, properly use standard laboratory instruments, and adhere to safe laboratory practices.

CHEM 31 Introduction to College Chemistry

Upon completion of this course, the student should be able to:

- demonstrate proficiency in solving complex problems and conceptual understanding of content listed in the course outline as measured by the American Chemical Society 2006 California Chemistry Diagnostic Test.
- skillfully perform experimental measurements, techniques, and protocols, properly use standard laboratory instruments, and adhere to safe laboratory practices.

Communication Studies

Division: A&H (Arts & Humanities)

CSLOs

COMM C1000 Introduction to Public Speaking (*Formerly CMST 1*)

Upon completion of this course, the student should be able to:

- deliver a speech with effective content, organization, and delivery.

CMST 4 Introduction to Communication Studies

Upon completion of this course, the student should be able to:

- deliver a speech with effective organization, content, and delivery.
- effectively communicate in group performance to complete a task or goal.
- identify and illustrate necessary skills for application of interpersonal communication competence.

CMST 10 Interpersonal Communication

Upon completion of this course, the student should be able to:

- identify and demonstrate necessary skills for application of interpersonal communication competence.
- identify and demonstrate necessary skills of comprehension of interpersonal communication competence.

CMST 11 Intercultural Communication

Upon completion of this course, the student should be able to:

- demonstrate an ability to effectively communicate in a culture other than their own.

CMST 46 Argumentation and Debate

Upon completion of this course, the student should be able to:

- critically analyze an argument.
- develop and deliver an argument.

CMST 48 Activities in Forensics

CSLOS

Upon completion of this course, the student should be able to:

- perform a platform speech in a competitive situation.
- perform an oral interpretation presentation in a competitive situation.

Computer Information Systems

Division: STEM (Science, Technology, Engineering & Math)

CSLOs

CIS 10 Business Data Analytics

Upon completion of this course, the student should be able to:

- create business intelligence solutions for different business intelligence targets and users.
- apply analytical techniques used in business intelligence systems.
- create Dashboards utilizing data from several different data sources (spreadsheets, databases, data repositories).
- design maps based on geographic data.
- implement data connections to different data sources (spreadsheet, database, repository).
- identify the different data types and data roles and how they are used.

CIS 43 Professional Communication

Upon completion of this course, the student should be able to:

- analyze a business situation and select an appropriate approach to respond to it; use principles of routine and informative writing to create an appropriate response; apply standard business English including grammar, punctuation, and mechanics.
- demonstrate clear, compelling, analytical, and concise writing.

CIS 50 Introduction to Computing Information Technology

Upon completion of this course, the student should be able to:

- demonstrate basic computing literacy by using office applications, the Internet and computer-based tutorials.

CIS 54 MS Excel Essentials

Upon completion of this course, the student should be able to:

- analyze a business problem and apply appropriate Excel formulas, functions, and features to develop a solution.

CIS 55 Integrating Office Applications

Upon completion of this course, the student should be able to:

- construct projects efficiently generating solutions using various workplace computer programs.
- use Object Linking and Embedding (OLE), to create integrated Office documents.

CIS 59 Web Dev: HTML/CSS/Javascript

Upon completion of this course, the student should be able to:

- build web sites using Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) with the foundation skills such as: text configurations, color configuration and page layout to create Web Sites with enhanced focus on design, accessibility and Web standards.

CIS 60 Systems Analysis and Design

Upon completion of this course, the student should be able to:

- create survey questions to identify client requirements.

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CIS 66 Networking Fundamentals

Upon completion of this course, the student should be able to:

- install, configure, secure, and troubleshoot home or business networks.

CIS 71A Keyboarding (The Alphabet)

Upon completion of this course, the student should be able to:

- demonstrate proficiency of 30 words per minute on a 1-minute write with 1 or fewer errors.

CIS 71B Keyboard (Numbers and Symbols)

Upon completion of this course, the student should be able to:

- demonstrate accurate keyboarding input for all keys on the keyboard at the net words per minute (adjusted for errors) rate of 22 nwpm or better, apply typing technique to avoid muscle strain or injury, and demonstrate proofreading skill.

CIS 71C Skills Improvement

Upon completion of this course, the student should be able to:

- demonstrate accurate keyboarding input at the net words per minute rate that show improvement over the student's own initial benchmark keyboarding skill of 10 or more words per minute on 5 minute timed writings.

CIS 73A Ten-Key Skill Development

Upon completion of this course, the student should be able to:

- key numeric data using the numeric keypad at a minimum rate of 90 strokes per minute with 98 percent accuracy.

CIS 88A Introduction to Microsoft Word

Upon completion of this course, the student should be able to:

- create, save, retrieve, edit and print documents in correct business formats.

CIS 88B Adv Microsoft Word

Upon completion of this course, the student should be able to:

- produce complex business documents, create tables of contents and indexes, use Word's collaboration features to share documents, and integrate data from Excel and other programs.

CIS 89A Desktop Presentation

Upon completion of this course, the student should be able to:

- design, create, and view a slide show presentation.

Computer Networking Technology

Division: STEM (Science, Technology, Engineering & Math)

CSLOs

CNT 43 Professional Communications

Upon completion of this course, the student should be able to:

- analyze a business situation and select an appropriate approach to respond to it; use principles of routine and informative writing to create an appropriate response; apply standard business English including grammar, punctuation, and mechanics.
- demonstrate clear, compelling, analytical, and concise writing.

CSLOS

CNT 51 CompTIA's A+ Certification Computer Technician

Upon completion of this course, the student should be able to:

- install, configure, and troubleshoot operating systems and applications.
- install, configure, secure, and troubleshoot PC/Networking/Mobile devices.

CNT 52 Networking Fundamentals

Upon completion of this course, the student should be able to:

- install, configure, secure, and troubleshoot home or business networks.

CNT 55 MCSA I Windows Server Installation, Storage, and Compute

Upon completion of this course, the student should be able to:

- install, configure, secure, and troubleshoot Windows server in a domain environment.

CNT 68 Digital Forensics Fundamentals

Upon completion of this course, the student should be able to:

- apply standard computer forensics methodologies and tools to acquire, store, and analyze data.

CNT 69 Network Security; CompTIA Security + Certification

Upon completion of this course, the student should be able to:

- evaluate network security risks and responses.

CNT 7285 Cloud Infrastructure: CompTIA Cloud+ Certification

Upon completion of this course, the student should be able to:

- identify and differentiate various infrastructure components of classic and virtualized data center.

CNT 7401 Red Hat Linux Administration I

Upon completion of this course, the student should be able to:

- apply basic shell programming, including text manipulations, file I/O, and typical Linux/UNIX utility programs.
- create Linux desktop installation specifications.
- develop detailed design specifications for a substantive application, including major subsystems and interfaces.

CNT 7402 Red Hat Linux Administration II

Upon completion of this course, the student should be able to:

- automate Linux administrative tasks using BASH scripts.
- protect a Linux server using SELINUX.
- describe and manage storage devices, logical volumes, and storage layers within a Linux system.

CNT 8001 Cisco CCNA1/3 Introduction to Networks (ITN)

Upon completion of this course, the student should be able to:

- build a simple Ethernet network using routers and switches.

CNT 8002 Cisco CCNA2/3 Switching, Routing, and Wireless Essentials (SRWE)

Upon completion of this course, the student should be able to:

- configure and set-up static routing.
- implement VLAN and VLAN routing.

CSLOS

Computer Science

Division: STEM (Science, Technology, Engineering & Math)

CSLOs

CS 1 Computing Fundamentals I

Upon completion of this course, the student should be able to:

- develop a C++ program that demonstrates fundamental programming syntax and utilizes control structures such as loops, if, and switch statements.

CS 2 Computing Fundamentals II

Upon completion of this course, the student should be able to:

- design and implement a programmer-defined class using encapsulation and inheritance in C++.
- develop a C++ program that utilizes programmer-defined overloaded functions, overloaded operators, and friend functions.

CS 3 Red Hat Linux Administration II

Upon completion of this course, the student should be able to:

- automate Linux administrative tasks using BASH scripts.
- protect a Linux server using SELINUX.
- describe and manage storage devices, logical volumes, and storage layers within a Linux system.

CS 4 Introduction to Artificial Intelligence

Upon completion of this course, the student should be able to:

- formulate an appropriate model for a well-defined problem by defining states, actions, a transition model, and goal testing.
- explain artificial intelligence and how an agent can be considered intelligent and rational.
- design and implement problem-solving agents to solve search problems using appropriate search algorithms.
- develop and implement admissible and consistent heuristic functions for a search problem.
- design and implement knowledge-based agents that utilize propositional/first-order logic to infer and prove facts about the environment of the agent.
- design and implement decision-theoretic agents that select rational actions for a problem containing uncertainty.
- discuss the underlying ethical issues in developing artificial intelligence.

CS 7 Introduction to Computer Programming Concepts

Upon completion of this course, the student should be able to:

- explain and implement programmer-defined functions in Python.

CS 17 Discrete Mathematical Structures

Upon completion of this course, the student should be able to:

- determine whether a relation is an equivalence relation.
- create an undirected graph that represents the network of objects in a set and find a minimum spanning tree for the graph.
- use mathematical reasoning and counting techniques to correctly enumerate the number of ways in which a specified event can occur.
- write a coherent formal proof using mathematical induction.

CS 20 Advanced Programming with Data Structures/C++

Upon completion of this course, the student should be able to:

CSLOS

- demonstrate the use of fundamental syntax and control structures - including variables, arithmetic statements, if statements and loops.
- implement programs using linked lists, stacks, queues and binary trees, including implementations using the Standard Template Library.
- interpret and implement code using typical forms of recursion.

CS 21 Computer Organization and Assembly Language Programming

Upon completion of this course, the student should be able to:

- implement the assembly equivalent of while loops, for loops and switch statements.
- interpret and apply the machine representation of integers, characters, strings and floating point (e.g IEEE format) numbers.

CS 31 Java Programming

Upon completion of this course, the student should be able to:

- create and use programmer-defined functions in Java.

CS 41 Red Hat Linux Administration I

Upon completion of this course, the student should be able to:

- apply basic shell programming, including text manipulations, file I/O, and typical Linux/UNIX utility programs.
- create Linux desktop installation specifications.
- develop detailed design specifications for a substantive application, including major subsystems and interfaces.

CS 43 Professional Communications

Upon completion of this course, the student should be able to:

- analyze a business situation and select an appropriate approach to respond to it; use principles of routine and informative writing to create an appropriate response; apply standard business English including grammar, punctuation, and mechanics.
- demonstrate clear, compelling, analytical, and concise writing.

Dance

Division: A&H (Arts & Humanities)

CSLOs

DANC 1 Introduction to Dance

Upon completion of this course, the student should be able to:

- critique dance performances in terms of the intent, success of the choreographer, technique of the dancers, and incorporation of the elements of dance.
- identify elements of dance terminology.
- perform foundational dance techniques in the genres of ballet, modern, and jazz dance.

DANC 5A Introduction to Dance

Upon completion of this course, the student should be able to:

- construct dance compositions communicating a specific idea at an introductory level.
- construct dance compositions with a defined structure at an introductory level.
- construct engaging and original dance compositions.

CSLOS

Early Care and Education

Division: BSSL (Business, Social Science, and Learning Resources)

CSLOs

ECE 50 Early Childhood Principles and Practices

Upon completion of this course, the student should be able to:

- compare and contrast historical and current early childhood education perspectives, theories, and program types and philosophies.
- describe the role of the early childhood educator, including ethical conduct and professional pathways.
- examine a variety of observation, reflection, guidance and interaction strategies to increase children's social competence and promote a caring classroom community.
- identify the underlying theoretical perspective in forming a professional philosophy.
- identify quality in early education programs related to environment, curriculum, interactions and teaching strategies.

ECE 56 Child Growth and Development

Upon completion of this course, the student should be able to:

- apply knowledge of development and major theoretical frameworks to child observations.
- describe development of children from conception through adolescence in the physical, social, emotional and cognitive domains.
- identify cultural, economic, political and historical contexts that impact children's development.

ECE 62 Child, Family and Community

Upon completion of this course, the student should be able to:

- apply understanding of the foundational role of primary relationships and cultural differences in childrearing practices to create a culturally and linguistically appropriate learning environment.
- assess how their own values, goals, family history and life experiences, impact their relationships with children and families.
- describe socialization of the child focusing on the interrelationship of family, school, community and society.
- identify the educational, cultural, linguistic, political, and socioeconomic impacts on children and families.
- describe strategies that empower families and encourage family involvement in their children's development and education.

ECE 63 Early Childhood Curriculum

Upon completion of this course, the student should be able to:

- design and implement developmentally appropriate inclusive curriculum based on observation and assessment of young children to support play and learning in all developmental domains.
- apply theories of children's learning and development to key curricular content areas, through documentation and evaluation of curriculum.
- use reflective practices to evaluate the effectiveness of early childhood curriculum, classrooms, and teaching strategies.

ECE 67 Infant and Toddler Development and Caregiving

Upon completion of this course, the student should be able to:

- articulate responsive, reciprocal and respectful caregiving.
- intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- synthesize child development research and theories; apply principles with consideration for children's varying characteristics, needs and the multiple interacting influences on children's development.

CSLOS

ECE 79 Teaching in Diverse Society

Upon completion of this course, the student should be able to:

- evaluate classroom environments, materials, and approaches through an anti-bias lens for developmental, cultural, and linguistic appropriateness.
- evaluate the impact of personal experiences, biases and social identity on teaching effectiveness.
- evaluate the relationship between one's own experiences and the development of personal bias.
- identify strategies to act upon issues of social injustice and bias that occur in classrooms.
- summarize the history and influence of systemic racism and privilege, as well as internalized privilege and oppression, on the current experiences of children and adults.

ECE 83 Adult Mentoring and Supervision

Upon completion of this course, the student should be able to:

- create a professional portfolio.
- competency in communication and reflective practices when working with diverse adult populations.
- develop a personal ECE philosophy after reviewing ECE philosophies and program approaches.

ECE 90 Practicum-Supervised Experience

Upon completion of this course, the student should be able to:

- critically assess one's own teaching experiences to reflect and guide practice.

ECE 91 Adaptive Curriculum for Children with Exceptional Needs

Upon completion of this course, the student should be able to:

- use observation to integrate curriculum goals and objectives across developmental domains, content areas, and routines for children with special needs.

ECE 95 Work Experience

Upon completion of this course, the student should be able to:

- complete and implement objectives that improves the child learning environment.
- demonstrate developmentally appropriate practices in their work with young children.

ECE 96 Work Experience Seminar

Upon completion of this course, the student should be able to:

- utilize the code of ethics in making appropriate decisions for the children and families.

Economics

Division: BSSL (Business, Social Science, and Learning Resources)

CSLOs

ECON 1 Principles of Microeconomics

Upon completion of this course, the student should be able to:

- define market and its failures and explain how market forces of supply and demand lead to efficient allocation of goods, services and factors of production.
- define opportunity cost and marginal analysis and explain how they relate to choices of individuals in the economy.
- define different market structures and explain how firms optimize their fiscal objectives in these markets.

CSLOS

ECON 2 Principles of Macroeconomics

Upon completion of this course, the student should be able to:

- define market and explain how market forces of supply and demand lead to efficient allocation of goods, services and factors of production.
- define key economic indicators, including GDP, CPI, and Unemployment Rate, and use these quantitative measures to analyze the economy.
- describe monetary and fiscal policies and explain how they affect short-term economic fluctuations.

ECON 10 General Economics

Upon completion of this course, the student should be able to:

- define market and explain how market forces of supply and demand lead to efficient allocation of goods, services and factors of production.
- define opportunity cost and marginal analysis and explain how they relate to choices of individuals in the economy.
- define key economic indicators, including GDP, CPI, and Unemployment Rate, and use these quantitative measures to analyze the economy.

Emergency Medical Services

Division: PATH (Public Safety, Adv. Manufacturing, Transportation, Health & Kinesiology)

CSLOs

EMS 10 Paramedic Theory 1

Upon completion of this course, the student should be able to:

- describe the function of the Emergency Medical System and its historical development.
- assess and discuss respiratory emergencies, and utilize airway tools to treat patients.
- discuss the physiology and pathophysiology of emergent medical illnesses and traumatic injuries.

EMS 12 Paramedic Laboratory 1

Upon completion of this course, the student should be able to:

- demonstrate the successful insertion of an endotracheal tube into a simulated trachea.
- demonstrate the successful insertion of an intravenous catheter into a simulated vein.
- perform medication calculations.
- demonstrate the psychomotor skills related to medication administration, patient assessment, and airway management.
- use a variety of skills from their completed portfolio to assess a patient and carry out appropriate treatment.

EMS 16 Paramedic Clinical Occupational Work Experience

Upon completion of this course, the student should be able to:

- administer prehospital medications to the patient via the intramuscular route, intravenous route, nebulized route, and subcutaneous route.
- deliver a patient care report to a physician, registered nurse, or paramedic that is accurate and describes the care delivered by the student.
- perform a physical examination on a live patient with their consent and identify immediate life-threatening conditions that need to be treated.

EMS 17 Paramedic Capstone Occupational Work Experience

Upon completion of this course, the student should be able to:

- manage an emergency in the out-of-hospital setting by directing the resources of the local fire department and support personnel from the ambulance provider.

CSLOS

EMS 20 Emergency Medical Technician

Upon completion of this course, the student should be able to:

- proficiency in the psychomotor skills required in their scope of practice.
- describe the function of the Emergency Medical System and its historical development.
- discuss the physiology and pathophysiology of emergent medical illnesses and traumatic injuries within their scope of practice.

EMS 30 Emergency Medical Responder

Upon completion of this course, the student should be able to:

- implement treatment at the scope of practice of Emergency Medical Responder.
- recognize emergency medical illnesses and traumatic injuries.

EMS 62 Basic Medical Terminology

Upon completion of this course, the student should be able to:

- break down complex medical terms into simple root words and infer larger meanings through knowledge of smaller component word parts.

EMS 70 CPR for Health Care Providers

Upon completion of this course, the student should be able to:

- perform the CPR skills required for a Health Care Provider according to the standards of the American Heart Association.

Engineering

Division: STEM (Science, Technology, Engineering & Math)

CSLOs

ENGR 1 Introduction to Engineering

Upon completion of this course, the student should be able to:

- design and build a structure to solve an engineering design problem.
- identify and differentiate between the different engineering branches.
- use Microsoft Excel in engineering applications.

ENGR 23 Engineering Graphics

Upon completion of this course, the student should be able to:

- construct a solid model within CAD given only information found in orthographic projection.
- construct an assembly drawing in SolidWorks.
- create a drawing using several different geometric dimensions and tolerances.
- identify and draw the different types of sectional views.

ENGR 26 Computational Methods

Upon completion of this course, the student should be able to:

- apply a top-down design methodology to develop computer algorithms.
- use MATLAB to analyze and visualize data.
- create a MATLAB program utilizing numerical analysis techniques to solve an engineering related problem.

ENGR 35 Statics

Upon completion of this course, the student should be able to:

- analyze 2D and 3D force systems acting on engineering structures in static equilibrium.

CSLOS

- construct a free-body diagram.
- create and analyze shear force and bending moment diagrams for beam loading.
- resolve a force vector into cartesian component form.

ENGR 44 Intro to Circuit Analysis

Upon completion of this course, the student should be able to:

- analyze a 1st-order RL or RC electrical circuit.
- analyze a 2nd-order RLC electrical circuit.
- analyze electrical circuits using circuit simulation software.
- construct and analyze circuits on breadboards using standard electronic equipment.

English

Division: A&H (Arts & Humanities)

CSLOs

ENGL C1000 Academic Reading and Writing (*Formerly ENG 1A*)

Upon completion of this course, the student should be able to:

- read analytically to understand and respond to diverse academic texts.
- compose thesis-driven academic writing that demonstrates analysis and synthesis of sources as appropriate to the rhetorical situation.
- demonstrate strategies for planning, outlining, drafting, revising, editing, and proofreading written work.
- identify the main ideas and supporting arguments of a college-level text.
- research a topic using credible sources and document sources in an academically responsible way.
- use effective and correct sentence structures to convey ideas.
- write an academic essay using textual evidence to support a thesis.

ENG 4 Critical Thinking and Writing about Literature

Upon completion of this course, the student should be able to:

- identify and evaluate implied arguments in college-level literary texts.
- assess the best use of language, style, and voice for a variety of writing assignments and rhetorical contexts.
- write a research paper using credible sources and correct documentation.
- write an academic essay synthesizing multiple texts and using logic to support a thesis.

ENGL C1001 Critical Thinking and Writing (*Formerly ENG 7*)

Upon completion of this course, the student should be able to:

- define, recognize, and utilize forms of critical reasoning, including deductive and inductive reasoning, in a variety of rhetorical contexts.
- reflect critically on one's own thought processes to identify and avoid cognitive biases and common fallacies of language and thought.
- employ critical reading and research strategies to locate and evaluate complex texts representative of diverse experiences, perspectives, and forms of authority.
- evaluate and document evidence to construct arguments in a variety of rhetorical situations, distinguishing knowledge from belief and fact from judgment.
- craft written arguments to respond appropriately to texts, with attention to intended audience, purpose, and social context, and revise for clarity, cogency, persuasiveness, and soundness.
- evaluate the logic and validity of a nonfiction college-level text's reasoning and support. Use grammar, vocabulary, and style appropriate for academic essays.
- write a research paper using credible sources and correct documentation.
- write an academic essay synthesizing multiple texts and using logic to support a thesis.

CSLOS

ENG 11 Introduction to Creative Writing

Upon completion of this course, the student should be able to:

- write a short story applying techniques of dialogue, characterization, point-of-view, plot, description, style, tone, and voice.
- write poems in traditional and modern forms, applying techniques including image, metaphor, sound, and symbolism.

ENG 12A Craft of Writing Fiction

Upon completion of this course, the student should be able to:

- write and revise a story or chapter demonstrating proficiency in the basic elements of fiction, i.e., character, plot, setting, point of view, and theme.

ENG 12B Craft of Writing Fiction: Intermediate

Upon completion of this course, the student should be able to:

- write and revise a story or chapter demonstrating command of the elements of fiction, i.e., character, plot, setting, point of view, tone, figures of speech, symbolism, and theme to create resonance and meaning.

ENG 12C Craft of Writing Fiction: Advanced

Upon completion of this course, the student should be able to:

- demonstrate advanced skills in description, dialogue, characterization, point of view control, plotting, and theme
- identify subtle elements of craft within published fiction and the resulting effects of those elements, such as the relationship between craft and emotional or intellectual resonance.

ENG 20 Studies in Shakespeare

Upon completion of this course, the student should be able to:

- analyze an author's use of literary techniques to develop a theme.
- identify, analyze, and interpret the distinctive metaphors, poetic forms and vocabulary used in Shakespeare's plays and sonnets.
- recognize, appreciate, and compare the similarities and differences between authors, characters, and self that stem from historical era and cultural tradition.

ENG 41 Modern World Literature

Upon completion of this course, the student should be able to:

- analyze an author's use of literary techniques to develop a theme.
- analyze two authors from different cultures, recognizing universal themes as well as distinct ideas regarding human nature, cultural values, or literary form.
- recognize, appreciate, and compare the similarities and differences between authors, characters, and self that stem from historical era and cultural tradition.

ENG 115 Personalized Coaching for Academic Reading and Writing

Upon completion of this course, the student should be able to:

- identify and use a multi-step process for reading and writing assignments.
- identify and use strategies to improve self-efficacy, including campus supports.

English as a Second Language

Division: A&H (Arts & Humanities)

CSLOS

CSLOs

ESL 23 Advanced Grammar

Upon completion of this course, the student should be able to:

- analyze sentence structure of complex sentences with multiple clauses in written academic discourse.
- interpret and analyze verb tense and aspect, use appropriate verb tense and aspect in discourse, interpret, analyze, and use active and passive voice in discourse.
- recognize the multiple uses of verb forms in written discourse and have mastery over the verbs that are frequently followed by a gerund or an infinitive.
- use standard grammar terminology to analyze and discuss English in written academic discourse.

ESL 24 Advanced Reading and Composition I

Upon completion of this course, the student should be able to:

- demonstrate a low-advanced ability to identify main ideas and supporting details in level appropriate texts.
- produce an essay of five to six paragraphs with a minimum of 500 words that demonstrates clear organization, logical development, and correct language use.

ESL 25 Advanced Reading and Composition II

Upon completion of this course, the student should be able to:

- demonstrate a high-advanced ability to identify main ideas and supporting details in level appropriate texts.
- write an essay of five to seven paragraphs that demonstrates clear organization, logical development, and correct language use.

ESL 113 Speaking and Listening Fluency for Academic and Professional Purposes

Upon completion of this course, the student should be able to:

- present a researched topic accurately, professionally and persuasively.
- understand main ideas and details in an oral presentation like an academic lecture or TED Talk.
- distinguish between fact, opinion, and inference in an oral presentation.

ESL 120A Intermediate Grammar for Reading and Writing

Upon completion of this course, the student should be able to:

- discuss aspects of English using standard grammar terminology, including the parts of speech, parts of a sentence (subject, verb, direct object, indirect object, gerund, infinitive, prepositional phrase, and noun phrase), modal, and simple, compound, and complex sentences.
- distinguish subjects, verbs, direct objects, prepositional phrases, gerund phrases, infinitive phrases, and infinitives of purpose in simple, compound and complex sentences with adverb clauses.
- produce the verb forms (base form, past form, past participle, and present participle) and verbs that are frequently followed by a gerund or an infinitive for the verbs on the 0-1000 word list and select verbs from the 1000-2000 word list.
- select and use the correct verb tense (simple present and past, present and past progressive, future and present perfect) for verbs on the list of the most common 0-1000 verbs and select verbs from the 1000-2000 word list, especially the irregular verbs.

ESL 120B High-Intermediate Grammar for Reading and Writing

Upon completion of this course, the student should be able to:

- use standard grammar terminology to analyze and discuss English in written discourse: parts of speech, parts of a sentence (subject, verb, direct object, indirect object, gerund, infinitive, prepositional phrase, and noun phrase), modal, and simple, compound, and complex sentences.
- distinguish subjects, verbs, direct objects, prepositional phrases, gerund phrases, infinitive phrases, and infinitives of purpose in simple, compound and complex sentences with adverb, adjective and noun clauses.
- produce the verb forms (base, past, past participle, and present participle) and verbs that are frequently followed by a gerund or an infinitive from the verbs on the list of most common 0-2000.
- select and use the correct verb tense (simple, progressive, perfect, and perfect progressive: present, past, future) for verbs on the list of the most common 0-2000 words, especially the irregular verbs.

CSLOS

ESL 121A Intermediate Reading and Writing

Upon completion of this course, the student should be able to:

- demonstrate a low-intermediate ability to identify main ideas and supporting details in level appropriate texts.
- produce an essay of three or more paragraphs that demonstrates level appropriate and coherent writing through organization, development and language use.

ESL 121B High-Intermediate Reading and Writing

Upon completion of this course, the student should be able to:

- demonstrate a high-beginning ability to identify main ideas and supporting details in level appropriate texts.
- produce an essay of four or more paragraphs that demonstrates level appropriate and coherent writing through organization, development and language use.

ESL 123 Intermediate Oral Communication

Upon completion of this course, the student should be able to:

- comprehend a short lecture on an academic topic.
- research and make a five-minute presentation on a new topic.
- take dictation of sentences and questions.
- use academic vocabulary and expressions.

ESL 130A Beginning Grammar for Reading and Writing

Upon completion of this course, the student should be able to:

- name the parts of speech, the parts of a basic sentence (subject, verb, object), types of sentences: simple and compound, and common phrases (noun phrase, prepositional phrase).
- distinguish subjects, verbs, objects, and prepositional phrases in simple sentences.
- produce the verb forms (base form, past form, past participle, and present participle) for the verbs on the list of most common 0-500 words.
- select the correct verb tense (simple present, simple past, present progressive and future) for the verbs on the list of the most common 0-500 word list, especially the irregular verbs.

ESL 130B High-Beginning Grammar for Reading and Writing

Upon completion of this course, the student should be able to:

- use standard grammar terms to identify the parts of speech, parts of a sentence (subject, verb, direct object, indirect object, gerund, infinitive, prepositional phrase, noun phrase) modal, and simple, compound, and complex sentences.
- distinguish subject, verb, objects, and phrases (noun, prepositional, gerund, and infinitive) in simple and compound sentences.
- produce the verb forms (base form, past form, past participle, and present participle) and verbs that are frequently followed by a gerund or an infinitive for the verbs on the list of most common 0-1000 words.
- select and use the correct verb tense (simple present, simple past, present progressive and future) for the verbs on the list of the most common 0-1000 words, especially the irregular verbs.

ESL 131A Beginning Reading and Writing

Upon completion of this course, the student should be able to:

- demonstrate a low-beginning ability to identify main ideas and supporting details in level appropriate texts.
- produce paragraphs of 8 -12 sentences that demonstrate level appropriate and coherent writing through organization, development and language use.

ESL 131B High-Beginning Reading and Writing

Upon completion of this course, the student should be able to:

- demonstrate a high-beginning ability to identify main ideas and supporting details in level appropriate texts.
- produce a paragraph of 12-15 sentences that demonstrate level appropriate and coherent writing through organization, development and language use.

ESL 133 Beginning Oral Communication

CSLOS

Upon completion of this course, the student should be able to:

- participate in discussions in one-to-one and small group situations on a variety of topics.
- use level-appropriate grammatical structures, vocabulary, and idiomatic expressions for a variety of communicative purposes.
- take dictation of sentences and questions.
- retell the plot and/or main ideas from news items, movies, lectures, or presentations.

Environmental Studies

Division: STEM (Science, Technology, Engineering & Math)

CSLOs

EVST 5 Energy and Sustainability

Upon completion of this course, the student should be able to:

- evaluate energy efficiency in residential spaces and develop a plan to reduce energy use and cost.
- assess the efficacy of commercial methods of energy generation (e.g., fossil fuels, solar, wind) by analyzing economic factors, environmental effects, and scientific data.
- explain the practical meaning of sustainability in terms of climate change and environmental degradation on a planet with limited resources and a growing population.

Ethnic Studies

Division: BSSL (Business, Social Science, and Learning Resources)

CSLOs

ETHS 5 Psychology of Race and Identity

Upon completion of this course, the student should be able to:

- appraise one's own ethnic/cultural origins and one's biases towards certain groups.
- compare and contrast research biases in the study of individuals from diverse populations.
- compare and contrast the effects of prejudice, stereotyping, and discriminatory attitudes and behaviors upon majority and minority groups.
- describe skills that enhance cross-cultural communication, interactions, and relationships.
- describe stressors related to acculturation into a new society.
- explain how culture affects the conceptualization of mental health, symptomology and help seeking behaviors.

ETHS 6 Introduction to Race and Ethnicity

Upon completion of this course, the student should be able to:

- outline relevant sociological theories to accurately explain how race and ethnicity are socially constructed.
- analyze current or historical racial and ethnic group relations using sociological theory.
- conduct a research assignment using a multi-model sociological approach.
- produce an academic document that connects sociological research methods to sociological theory.

ETHS 10 African American Studies

Upon completion of this course, the student should be able to:

CSLOS

- identify major concepts and theories of ethnic studies.
- apply standpoints of African American communities to describe their lived experiences and struggles.
- critically analyze the intersection of race and ethnicity with other forms of social differences in African American communities.
- evaluate active engagement with anti-racist and anti-colonial social justice movements in African American communities.
- produce a document that analyzes the lived experiences and struggles of African American communities by applying major theories and concepts of ethnic studies.

ETHS 30 Introduction to Chicanx and Latinx Studies

Upon completion of this course, the student should be able to:

- identify major concepts and theories of ethnic studies.
- apply standpoints of Chicanx and Latinx American communities to describe their lived experiences and struggles.
- critically analyze the intersection of race and ethnicity with other forms of social differences in Chicanx and Latinx American communities.
- evaluate active engagement with anti-racist and anti-colonial social justice movements in Chicanx and Latinx American communities.
- produce a document that analyzes the lived experiences and struggles of Chicanx and Latinx American communities by applying major theories and concepts of ethnic studies

Film Studies

Division: A&H (Arts & Humanities)

CSLOs

FLMS 5 Introduction to Film Editing

Upon completion of this course, the student should be able to:

- describe the history and development of film and video editing as both a technology and an art form.
- explain and incorporate the major theories and approaches to film editing, both in their own filmmaking and in film analysis.
- critique the creative and technical decisions made in the process of digital editing.
- identify and describe the language and characteristics of non-linear digital editing in post-production.
- recognize and appreciate the contributions made by people from diverse cultures and backgrounds to film and video editing.
- discuss the socio-cultural issues that impact editing, including the power of editing in visual communication, the editor's identity and self-expression, AI issues in the industry.
- apply an understanding of the video post-production process through planning and teamwork, as well as organizing and managing data.
- use computers and editing program software for digital editing projects, including sound editing and mixing, color grading, and compressing media for web presentation.

Fire Service Technology

Division: PATH (Public Safety, Adv. Manufacturing, Transportation, Health & Kinesiology)

CSLOs

FST 1 Fire Protection Organization

Upon completion of this course, the student should be able to:

CSLOS

- explain the educational requirements and duties of a firefighter.
- explain the purpose of the various Fire Protection agencies.
- identify and explain the use of common fire department apparatus and equipment.

FST 2 Principles of Fire and Emergency Services Safety and Survival

Upon completion of this course, the student should be able to:

- define the role of the National Fire Protection Association (NFPA) and the Occupational Safety and Health Administration's (OSHA) related to Firefighter Health and Safety mandates.
- identify the 16 Firefighter Life and Safety Initiatives and their benefits for preventing Firefighter deaths and injuries.
- identify the means of preventing firefighter's deaths and injuries through a wellness and health program.

FST 3 Fire Behavior and Combustion

Upon completion of this course, the student should be able to:

- analyze Physical Conditions which determine the states of matter and how they influence fire behavior.
- compare and contrast methods and techniques of fire extinguishment.
- define basic terms and concepts related to fire behavior and chemistry.

FST 4 Fire Prevention

Upon completion of this course, the student should be able to:

- define the national fire problem including causes, damages, and public and firefighter fatalities.
- explain the responsibilities and functions of the fire prevention bureau in relationship to the fire department organizational structure.
- identify local, state and federal fire prevention organizations and regulatory agencies.
- research the minimum professional qualifications at the state and national level for Fire Inspector and Fire Investigator.

FST 5 Fire Protection Systems

Upon completion of this course, the student should be able to:

- describe fire protection systems in various structures and the history of sprinkler ordinances and legislation.
- describe the components of a fire alarm system and different types of detectors and how they detect fire.
- explain the operation and application of portable fire extinguishing systems.
- identify the components of sprinkler, standpipe and foam systems.

FST 6 Building Construction for Fire Protection

Upon completion of this course, the student should be able to:

- analyze the hazards and tactical considerations associated with the various types of building construction.
- explain the different loads and stresses that are placed on a building and their interrelationships.
- identify major types of building construction.
- identify the indicators of potential structural failure as they relate to firefighter safety.

FST 7 Fire Service Conditioning & Physical Agility Development

Upon completion of this course, the student should be able to:

- explain the importance of warm-ups and downs.
- discuss the benefits of maintaining a regular exercise program.
- explore exercise programs for flexibility, strength, endurance and cardiovascular development.
- develop increased aerobic fitness, muscular strength and endurance, and improved agility
- improve recovery time after exercise.
- identify appropriate lifestyle modification techniques.
- develop elementary wellness practices: healthy nutrition, stress reduction and coping skills, and adequate rest.
- discuss the psychological affect of mental fatigue.
- perform proper lifting and carrying techniques with "Tools of the Trade"
- identify health risk factors.
- demonstrate proper cardio-respiratory control with use of an SCBA while under physical exertion.
- demonstrate appropriate techniques for "CPAT" and traditional "Physical Agility" testing requirements.

CSLOS

French

Division: A&H (Arts & Humanities)

CSLOS

FREN 1A Beginning French

Upon completion of this course, the student should be able to:

- communicate orally at the beginning level.
- comprehend spoken French at the beginning level.
- write at the beginning level.

Geography

Division: STEM (Science, Technology, Engineering & Math)

CSLOS

GEOG 1 Introduction to Physical Geography

Upon completion of this course, the student should be able to:

- understand the difference between divergent, convergent and transform plate boundaries.
- understand the global wind patterns and how they form.
- understand the reasons why the seasons change.

GEOG 1L Introduction to Physical Geography Laboratory

Upon completion of this course, the student should be able to:

- diagram and identify (explain) earth / sun relations).
- identify major climate controls and be able to explain why certain climates are located where they are.
- locate plate boundaries based on the type of tectonic activity and be able to explain why they are located where they are.

GEOG 2 Cultural Geography

Upon completion of this course, the student should be able to:

- define, describe and explain the Multi-Nuclei model of urban development.
- differentiate between the different types of cultural diffusion.
- explain the Demographic Transition Model.

GEOG 8 Introduction to Atmospheric Science

Upon completion of this course, the student should be able to:

- define and describe the climates of the world as defined by Koppen.
- define different type of fronts and use these fronts on the map to predict the weather for a specific area.
- identify and describe the differences between stable and unstable air and give the expected weather characteristics.

CSLOS

Geology

Division: STEM (Science, Technology, Engineering & Math)

CSLOs

GEOL 1 Physical Geology

Upon completion of this course, the student should be able to:

- define and identify the geology of divergent, convergent and transform plate tectonic environments.
- identify and define the basic properties of minerals.
- identify and differentiate the basic ages of the Geologic Time Scale.

GEOL 1L Physical Geology Laboratory

Upon completion of this course, the student should be able to:

- evaluate and differentiate mineral samples.
- evaluate and differentiate rock samples.
- evaluate and interpret geologic diagrams encapsulating geologic histories.

GEOL 7 Environmental Geology: Resource

Upon completion of this course, the student should be able to:

- define and identify the geology of divergent, convergent and transform plate tectonic environments.
- identify and differentiate the various types of fossil fuels.
- identify and/or evaluate the various methods of groundwater pollution.

GEOL 12 Introduction to Oceanography

Upon completion of this course, the student should be able to:

- analyze, differentiate and/or identify the basic marine life habitats.
- define and identify the geology of divergent, convergent and transform plate tectonic environments.
- identify and differentiate basic marine geomorphologies (e.g., seamounts, guyots, continental shelf, submarine canyons, etc.)

GEOL 12L Introduction to Oceanography Lab

Upon completion of this course, the student should be able to:

- construct bathymetric contours.
- evaluate (test and identify) sea floor samples.
- interpret bathymetric maps.

GEOL 20 Earth Science for Educators

Upon completion of this course, the student should be able to:

- define and identify the geology of divergent, convergent, and transform plate tectonic environments.
- define the basic properties of minerals.
- evaluate and differentiate rock samples.

Global Studies

Division: BSSL (Business, Social Science, and Learning Resources)

CSLOs

GS 1 Introduction to Global Studies

CSLOS

Upon completion of this course, the student should be able to:

- analyze a current event using a variety of international news sources.
- apply world systems theory to explain global phenomena.
- identify concrete examples of the various ways that culture is globalized.
- produce an academic document which connects sociological research methods to globalization theory.

Graphic Design Digital Media

Division: A&H (Arts & Humanities)

CSLOs

GDDM 12 2D Animation

Upon completion of this course, the student should be able to:

- critically analyze and refine their own animation work based on self-evaluation, peer feedback, and examples of animation from the larger media culture.
- analyze the role of animation as a medium within both historical and contemporary art practices.
- individually and collaboratively create original animated artworks using a variety of methods.
- identify and incorporate principles of animation into their animation projects.
- incorporate related media skills relevant to animation such as camera operation, character/creature design, environmental layout, sound recording and editing, story boarding, script writing.

GDDM 51 Color Theory

Upon completion of this course, the student should be able to:

- describe the different interactions of color and how it affects color perception and to be able to revise/adjust color combinations to achieve color harmony.
- explain the difference between additive and subtractive color models and identify the appropriate instances to use each color model.
- make compositional decisions using color as the main design element by selecting colors appropriate to a project's design and communication goals.
- recognize traditional color schemes and color relationships when looking at color combinations

GDDM 53 Adobe Photoshop I

Upon completion of this course, the student should be able to:

- create photographic montages using Adobe Photoshop.
- use Photoshop tools to manipulate images for retouching, color correction, and basic adjustments.
- use various tools for creating Selections, Mask, and Alpha Channels to isolate and manipulate images.

GDDM 54 Adobe Illustrator I

Upon completion of this course, the student should be able to:

- create new Illustrator Documents efficiently and open existing Illustrator Documents for editing and modification: set-up/launch, retrieve, save for print and screen.
- demonstrate understanding of the Pen Tool, individual anchor points, and Bezier handles, and be able to manipulate artwork on a point-by-point level.
- use Illustrator at the most basic level to create illustrations and simple graphic designs.
- work in the Illustrator interface with facility.

GDDM 55 Web Design I

Upon completion of this course, the student should be able to:

- create and manipulate HTML and HTML5 and CSS within a HTML5 website.
- create optimized digital artwork to be used within a HTML website.

CSLOS

- exhibit an understanding of the utilization of time appropriate methodologies in producing website ready files. Build an html website with the optimized html code.
- use Dreamweaver at the most basic level to create a 5-page web site that shows good use of design principles and takes into account the needs of the end user.
- utilize image manipulation software to create an automated workflow in optimizing multiple images.

GDDM 56 Introduction to Graphic Design

Upon completion of this course, the student should be able to:

- critically analyze graphic design problems and artwork solutions.
- design and assemble a technically proficient body of two-dimensional design work that demonstrates the successful visualization of ideas and applies the fundamental knowledge and related set of skills to produce two-dimensional design work.
- develop and practice and the knowledge and skills to work in two-dimensional spaces utilizing the basic elements and principles of design: unity, balance, scale, hierarchy, emphasis, similarity and contrast, pattern and texture, color, etc.
- generate effective design processes by utilizing the fundamental design elements, such as: Squares, dots, lines, text and mass for creating effective compositions; current trends in visual communication.

GDDM 58 Photoshop II

Upon completion of this course, the student should be able to:

- apply design principles in relationship to digital image painting manipulation, illustration and other composition tasks.
- compose and manipulate a variety of images from various sources into photo-realistic composites.
- create accurate electronic files for delivery to screen (web, app development, multimedia) and print (prepress, photo prints).
- generate special effects in Photoshop using filters, adjustment layers, layer masks, and layer effects.

GDDM 64 Adobe InDesign I

Upon completion of this course, the student should be able to:

- apply the fundamental principles and considerations of page layout design by properly setting up a document to correct trim, bleed, margins, page count, and folds.
- create an effective layout by combining text and images and manage all related art assets for press ready output.
- effectively combine text and images into a single layout and manage all related art assets for final output.
- effectively use type with appropriate consideration to typeface, style, size, location, and formatting in regards to legibility and readability of text.
- identify various image formats, its features and its limitations and to use appropriate image types in page layouts at the correct size, resolution, and color space.
- utilize typographic tools and typesetting features in InDesign, demonstrating the ability to select the appropriate font, style, size, location, and formatting in regards to legibility of text.

GDDM 70 Photoshop and Lightroom for Photographers

Upon completion of this course, the student should be able to:

- use Photoshop Lightroom to import and manage a growing library of photos using keywords, star system, flags, collections, smart collections, and facial recognition in a photo database
- use Lightroom's Camera Raw editing capabilities to modify and edit Photos
- output a collection of photos to the web, photo printer, or 3rd party photo printing service
- use photographic tools within Photoshop for advanced editing

Health

Division: PATH (Public Safety, Adv. Manufacturing, Transportation, Health & Kinesiology)

CSLOs

CSLOS

HEA 1 Introduction to Personal Health

Upon completion of this course, the student should be able to:

- identify their modifiable and non-modifiable risk factors for personal health.
- locate health information related to their individual behavior change process and evaluate the credibility of those sources.
- integrate and apply scientific research into their individual behavior change process.
- feel empowered to implement positive health behaviors.

HEA 3 Women's Health

Upon completion of this course, the student should be able to:

- evaluate health-related messages about women in popular media sources.
- identify and discuss sexual rights issues as related to sexual health and responsible sexual behavior.
- identify the modifiable and non-modifiable risk factors for health.
- integrate scientific research into her or his behavior change process.
- locate credible health information.

HEA 7 Introduction to Public Health

Upon completion of this course, the student should be able to:

- discuss the multiple determinants of health.
- recognize the impact of policies, laws, and legislation on both individual and population health.
- recognize the importance of key events, studies, and milestones in the history and development of the field of public health.
- utilize credible sources of health data and information, and communicate that information to a wide range of audiences through an array of media.

History

Division: BSSL (Business, Social Science, and Learning Resources)

CSLOs

HIST 1 Western Civilization to 1600

Upon completion of this course, the student should be able to:

- explain the major political, economic, social, and cultural developments in Western Civilization before 1600, their causes and effects, and their historical significance.
- explain the significance of major discoveries and developments in technology, science, art, architecture, and literature.
- identify and distinguish the physical and political geography of Western Civilization.
- interpret primary and secondary sources and to compose an argument which uses them, as appropriate, for support.

HIST 4 World History since 1500

Upon completion of this course, the student should be able to:

- explain political, economic, social, cultural, and environmental developments across natural, regional, and cultural boundaries since 1500.
- explain the history of modern world civilizations through analytical categories of race, class, gender, ethnicity, and nationality.
- identify the ways trade, migration, warfare, and cultural and biological exchanges have affected nations and societies since 1500.
- interpret primary and secondary sources and to compose an argument which uses them, as appropriate, for support.

CSLOS

HIST 7 US History Through Reconstruction

Upon completion of this course, the student should be able to:

- explain the major social, cultural, economic, demographic, technological, and diplomatic developments in United States History through Reconstruction, their causes and effects, and their historical significance.
- explain the development of, and debates concerning, democracy and citizenship in the United States from its founding through Reconstruction.
- describe the origins, nature, development, and significance of slavery in the British colonies and the United States.
- describe the experiences of indigenous peoples of North America through Reconstruction.
- analyze and interpret primary and secondary sources.
- construct an argument using historical evidence.

HIST 8 US History Post-Reconstruction

Upon completion of this course, the student should be able to:

- explain the major social, cultural, economic, demographic, technological, and diplomatic developments in United States History since Reconstruction, their causes and effects, and their historical significance.
- explain the development of, and debates concerning, democracy and citizenship in the U.S. since Reconstruction.
- describe the major social movements in the U.S. since Reconstruction.
- explain the United States' changing role in the world since Reconstruction.
- analyze and interpret primary and secondary sources.
- construct an argument using historical evidence.

HIST 14 History and American Cultures of California

Upon completion of this course, the student should be able to:

- explain the historical significance of geography and environment in California.
- explain the history of California through analytical categories of race, class, gender, ethnicity, and nationality.
- explain the impact of California history on the economic, political, social, and cultural development of the United States.
- explain the major political, economic, social, and cultural developments, their causes and effects, and their historical significance.
- interpret primary and secondary sources and to compose an argument which uses them, as appropriate, for support.

HIST 25 American Indian History

Upon completion of this course, the student should be able to:

- identify and explain the major changes to American Indians resulting from European contact and colonization as well as from the formation and expansion of the United States.
- identify and explain the historical antecedents of the major contemporary issues facing American Indians.
- interpret primary and secondary sources relating to American Indian history and to compose a historical argument which uses them, as appropriate, for support.
- identify and explain key individuals, events, turning points, and social and cultural patterns in American Indian history.

HIST 32 U.S. Women's History

Upon completion of this course, the student should be able to:

- demonstrate skills in speaking and writing effectively while incorporating theoretical perspectives in Women's History and research methodology.
- explain the significant social, cultural, and economic developments and their impact upon women's lives.
- interpret primary and secondary sources.

CSLOS

Horticulture

Division: STEM (Science, Technology, Engineering & Math)

CSLOs

HORT 50 Introduction to Horticulture

Upon completion of this course, the student should be able to:

- demonstrate a clear understanding of the photosynthetic process.
- propagate a plant by taking vegetative cuttings.
- propagate plants by germinating seeds and caring for seedlings.

HORT 60 Landscape Irrigation Systems

Upon completion of this course, the student should be able to:

- identify and install landscape irrigation components.
- read and prepare a landscape irrigation plan.
- repair common irrigation malfunctions.

HORT 62 California Native and Dry Landscapes

Upon completion of this course, the student should be able to:

- identify California Native and drought tolerant plants by their botanical and common names.
- identify principles and components of a drip irrigation system.
- prepare a basic plan for a drought tolerant landscape.

HORT 74 Introduction to Urban Agriculture

Upon completion of this course, the student should be able to:

- identify appropriate seasonal planting and harvesting times for regionally suitable vegetable and fruit crops.
- design and build a functioning urban garden or small farm.
- complete a business plan for an urban farm and formulate a distribution model to either Farmer's Markets or non-profit agencies.

Humanities

Division: A&H (Arts & Humanities)

CSLOs

HUMN 2 Introduction to Film Studies

Upon completion of this course, the student should be able to:

- analyze films in terms of their formal elements, e.g. narrative structure, mise-en-scene, cinematography, editing, and sound.
- compare and contrast major film types and film genres.
- describe the evolution of cinema as an art form and a business, referencing the major film styles and industries in film history.

HUMN 4 Global Cinemas

Upon completion of this course, the student should be able to:

- analyze films in terms of both formal aspects and narrative or thematic content.
- compare and contrast characteristics of major global film styles and traditions.
- identify major developments in global film history in terms of how they relate to important historical and cultural contexts.

CSLOS

HUMN 6 Nature and Culture

Upon completion of this course, the student should be able to:

- articulate their own personal aesthetic of the natural world.
- describe examples of how the natural world has been creatively depicted in visual arts, media, literature, philosophy, and music.
- evaluate theories of environmental aesthetics.

HUMN 11 Culture and the Arts I: Ancient World to the Renaissance

Upon completion of this course, the student should be able to:

- discuss the impact of important Western and non-Western cultural and artistic developments on the global humanities.
- reconstruct a basic historical timeline of major artistic, cultural, religious, and philosophical movements from the Ancient World to the 15th century.

HUMN 28 World Mythology

Upon completion of this course, the student should be able to:

- analyze major texts of world mythology, both in terms of their insights and functions in the ancient world and in contemporary society.
- apply major theoretical approaches to mythology to interpret myths from world cultures.
- distinguish mythic sources in literature, music, and the visual arts.

Interior Design

Division: A&H (Arts & Humanities)

CSLOs

INTD 15 Drafting for Interior Design

Upon completion of this course, the student should be able to:

- design a floor plan based on conceptual bubble diagrams.
- render drawings, calculate scale sizes of an elevation drawing.
- have the ability to measure, calculate and draw a room using standard drafting procedures.

INTD 20 History of Interiors/Furnishings

Upon completion of this course, the student should be able to:

- have an ability to work with clients to respond to their individual needs and requests for specific styles of furniture.
- have knowledgeable about the various styles of Interior furnishings and Periods
- have an understanding of the principles relating to History of Interior furnishings
- understand manufacturing techniques specific to specific design periods
- show how to select appropriate furniture for a space from a specific time period.

INTD 25 Materials and Resources

Upon completion of this course, the student should be able to:

- to analyze current uses of materials and locate resources in home application.
- demonstrate presentation skills using a color board materials and citing resources for the "perfect" home.
- identify materials in residential homes and call out the product type, size, and resource.

CSLOS

Journalism and Media Studies

Division: A&H (Arts & Humanities)

CSLOs

JAMS 1 Introduction to Mass Communications

Upon completion of this course, the student should be able to:

- create a comparative analysis of how different media outlets cover a single news story.
- describe the history, social impact, economics, and regulation of Journalism and Media Studies.

JAMS 2 Introduction to Media

Upon completion of this course, the student should be able to:

- analyze the differences between new media technologies and traditional forms of mass communication, such as radio, television, and film.
- critically analyze the negative and positive impacts of technology on society.

JAMS 3 Introduction to Public Relations

Upon completion of this course, the student should be able to:

- create and pitch a professional public relations proposal that exhibits writing skills, creativity, understanding of (social) media and audiences, problem-solving abilities, and grasp of modern PR techniques.

JAMS 12 Introduction to Photojournalism

Upon completion of this course, the student should be able to:

- demonstrate typology as a method of photographic documentation.

JAMS 21A Express College Newspaper A

Upon completion of this course, the student should be able to:

- create The Express, demonstrating increasing understanding of use of headlines and text, architecture and design, content and organization, and elements that serve to establish a house style.

JAMS 21B Express College Newspaper B

Upon completion of this course, the student should be able to:

- critique The Express, demonstrating intermediate-level understanding of the standards of journalism, including effective use of journalistic writing style, visuals, design, layout, and editing.

JAMS 21C Express College Newspaper C

Upon completion of this course, the student should be able to:

- critique The Express, demonstrating intermediate-to-advanced understanding of the standards of journalism, including effective use of journalistic writing style, visuals, design, layout, and editing.

JAMS 21D Express College Newspaper D

Upon completion of this course, the student should be able to:

- critique The Express, demonstrating advanced understanding of the standards of journalism, including effective use of journalistic writing style, visuals, design, layout, and editing.

JAMS 22 Express Editorial Board

Upon completion of this course, the student should be able to:

- serve as a leader for the weekly college newspaper, The Express, recognizing, acquiring, producing, and distributing content; student will lead others in increased understanding of standards of journalism and design and increased understanding of online distribution.

CSLOS

JAMS 24A Naked Magazine: College Magazine A

Upon completion of this course, the student should be able to:

- contribute to the student magazine, Naked, with an increasing degree of proficiency, demonstrating professionalism, functional skills, teamwork, commitment to the organization, and completion of assigned stories and visuals in proper magazine style.
- design and edit stories and visuals in proper magazine style at a beginner level.

JAMS 24B Naked Magazine: College Magazine B

Upon completion of this course, the student should be able to:

- design and edit stories and visuals in proper magazine style at an intermediate level.

Kinesiology

Division: PATH (Public Safety, Adv. Manufacturing, Transportation, Health & Kinesiology)

CSLOs

KIN 6 Personal Trainer

Upon completion of this course, the student should be able to:

- design a safe and effective workout program.
- describe the role of a personal trainer in the scope of the allied health care profession.

KIN 17 Introduction to Athletic Training and Sports Medicine

Upon completion of this course, the student should be able to:

- describe the components of taping applications for the purpose of joint stability and injury prevention.
- list the roles and responsibilities of a Certified Athletic Trainer.
- perform first aid and CPR with AED.

KIN 18A Athletic Training Practicum 1

Upon completion of this course, the student should be able to:

- demonstrate techniques in passive stretching.
- apply first aid and acute care for wounds and injuries.
- demonstrate appropriate taping techniques for joint stability and injury prevention.
- complete an injury evaluation.

KIN 18B Athletic Training Practicum 2

Upon completion of this course, the student should be able to:

- demonstrate proper organization and management of a clinical setting.
- apply therapeutic modalities.
- evaluate musculoskeletal injuries and perform orthopedic tests.
- demonstrate proper legal and ethical behaviors expected of clinical practitioners.

KIN 24 Sport Psychology

Upon completion of this course, the student should be able to:

- describe the relationship between coach expectations and athlete performance.
- identify guidelines for coaches for building team cohesion.

KIN 30 Introduction to Kinesiology

Upon completion of this course, the student should be able to:

- identify a number of career options following a degree in kinesiology.
- identify programs of study within the field of kinesiology.

CSLOS

KIN 32A Fall Intercollegiate Men's Basketball

Upon completion of this course, the student should be able to:

- communicate the responsibilities and assignments of each position on the basketball court from an offensive and defensive standpoint.
- demonstrate proper ball handling, passing, and shooting technique.
- demonstrate the physical training (i.e., strength, speed, conditioning) needed to compete at the intercollegiate level.

KIN 38A Pre-Season Intercollegiate Men's Soccer

Upon completion of this course, the student should be able to:

- demonstrate effective defensive tactics.
- demonstrate effective offensive tactics.

KIN 38B Intercollegiate Men's Soccer

Upon completion of this course, the student should be able to:

- demonstrate an increase in fitness.
- understand and apply the laws of the game during an official soccer match.

KIN 40B In Season Intercollegiate Women's Volleyball

Upon completion of this course, the student should be able to:

- demonstrate appropriate offensive and defensive strategies to compete at the intercollegiate level.
- demonstrate and apply etiquette and sportsmanship during intercollegiate competition.
- demonstrate effective technical skills used in intercollegiate volleyball competitions.

KIN 41A Pre-Season Intercollegiate Women's Basketball

Upon completion of this course, the student should be able to:

- demonstrate an understanding of the language of basketball.
- perform advance defensive phases of Basketball (zone and player to player defense in the half court and full court).
- perform advance offensive phases of Basketball (dribble, pass and shoot through team half court sets, transitional sets, press breakers and out of bounds plays).
- be in the proper shape to compete at the collegiate level.
- be prepared to tryout and possibly make the Las Positas College basketball team.

KIN 41B Fall Intercollegiate Basketball- Women

Upon completion of this course, the student should be able to:

- demonstrate acquired defensive skills through competition: 1 out of 2 successful attempts (zone and player to player) in the half court and full court.
- demonstrate acquired offensive skills through competition: 4 out of 5 successful attempts (dribble and pass) and 2 out of 5 attempts (shooting) through half court sets, transitional sets, press breakers and out of bounds plays.

KIN 48B Intercollegiate Athletics: Women's Soccer

Upon completion of this course, the student should be able to:

- demonstrate an increase in fitness level.
- understand and apply the laws of the game during an official soccer match.

KIN 60 Intercollegiate Water Polo- Men's

Upon completion of this course, the student should be able to:

- demonstrate and apply etiquette and sportsmanship through intercollegiate competition.
- demonstrate appropriate offensive and defensive strategies to compete at the intercollegiate level.
- demonstrate effective throwing, catching, and shooting mechanics.

KIN 65 Intercollegiate Water Polo- Women's

CSLOS

Upon completion of this course, the student should be able to:

- demonstrate and apply etiquette and sportsmanship through intercollegiate competition.
- demonstrate appropriate offensive and defensive strategies to compete at the intercollegiate level.
- demonstrate effective throwing, catching, and shooting mechanics.

KIN BL1 Bowling 1

Upon completion of this course, the student should be able to:

- differentiate the four basic shots in bowling.
- display appropriate bowling etiquette.

KIN BL2 Bowling 2

Upon completion of this course, the student should be able to:

- reconstruct a brief history of bowling
- identify equipment and lane requirements for the sport of bowling
- develop a fitness level for the game of bowling
- demonstrate basic approaches, releases and rules for the game of bowling
- demonstrate the method of scoring
- demonstrate the etiquette to be observed in the game of bowling
- apply the concepts through actual competitive play

KIN BL3 Bowling 3

Upon completion of this course, the student should be able to:

- demonstrate the Four-Step Approach to bowling.

KIN BL4 Bowling 4

Upon completion of this course, the student should be able to:

- Identify advanced bowling equipment and aids for the game of bowling;
- develop fitness level for the game of bowling;
- demonstrate advanced approaches, releases and rules for the game of bowling;
- demonstrate the method of scoring;
- emanate the etiquette to be observed in the game of bowling;
- apply the concepts through competitive league play.

KIN FJW1 Fitness Jog Walk 1

Upon completion of this course, the student should be able to:

- compare and contrast various methods of evaluating exercise intensity.
- demonstrate an increase in their cardiorespiratory fitness.
- demonstrate safe walking posture, gait, and foot placement while walking at an easy pace.

KIN FJW2 Fitness Jog Walk 2

Upon completion of this course, the student should be able to:

- calculate the "Target Heart Rate Formula."
- demonstrate an increase in their cardiorespiratory fitness.
- demonstrate safe walking posture, gait, and foot placement while walking at a moderate pace.

KIN FJW3 Fitness Jog Walk 3

Upon completion of this course, the student should be able to:

- complete a training walk using accelerations every 100 yards.
- identify the nutritional needs for recreational or competitive events.
- calculate the "Target Heart Rate Formula."
- complete a mile distance while doing a combination of walking and jogging within 15 minutes
- complete one mile walking in under 20 minutes

KIN FJW4 Fitness Jog Walk 4

CSLOS

Upon completion of this course, the student should be able to:

- design an effective warm up and cool down.
- estimate their maximum heart rate and identify their target heart rate.
- walk and jog safely and effectively as a way to exercise and develop their overall aerobic fitness level.

KIN GBW1 Guts and Butts Workout 1

Upon completion of this course, the student should be able to:

- demonstrate an increase in their core and glute strength.
- demonstrate proper form during beginning level exercises that target the gluteal and abdominal musculature.
- identify the major muscle groups of the gluteal and abdominal musculature.

KIN GBW2 Guts and Butts Workout 2

Upon completion of this course, the student should be able to:

- demonstrate proper form doing during intermediate-level exercises that target the gluteal and abdominal musculature.
- identify exercises that target the gluteal and abdominal musculature.
- increase their core and glute strength

KIN GBW3 Guts and Butts Workout 3

Upon completion of this course, the student should be able to:

- demonstrate proper and safe form while doing intermediate/advanced strength training movements.
- identify the major muscle groups of the body.

KIN GBW4 Guts and Butts Workout 4

Upon completion of this course, the student should be able to:

- demonstrate proper form while performing advanced strength training movements.
- create an effective full body strength training workout utilizing the 5 main movement patterns.

KIN GF1 Golf 1

Upon completion of this course, the student should be able to:

- analyze the influence of alignment and grip on ball flight.
- distinguish between the overlapping, interlocking and ten-finger grips.

KIN GF2 Golf 2

Upon completion of this course, the student should be able to:

- identify the effects of a strong, weak and neutral grip.
- illustrate how a golfer creates lag in the golf swing.

KIN GF3 Golf 3

Upon completion of this course, the student should be able to:

- assess the significance of the hip pivot movement and its role in creating distance in golf ball flight.
- illustrate the appropriate sequence to start the downswing.

KIN GF4 Golf 4

Upon completion of this course, the student should be able to:

- sequence their down-swing by commencing with a rotation of the hips and torso, before exerting force with the shoulders, arms and hands.
- assess the significance of the hip pivot movement and its role in creating distance in golf ball flight.

KIN PIC1 Pickleball 1

Upon completion of this course, the student should be able to:

- demonstrate when and how to manipulate groundstrokes, execute volleys and disguise dinks.
- demonstrate knowledge of pickleball rules.

CSLOS

- apply Bandura's (1986) Self-Efficacy model to build confidence for pickleball.

KIN PIC2 Pickleball 2

Upon completion of this course, the student should be able to:

- be conversant with the origins of Salsa and its historical and cultural context. This will be assessed by written final exam.
- perform the basic step, side step, openings, and couple hold. A skills analysis will be done to assess level of proficiency.

KIN PIC3 Pickleball 3

Upon completion of this course, the student should be able to:

- demonstrate when and how to execute spin shots and disguise your service return.
- demonstrate knowledge of when and how to utilize pickleball doubles strategies.
- apply Attribution Theory to pickleball performance.

KIN PF Personal Fitness

Upon completion of this course, the student should be able to:

- enable the student to calculate the "Target Heart Rate Formula."
- complete a mile distance while doing a combination of walking and jogging within 15 minutes.
- complete one mile walking in under 20 minutes.

KIN PL1 Pilates 1

Upon completion of this course, the student should be able to:

- demonstrate correct alignment for Pilates mat work.
- demonstrate neutral spine, c-shape, and scoop.

KIN PL2 Pilates 2

Upon completion of this course, the student should be able to:

- apply knowledge of core stabilization during Pilates exercises.
- correctly utilize Pilates props.
- demonstrate an increase in core strength.

KIN SW1 Swimming 1

Upon completion of this course, the student should be able to:

- demonstrate competency of beginning level swimmers, including floating skills, and comfort in the water.
- demonstrate the basic techniques of freestyle and backstroke for 25 yards.
- demonstrate the basic techniques of elementary backstroke.

KIN SW2 Swimming 2

Upon completion of this course, the student should be able to:

- demonstrate competency of beginning-level swimming skills; including basic swim strokes (competitive and non-competitive) for 25 yards.
- illustrate the basic breathing technique for each of the four competitive strokes.

KIN SW3 Swimming 3

Upon completion of this course, the student should be able to:

- perform 100 yards of front crawl with proficient side-breathing and 100 yards backstroke, each with competitive flip-turn; 50 yards breaststroke and 50 yards butterfly, each with the correct competitive turn; 100 yard Individual Medley with correct turns, and a 500 yard continuous swim using any combination of swim strokes.
- utilize pace clocks to incorporate intervals in to a training regimen to enhance skill development.

KIN SW4 Swimming 4

Upon completion of this course, the student should be able to:

- compare and contrast stroke techniques using video analysis

CSLOS

- describe the benefits of using the front-mount snorkel
- demonstrate a competitive race start
- construct multiple stroke drills that lead to a stated objective for one stroke
- evaluate NCAA Swimming Rules and Regulations and apply them in a race situation
- demonstrate how to reduce friction and drag in an aquatic environment

KIN SWF1 Swimming for Fitness 1

Upon completion of this course, the student should be able to:

- to illustrate a personalized training program based upon aquatic training principles.
- demonstrate improvement in a timed swim.

KIN SWF2 Swimming for Fitness 2

Upon completion of this course, the student should be able to:

- a training methodology that will increase power and speed in swimming.
- demonstrate improvement in a timed sprint swim.

KIN SWF3 Swimming for Fitness 3

Upon completion of this course, the student should be able to:

- demonstrate an improvement in a timed 500-yard swim.
- demonstrate an improvement in a timed mid-distance swim.
- demonstrate threshold pace throughout a given set.

KIN SWF4 Swimming for Fitness 4

Upon completion of this course, the student should be able to:

- demonstrate improvement in a timed distance swim.
- demonstrate the benefit of interval training and pacing through demonstrated improvement in a timed 20-minute swim.
- identify the benefits of interval training and pacing as they relate to distance training.

KIN VB1 Volleyball Beginning

Upon completion of this course, the student should be able to:

- demonstrate cooperation and team work within round-robin play.
- demonstrate knowledge of the basic terminology and skills needed to participate in volleyball.

KIN VB2 Volleyball Intermediate

Upon completion of this course, the student should be able to:

- to demonstrate basic skills to include forearm passing, setting, attacking, digging, blocking, and serving.
- explain basic rules for indoor volleyball.
- perform agility footwork general to athletics and sport specific to volleyball.

KIN VB3 Volleyball Advanced

Upon completion of this course, the student should be able to:

- perform the 4 serves, float, top spin, overhead and jump serve, taught in the course. A final skills assessment will be given.
- be knowledgeable of the collegiate and international rules of volleyball. A rules exam will be given during the course.

KIN WT1 Weight Training 1

Upon completion of this course, the student should be able to:

- demonstrate proper form while performing beginning level weight training exercises.
- display appropriate gym etiquette.
- identify the major muscle groups utilized in weight training exercises.

KIN WT2 Weight Training 2

CSLOS

Upon completion of this course, the student should be able to:

- demonstrate an increase in muscular strength.
- demonstrate proper form while performing intermediate weight training exercises.
- identify which major muscle groups are activated during specific weight training exercises.

KIN WTW1 Women's Weight Training 1

Upon completion of this course, the student should be able to:

- demonstrate appropriate weight room etiquette.
- demonstrate proper form when executing beginning-level weight training exercises.
- express weight training's benefits and effect on long-term health.

KIN WTW2 Women's Weight Training 2

Upon completion of this course, the student should be able to:

- distinguish between cardio equipment and musculoskeletal equipment to develop overall body endurance.
- list 4 different circuits and the difference between each that is performed in class.

KIN YO1 Yoga 1

Upon completion of this course, the student should be able to:

- demonstrate an increase in their flexibility.
- demonstrate proper alignment in beginning level asanas.
- utilize various breathing techniques used in a yoga practice.

KIN YO2 Yoga 2

Upon completion of this course, the student should be able to:

- demonstrate proper alignment in intermediate level asanas.
- describe the benefits of breathing techniques used in a yoga practice.
- identify the eight limbs of yoga.

KIN YO3 Yoga 3

Upon completion of this course, the student should be able to:

- create and demonstrate a logical flow of yoga poses.
- demonstrate intermediate/ advanced yoga poses with proper alignment and appropriate breathing technique.

KIN YO4 Yoga 4

Upon completion of this course, the student should be able to:

- describe the eight limbs of Yoga using proper Sanskrit terminology.
- demonstrate and name 2-4 intermediate/advanced yoga poses in both English and Sanskrit.

Lesbian, Gay, Bisexual, Transgender, and Queer Studies (LGBT)

Division: A&H (Arts & Humanities)

CSLOs

LGBT 1 Introduction to LGBTQ Studies

Upon completion of this course, the student should be able to:

- explain the social, economic, political, intellectual, and cultural contributions of LGBTQ+ people of the past and present.
- explain how sexual identity and gender identity combine with nationality, race and ethnicity, religion, social class, and physical ability to shape the experiences of LGBTQ+ individuals.

CSLOS

- synthesize the relationships between epistemological frameworks used in LGBTQ+ studies and those used in other areas (i.e. Queer Theory, Feminist Theory, and Critical Theory).
- compare and contrast the key methodologies utilized in LGBTQ+ studies.

Marketing

Division: BSSL (Business, Social Science, and Learning Resources)

CSLOs

MKTG 50 Introduction to Marketing

Upon completion of this course, the student should be able to:

- Upon completion of MKTG 50, the student will be able to categorize the four Ps of marketing.
- Upon completion of MKTG 50, the student will be able to communicate the marketing concept and how it applies in both for-profit and nonprofit organizations.
- Upon completion of MKTG 50, the student will be able to model consumer behavior in the consumer decision making process.

MKTG 56 Marketing Strategies

Upon completion of this course, the student should be able to:

- Upon completion of MKTG 56, the student will be able to apply customer service principles to retain and grow customer loyalty through recognized consistent systematic improvement processes and use of social media.
- Upon completion of MKTG 56, the student will be able to compare the tools and techniques used to create and enhance profitable customer service experiences in the traditional and digital sales environment.
- Upon completion of MKTG 56, the student will be able to create effective online marketing strategies and campaigns, and employ free web analytics tools to track and measure success.

MKTG 61 Professional Selling

Upon completion of this course, the student should be able to:

- Upon completion of MKTG 61, the student will be able to evaluate the consumers reasoning process when making a buying decision.
- Upon completion of MKTG 61, the student will be able to express the functions performed by sales people in the United States economic system.
- Upon completion of MKTG 61, students will be able to incorporate the techniques of persuasion.

Math

Division: STEM (Science, Technology, Engineering & Math)

CSLOs

MATH 1 Calculus I

Upon completion of this course, the student should be able to:

- construct an optimization model and use it to find the desired quantity.
- evaluate and interpret a definite integral.
- find the roots of a function using Newton's method.
- find the volume of a solid of revolution using washers or shells.
- integrate a function involving a u-substitution.

MATH 2 Calculus II

CSLOS

Upon completion of this course, the student should be able to:

- determine an arc length using parametric equations.
- determine the interval of convergence for a power series.
- evaluate an integral using a power series representation.
- integrate a function using a partial fraction expansion.
- numerically evaluate an integral using Simpson's Rule and determine the error.

MATH 3 Multivariable Calculus

Upon completion of this course, the student should be able to:

- evaluate a surface integral.
- evaluate a surface integral for vector functions using parameterization of the surface or using the Divergence theorem.
- interpret directional derivatives, including the gradient.
- solve an optimization problem by using the method of LaGrange multipliers.

MATH 5 Ordinary Differential Equations

Upon completion of this course, the student should be able to:

- construct and interpret the solution of a mass-spring system.
- construct a model an RLC using differential equations.
- use a 4th order Runge-Kutta algorithm to solve an equation numerically.
- use the method of Laplace transforms to solve differential equation.

MATH 7 Elementary Linear Algebra

Upon completion of this course, the student should be able to:

- determine if a set is a subspace of a vector space.
- diagonalize a matrix.
- set up a system of Linear Equations to represent a network and then solve the system.
- use software to solve a least squares problem.

MATH 10 Discrete Mathematical Structures

Upon completion of this course, the student should be able to:

- create an undirected graph that represents the network of objects in a set and find a minimum spanning tree for the graph.
- determine whether a relation is an equivalence relation.
- use mathematical reasoning and counting techniques to correctly enumerate the number of ways in which a specified event can occur.
- write a coherent formal proof using mathematical induction.

MATH 21 Precalculus

Upon completion of this course, the student should be able to:

- graph and identify the main features of a precalculus level function without using a graphing utility.
- model a precalculus level application.
- define trigonometric functions in terms of a right triangle, using coordinates of a point and distance from the origin, and using the unit circle.
- solve a multi-step trigonometric equation.

MATH 34 Business Calculus

Upon completion of this course, the student should be able to:

- analyze problems involving limits and continuity.
- evaluate derivatives.
- evaluate indefinite and definite integrals.
- set up and solve applications of derivatives, including the use of appropriate technology.
- solve problems involving functions of two variables.

CSLOS

MATH 39 Trigonometry

Upon completion of this course, the student should be able to:

- define trigonometric functions in terms of the right triangle, using coordinates of a point and distance from the origin, and using the unit circle.
- identify and describe the period, amplitude and phase shift of a sine or cosine function.
- solve a trigonometric equation that does not involve any of the standard angles as solutions, making usage of a calculator necessary.
- solve a trigonometric equation using factoring and identities.
- solve an application problem using law of sines or law of cosines.

MATH 47 Mathematics for Liberal Arts

Upon completion of this course, the student should be able to:

- develop and use an appropriate model (linear or exponential) for a given problem.
- identify a set that can be represented as a union or intersection of two other sets and describe this set in the context of an applied problem.
- solve a financial problem involving amortization.
- translate a statement into symbolic logic notation.

MATH 55 Intermediate Algebra

Upon completion of this course, the student should be able to:

- interpret the results of an applied math problem at an intermediate algebra level.
- set up and solve applications at an intermediate algebra level.
- simplify expressions at an intermediate algebra level.
- solve a multi-step equation at an intermediate algebra level.

MATH 55C Concurrent Support for Intermediate Algebra

Upon completion of this course, the student should be able to:

- use effective strategies to read mathematical text for understanding.
- develop study skills and life skills that will improve the student's likelihood of succeeding in their academic goals (such as time management, study skills, identifying his/her individual growth mindset, brain research on learning).
- organize and justify their mathematical thinking on Intermediate Algebra problems.
- use a problem-solving process to read mathematical problems with understanding, identify relevant information, define variables, execute relevant procedures and interpret results in the context of the problem.
- use learning strategies to identify and communicate in their own words the key concepts of Intermediate Algebra.

MATH 66 Math Jam for Calculus I

Upon completion of this course, the student should be able to:

- apply prerequisite mathematical topics at a higher level.
- develop study skills and life skills that will improve the student's likelihood of succeeding in his or her academic goals (examples of topics include brain research, identifying his/her individual growth mindset, personal time management, test taking and conquering math anxiety strategies, etc.).
- formulate short-term and long-term learning objectives based on their academic goal(s).
- identify skills needed to become a more productive, successful, and independent learner.

MATH 66C Concurrent Support for Calculus I

Upon completion of this course, the student should be able to:

- develop study skills and life skills that will improve the likelihood of succeeding in their academic goals, such as identifying individual growth mindset and learning about brain research, personal time management, study skills, test taking and conquering math anxiety strategies, etc.
- identify challenging mathematics topics and be able to communicate in writing the correct strategies and processes for solving relevant mathematics problems.
- read mathematical writing with understanding and use this skill as preparation to solve relevant mathematics problems.
- utilize online and other technological resources effectively to enhance their understanding of a mathematics topic.

CSLOS

MATH 67 Math Jam for Calculus II

Upon completion of this course, the student should be able to:

- apply prerequisite mathematical topics at a higher level.
- develop study skills and life skills that will improve the student's likelihood of succeeding in his or her academic goals (examples of topics include brain research, identifying his/her individual growth mindset, personal time management, test taking and conquering math anxiety strategies, etc.).
- formulate short-term and long-term learning objectives based on their academic goal(s).
- identify skills needed to become a more productive, successful, and independent learner.

MATH 67C Concurrent Support for Calculus II

Upon completion of this course, the student should be able to:

- develop study skills and life skills that will improve the likelihood of succeeding in their academic goals, such as identifying individual growth mindset and learning about brain research, personal time management, study skills, test taking and conquering math anxiety strategies, etc.
- identify challenging mathematics topics and be able to communicate in writing the correct strategies and processes for solving relevant mathematics problems.
- read mathematical writing with understanding and use this skill as preparation to solve relevant mathematics problems.
- utilize online and other technological resources effectively to enhance their understanding of a mathematics topic.

MATH 68 Math Jam for Calculus III

Upon completion of this course, the student should be able to:

- apply prerequisite mathematical topics at a higher level.
- develop study skills and life skills that will improve the student's likelihood of succeeding in his or her academic goals (examples of topics include brain research, identifying his/her individual growth mindset, personal time management, test taking and conquering math anxiety strategies, etc.).
- formulate short-term and long-term learning objectives based on their academic goal(s).
- identify skills needed to become a more productive, successful, and independent learner.

MATH 100C Concurrent Support for SLAM Mathematics

Upon completion of this course, the student should be able to:

- develop study skills and life skills that will improve the likelihood of succeeding in their academic goals, such as identifying individual growth mindset and learning about brain research, personal time management, study skills, test taking and conquering math anxiety strategies, etc.
- identify challenging mathematics topics and be able to communicate in writing the correct strategies and processes for solving relevant mathematics problems.
- read mathematical writing with understanding and use this skill as preparation to solve relevant mathematics problems.
- utilize online and other technological resources effectively to enhance their understanding of a mathematics topic.

MATH 101C Concurrent Support for BSTEM Mathematics

Upon completion of this course, the student should be able to:

- develop study skills and life skills that will improve the likelihood of succeeding in their academic goals, such as identifying individual growth mindset and learning about brain research, personal time management, study skills, test taking and conquering math anxiety strategies, etc.
- identify challenging mathematics topics and be able to communicate in writing the correct strategies and processes for solving relevant mathematics problems.
- read mathematical writing with understanding and use this skill as preparation to solve relevant mathematics problems.
- utilize online and other technological resources effectively to enhance their understanding of a mathematics topic.

CSLOS

Mindfulness

Division: A&H (Arts & Humanities)

CSLOs

MIND 15 Introduction to Mindfulness

Upon completion of this course, the student should be able to:

- demonstrate the practical skills of mindfulness meditation including deepening concentration and building resilience.
- demonstrate competence in communicating about experiences in meditation and about one's own mindfulness practice.
- analyze and appraise contemporary theories and research about mindfulness practice.
- describe the historical significance of various ancient meditative traditions and their impact on current mindfulness and meditative practice

Music

Division: A&H (Arts & Humanities)

CSLOs

MUS 1 Introduction to Music

Upon completion of this course, the student should be able to:

- analyze particular musical works with regard to style and technical elements.
- outline the broad history of music in the Western European tradition, both sacred and secular.
- synthesize and integrate general musical analysis into short analytical papers about music.

MUS 4 Jazz in American Culture

Upon completion of this course, the student should be able to:

- analyze particular musical works with regard to style, technical elements.
- compare the parallel political and social climate that has affected jazz's evolution.
- through informed listening and reading, students should be able to apply critical thinking and writing to distinguish the different styles of jazz and its most important pioneers and innovators.

MUS 5 American Cultures in Music

Upon completion of this course, the student should be able to:

- analyze and interpret particular musical works with regard to style and technical elements.
- distinguish and debate the contributions of the various cultures that make up America's popular music and its people.
- synthesize factual information and historical evidence through informed listening, analysis, form, and repertoire.

MUS 8A Music Theory and Musicianship 1

Upon completion of this course, the student should be able to:

- analyze basic chord progressions using standard Roman Numeral analysis.
- hear music with understanding, recognizing patterns, and musical function. To demonstrate this ability, students should be able to aurally identify all intervals - ascending, descending, and harmonic.
- transcribe and correctly notate basic rhythms and melodies.

MUS 10A Music Theory and Musicianship 3

Upon completion of this course, the student should be able to:

CSLOS

- analyze harmonic, melodic, and formal elements of chromatic music using a variety of techniques and approaches.
- transcribe and correctly notate moderately advanced rhythms, chord progressions, and melodies.
- utilize their knowledge of music theory to compose a variety of short pieces.

MUS 11 Commercial Music Combo

Upon completion of this course, the student should be able to:

- perform commercial music repertoire at an introductory level.
- transcribe and perform commercial music licks in all 12 keys.

MUS 13 History of Rock & Roll

Upon completion of this course, the student should be able to:

- articulate the influence of modern technology on musical instruments and recording techniques.
- differentiate between various styles of rock and popular music.
- synthesize factual information and historical evidence through informed listening, analysis, evaluation and discernment of musical elements, forms and repertoire.

MUS 15 Jazz Ensemble

Upon completion of this course, the student should be able to:

- to demonstrate an adherence to recognize standards of professionalism in a rehearsal setting.
- demonstrate the ability to play on pitch in a section and ensemble as directed by a conductor.
- perform stylistically appropriately to the period/style of the composition.

MUS 16 Philharmonic Orchestra

Upon completion of this course, the student should be able to:

- demonstrate an adherence to recognized standards of professionalism in a rehearsal setting.
- demonstrate the ability to play on pitch in a section and ensemble as directed by a conductor.
- perform stylistically appropriately to the period/style of the composition.

MUS 17A Jazz Combo 1

Upon completion of this course, the student should be able to:

- develop mastery of improvisation based on study of jazz masters.
- perform jazz repertoire at an introductory level.
- transcribe and perform basic musical licks in all 12 keys.

MUS 21A Beginning Piano

Upon completion of this course, the student should be able to:

- demonstrate basic piano technique using proper hand position, posture, and fingering.
- practice course material effectively on their own.
- practice, perform, and memorize scales, chords, and simple harmonic progressions.

MUS 21B Intermediate Piano

Upon completion of this course, the student should be able to:

- apply intermediate music theory when performing scales, chords, and progressions.
- employ intermediate piano technique and incorporate it into daily practice.
- practice, master, and memorize intermediate repertoire in a variety of styles while displaying accurate rhythm, fingering, and expression.

MUS 22A Scoring Film and Multimedia 1

Upon completion of this course, the student should be able to:

- analyze a piece of music by recognizing instrumentation, thematic development, and compositional intent.
- create original music for film, games, and other types of multimedia projects.
- have a foundational skill set for working with digital audio workstation software and recording technology.

CSLOS

MUS 22B Scoring Film and Multimedia 2

Upon completion of this course, the student should be able to:

- create detailed, professionally produced original music for film, games, and other types of multimedia projects.
- critically analyze a scene, cue, or any implementation of music in media by exploring its musical and extra-musical characteristics.
- skillfully work with digital audio workstation software, MIDI, and recording technology.

MUS 23A Elementary Voice

Upon completion of this course, the student should be able to:

- demonstrate an acute awareness of diction, vowels, and pronunciation in English and Italian singing.
- demonstrate knowledge of the basic anatomy and physiology involved in tone production and the respiratory system and its contribution to singing.
- present a polished performance of two songs; these songs must be memorized and demonstrate an improvement in vocal technique (clarity of tone, resonance and breath support) as proscribed by the instructor.

MUS 23B Intermediate Voice

Upon completion of this course, the student should be able to:

- demonstrate advanced knowledge of the anatomy and physiology involved in tone production and the respiratory system and its contribution to singing.
- demonstrate an acute awareness of diction, vowels, pronunciation, and introductory IPA proficiency in multiple languages.
- present a polished performance of two songs; these songs must be memorized and demonstrate an improvement in vocal technique (clarity of tone, resonance and breath support) as proscribed by the instructor.

MUS 28 Keyboard Skills

Upon completion of this course, the student should be able to:

- to apply theory and technique to a variety of piano repertoire.
- perform all triads, and major and minor scales in all keys with appropriate technique.
- sight-read and perform intermediate piano excerpts.

MUS 34 Music in Film

Upon completion of this course, the student should be able to:

- distinguish the styles of prominent film music composers and their contributions to the field of film scoring.
- recognize significant trends in the history of American film scoring and their relationship to developments in American cinema, both technological and cultural.

MUS 35 Introduction to Music Technology

Upon completion of this course, the student should be able to:

- explain and demonstrate basic principles of sound and acoustics.
- understand and be able to demonstrate basic techniques in using a Digital Audio Workstation with MIDI capability.
- understand and demonstrate general music technology concepts, equipment, software, and industry practices.

MUS 38 Applied Lessons

Upon completion of this course, the student should be able to:

- successfully demonstrate the Applied Lessons Requirements (organize by semester of study) as outlined by the music department faculty.
- complete successful music performances and final jury or recital demonstrating overall improvements and advancement in individual study.
- complete the required number of lessons, on-campus practice hours, musical exercises, and repertoire as assigned by the instructor.

MUS 41 Instrumental Chamber Music

Upon completion of this course, the student should be able to:

CSLOS

- adhere to recognized standards of professionalism in a rehearsal setting.
- perform a variety of chamber or orchestral repertoire.
- perform stylistically appropriately to the period/style of the composition.
- play with correct pitch, rhythm, and dynamics with other instrumentalists.

MUS 45 Chamber Choir

Upon completion of this course, the student should be able to:

- demonstrate appropriate stage appearance and overall ability through multiple performances of music in a variety of cultural styles.
- demonstrate improvements in advanced rhythms, intonation, overall musicianship, and ability to carry one's part singing within an ensemble.
- demonstrate successful ensemble methods, adhering to director's instructions.

MUS 46 Vocal Jazz Ensemble

Upon completion of this course, the student should be able to:

- demonstrate advanced overall musicianship and ability to carry one's part singing within an ensemble.
- demonstrate advanced understanding of the performance sound system, including safe set-up, take-down, and operation.
- demonstrate appropriate stage appearance and overall ability through multiple performances of music in a variety of cultural styles.
- perform intermediate solo improvisation using appropriate syllables and articulations.

MUS 48 Improvisation Lab

Upon completion of this course, the student should be able to:

- demonstrate facility and technique in performing improvisations in solo and ensemble contexts.
- perform, memorize, and interpret repertoire in a variety of styles.

MUS 145 Piano Technology 1

Upon completion of this course, the student should be able to:

- roughly tune a Vertical piano, bass and tenor section. Assiduous students, roughly a whole piano.
- perform some basic repairs of Vertical pianos.
- roughly voice a Vertical piano

MUS 146 Piano Technology 2

Upon completion of this course, the student should be able to:

- tune upright and grand pianos at an intermediate level using industry standard equipment.
- make intermediate repairs to upright and grand pianos.
- voice a piano at an intermediate level.

MUS 147 Piano Technology 3

Upon completion of this course, the student should be able to:

- tune upright and grand pianos at an intermediate level using industry standard equipment.
- make intermediate repairs to upright and grand pianos.
- voice a piano at an intermediate level.

CSLOS

Noncredit Automotive Technology

Division: PATH (Public Safety, Adv. Manufacturing, Transportation, Health & Kinesiology)

CSLOs**NAUT A3 Manual Drive Train and Axles**

Upon completion of this course, the student should be able to:

- apply Manual Drivetrain and axle repair safety precautions.
- obtain and interpret powertrain data related to manual gearboxes and axles.

NAUT A4 Suspension and Steering

Upon completion of this course, the student should be able to:

- apply steering and suspension repair safety precautions.
- obtain and interpret powertrain data related to the steering and suspension system.

NAUT A5 Brakes

Upon completion of this course, the student should be able to:

- obtain and interpret powertrain data related to the brake system.
- apply brakes repair safety precautions.

NAUT CA3 Concepts of Manual Drive Train and Axles

Upon completion of this course, the student should be able to:

- obtain and interpret powertrain data related to manual gearboxes and axles.
- apply Manual Drive Train and axle repair safety precautions.

NAUT CA4 Concepts of Suspension and Steering

Upon completion of this course, the student should be able to:

- apply steering and suspension repair safety precautions.
- obtain and interpret powertrain data related to the steering and suspension system.

NAUT CA5 Concepts of Brakes

Upon completion of this course, the student should be able to:

- apply brakes repair safety precautions.
- obtain and interpret powertrain data related to the brake system.

NAUT CINTR Concepts of Automotive Service and Introduction

Upon completion of this course, the student should be able to:

- recognize and apply shop safety precautions.
- perform an oil change with 100% accuracy.

NAUT INTR Automotive Service and Introduction

Upon completion of this course, the student should be able to:

- recognize and apply shop safety precautions.
- perform an oil change with 100% accuracy.

NAUT LABA Automotive Lab

Upon completion of this course, the student should be able to:

- apply safety in all lab conditions.
- Work autonomously in a shop environment.

CSLOS

Noncredit Business

Division: BSSL (Business, Social Science, and Learning Resources)

CSLOs

NBUS 200 Communication in the Workplace

Upon completion of this course, the student should be able to:

- distinguish among the various barriers that interfere with communication and develop skills to address and overcome these barriers through the effective application of verbal and nonverbal communication.
- apply effective listening skills in a variety of situations to promote healthy, positive communication.
- develop an interview plan with optimal questions and scenarios for a successful interview.
- identify and describe non-verbal communication and how it can be interpreted.

NBUS 202 Attitude in the Workplace

Upon completion of this course, the student should be able to:

- examine the primary causes of a bad attitude and identify strategies to counteract them in order to develop a more positive outlook.
- identify methods of obtaining a positive attitude.

NBUS 203 Decision Making and Problem Solving

Upon completion of this course, the student should be able to:

- differentiate between decision making and problem solving.
- acquire the knowledge to recognize the importance of creativity, and identify various blocks to problem solving
- apply problem solving techniques in a role-play
- use primary and secondary sources in their decision-making process.

NBUS 205 Team Building

Upon completion of this course, the student should be able to:

- implement the best practices for building a team including, but not limited to, effective communication and problem solving.
- identify different personalities in the workplace.
- explain some of the common team problems and form solutions.
- identify different characteristics of an efficient team.

NBUS 206 Time Management

Upon completion of this course, the student should be able to:

- create goals that are specific, measurable, attainable, realistic, and timely (SMART) and evaluate the role goal setting plays in the workplace.
- use prioritization, elimination of time wasters, and effective scheduling practices through the development of a comprehensive time management strategy
- create a plan for approaching a team member regarding the delegation of a group project.

NBUS 207 Conflict Resolution

Upon completion of this course, the student should be able to:

- describe the meaning of conflict, recognize the causes of conflict, and design conflict resolution strategies.
- determine one's own conflict style and develop skills for resolving interpersonal conflict.
- identify different conflict styles and how they affect the workplace.
- define the six steps in resolving conflict with customers.

NBUS 210 Customer Service

Upon completion of this course, the student should be able to:

- practice and apply outstanding customer service skills, including clear communication and relationship building to improve customer satisfaction and retention.

CSLOS

- differentiate among internal and external customers to determine and meet their unique needs.
- examine and apply the key elements of outstanding customer service, including reliability, assurance, tangibles, empathy, and responsiveness.
- define customer service and identify their customers.

NBUS 211 Design Thinking for the Entrepreneur

Upon completion of this course, the student should be able to:

- develop rapid prototypes that allow for meaningful feedback in a real-world environment.
- translate broadly defined opportunities into actionable innovation possibilities.
- formulate Design Thinking activities in terms of market impact, value creation, and speed.

NBUS 215 Workforce Power Skills

Upon completion of this course, the student should be able to:

- when working with clients or customers, makes decisions based on client or customer needs and points of view, and ask how satisfied they are with the outcome.
- look at the bigger picture of the work situation when solving problems.
- share leadership by gathering ideas and using the skills of all team members.
- communicate clearly using verbal and nonverbal communication, as well attentive listening.

NBUS 216 Career Success Through Compassion

Upon completion of this course, the student should be able to:

- identify personal strengths and areas of improvement, along with goals and dreams.
- describe ways to block out negative influences, and focus on positive influences, to ensure career goals are attained.
- articulate methods to forgive and move on when a friend or coworker has caused harm or pain
- select trusted individuals to provide wise counsel and guidance to achieve career goals.
- work through obstacles, focusing on goals and milestones.
- use tools for emotional regulation so negative emotions don't negatively affect the workplace.

NBUS 233 Personal Financial Management and Planning

Upon completion of this course, the student should be able to:

- identify and categorize the financial statement elements associated with the balance sheet and income statement.
- compare the common types of consumer credits including credit cards and installment loans.
- develop a comprehensive personal financial plan.
- explain fundamental economic considerations that affect decision-making in personal finance.

Noncredit Computer Information Systems

Division: STEM (Science, Technology, Engineering & Math)

CSLOs

NCIS 211 Google Career Certificates

Upon completion of this course, the student should be able to:

- assess their skills and interests for IT careers.
- prepare for a job interview.
- identify major IT related Google Career Certificates.

CSLOS

Noncredit English

Division: A&H (Arts & Humanities)

CSLOs**NENG 215 Personalized Coaching for Academic Reading and Writing**

Upon completion of this course, the student should be able to:

- identify and use a multi-step process for reading and writing assignments.
- identify and use strategies to improve self-efficacy, including campus supports.

Noncredit ESL

Division: A&H (Arts & Humanities)

CSLOs**NESL 203 School Matters 1: Language Skills for Supporting Your Child's Learning**

Upon completion of this course, the student should be able to:

- produce meaningful written communication for a K-12 teacher with effective grammar, spelling and vocabulary.
- understand main ideas and details in written correspondence from a K-12 classroom.
- use speaking and listening skills to have meaningful conversations with a K-12 teacher.

NESL 204 School Matters 2: Language Skills for Your Child's School Community

Upon completion of this course, the student should be able to:

- use listening and speaking skills to communicate clearly with K-12 office administrators.
- understand main ideas and details in a variety of texts from a K-12 school.
- research and analyze school resources and school engagement opportunities.

NESL 213 Speaking and Listening Fluency for Academic and Professional Purposes

Upon completion of this course, the student should be able to:

- present a researched topic accurately, professionally and persuasively.
- understand main ideas and details in an oral presentation like an academic lecture or TED Talk.
- distinguish between fact, opinion, and inference in an oral presentation.

NESL 220A Intermediate Grammar for Reading and Writing

Upon completion of this course, the student should be able to:

- discuss aspects of English using standard grammar terminology, including the parts of speech, parts of a sentence (subject, verb, direct object, indirect object, gerund, infinitive, prepositional phrase, and noun phrase), modal, and simple, compound, and complex sentences.
- distinguish subjects, verbs, direct objects, prepositional phrases, gerund phrases, infinitive phrases, and infinitives of purpose in simple, compound and complex sentences with adverb clauses.
- produce the verb forms (base form, past form, past participle, and present participle) and verbs that are frequently followed by a gerund or an infinitive for the verbs on the 0-1000 word list and select verbs from the 1000-2000 word list.
- select and use the correct verb tense (simple present and past, present and past progressive, future and present perfect) for verbs on the list of the most common 0-1000 verbs and select verbs from the 1000-2000 word list, especially the irregular verbs.

CSLOS

NESL 220B High-Intermediate Grammar for Reading and Writing

Upon completion of this course, the student should be able to:

- use standard grammar terminology to analyze and discuss English in written discourse: parts of speech, parts of a sentence (subject, verb, direct object, indirect object, gerund, infinitive, prepositional phrase, and noun phrase), modal, and simple, compound, and complex sentences.
- distinguish subjects, verbs, direct objects, prepositional phrases, gerund phrases, infinitive phrases, and infinitives of purpose in simple, compound and complex sentences with adverb, adjective and noun clauses.
- produce verb forms (base, past, past participle, and present participle) and verbs that are frequently followed by a gerund or an infinitive from the verbs on the list of most common 0-2000.
- select and use the correct verb tense (simple, progressive, perfect, and perfect progressive: present, past, future) for verbs on the list of the most common 0-2000 words, especially the irregular verbs.

NESL 221A Intermediate Reading and Writing

Upon completion of this course, the student should be able to:

- demonstrate a low-intermediate ability to identify main ideas and supporting details in level-appropriate texts.
- produce an essay of three or more paragraphs that demonstrates level-appropriate and coherent writing through organization, development, and language use.

NESL 221B High-Intermediate Reading and Writing

Upon completion of this course, the student should be able to:

- demonstrate a high-intermediate ability to identify main ideas and supporting details in level appropriate texts.
- produce an essay of four or more paragraphs that demonstrates level appropriate and coherent writing through organization, development and language use.

NESL 223 Intermediate Oral Communication

Upon completion of this course, the student should be able to:

- comprehend a short lecture on an academic topic.
- research and make a five-minute presentation on a new topic.
- take dictation of sentences and questions.
- use academic vocabulary and expressions.

NESL 230A Beginning Grammar for Reading and Writing

Upon completion of this course, the student should be able to:

- name the parts of speech, the parts of a basic sentence (subject, verb, object), types of sentences: simple and compound, and common phrases (noun phrase, prepositional phrase).
- distinguish subjects, verbs, objects, and prepositional phrases in simple sentences.
- produce the verb forms (base form, past form, past participle, and present participle) for the verbs on the list of most common 0-500 words.
- select the correct verb tense (simple present, simple past, present progressive and future) for the verbs on the list of the most common 0-500 word list, especially the irregular verbs

NESL 230B High-Beginning Grammar for Reading and Writing

Upon completion of this course, the student should be able to:

- use standard grammar terms to identify the parts of speech, parts of a sentence (subject, verb, direct object, indirect object, gerund, infinitive, prepositional phrase, noun phrase) modal, and simple, compound, and complex sentences.
- distinguish subject, verb, objects, and phrases (noun, prepositional, gerund, and infinitive) in simple and compound sentences.
- produce the verb forms (base form, past form, past participle, and present participle) and verbs that are frequently followed by a gerund or an infinitive for the verbs on the list of most common 0-1000 words.
- select and use the correct verb tense (simple present, simple past, present progressive and future) for the verbs on the list of the most common 0-1000 words, especially the irregular verbs.

CSLOS

NESL 231A Beginning Reading and Writing

Upon completion of this course, the student should be able to:

- demonstrate a low-beginning ability to identify main ideas and supporting details in level appropriate texts.
- produce paragraphs of 8 -12 sentences that demonstrate level appropriate and coherent writing through organization, development and language use.

NESL 231B High-Beginning Reading and Writing

Upon completion of this course, the student should be able to:

- demonstrate a high-beginning ability to identify main ideas and supporting details in level appropriate texts.
- produce a paragraph of 12-15 sentences that demonstrate level appropriate and coherent writing through organization, development and language use.

NESL 233 Beginning Oral Communication

Upon completion of this course, the student should be able to:

- participate in discussions in one-to-one and small group situations on a variety of topics.
- use level-appropriate grammatical structures, vocabulary, and idiomatic expressions for a variety of communicative purposes.
- take dictation of sentences and questions.
- retell the plot and/or main ideas from news items, movies, lectures, or presentations.

NESL 260 Achievement in College ESL

Upon completion of this course, the student should be able to:

- identify which resources will help them succeed in ESL classes at LPC.

NESL 261 Achievement in College ESL 1

Upon completion of this course, the student should be able to:

- identify their learning styles and self-advocate.

NESL 262 Achievement in College ESL 2

Upon completion of this course, the student should be able to:

- identify the various degrees and certificates offered at LPC and create a student education plan.

NESL 263 Achievement in College ESL 3

Upon completion of this course, the student should be able to:

- articulate professional goals.

Noncredit Kinesiology

Division: PATH (Public Safety, Adv. Manufacturing, Transportation, Health & Kinesiology)

CSLOs

NKIN FCOA Fitness Center – Older Adults

Upon completion of this course, the student should be able to:

- demonstrate proper operation procedures for various cardio and fitness equipment.
- describe the components of physical fitness.
- design a safe and effective exercise program.

NKIN SWOA Swimming for Older Adults

Upon completion of this course, the student should be able to:

CSLOS

- illustrate a personalized training program based upon aquatic training principles.
- demonstrate improvement in a timed swim.

Noncredit Math

Division: STEM (Science, Technology, Engineering & Math)

CSLOs

NMAT 200C Concurrent Support for SLAM Mathematics

Upon completion of this course, the student should be able to:

- develop study skills and life skills that will improve the likelihood of succeeding in their academic goals, such as identifying individual growth mindset and learning about brain research, personal time management, study skills, test taking and conquering math anxiety strategies, etc.
- identify challenging mathematics topics and be able to communicate in writing the correct strategies and processes for solving relevant mathematics problems.
- read mathematical writing with understanding and use this skill as preparation to solve relevant mathematics problems.
- utilize online and other technological resources effectively to enhance their understanding of a mathematics topic.

NMAT 201C Concurrent Support for BSTEM Mathematics

Upon completion of this course, the student should be able to:

- develop study skills and life skills that will improve the likelihood of succeeding in their academic goals, such as identifying individual growth mindset and learning about brain research, personal time management, study skills, test taking and conquering math anxiety strategies, etc.
- identify challenging mathematics topics and be able to communicate in writing the correct strategies and processes for solving relevant mathematics problems.
- read mathematical writing with understanding and use this skill as preparation to solve relevant mathematics problems.
- utilize online and other technological resources effectively to enhance their understanding of a mathematics topic.

NMAT 202C Just in Time Tutoring for Mathematics

Upon completion of this course, the student should be able to:

- utilize online and other technological resources to enhance their understanding of a mathematics topic.

NMAT 255C Concurrent Support for Intermediate Algebra

Upon completion of this course, the student should be able to:

- organize and justify their mathematical thinking on Intermediate Algebra problems.
- use a problem-solving process to read mathematical problems with understanding, identify relevant information, define variables, execute relevant procedures and interpret results in the context of the problem.
- use effective strategies to read mathematical text for understanding.
- use learning strategies to identify and communicate in their own words the key concepts of Intermediate Algebra.
- develop study skills and life skills that will improve the student's likelihood of succeeding in their academic goals (such as time management, study skills, identifying his/her individual growth mindset, brain research on learning).

NMAT 264 Math Jam for SLAM Preparation

Upon completion of this course, the student should be able to:

- apply prerequisite mathematical topics at a higher level.
- develop study skills and life skills that will improve the student's likelihood of succeeding in his or her academic goals (examples of topics include brain research, identifying his/her individual growth mindset, personal time management, test taking and conquering math anxiety strategies, etc.).
- formulate short-term and long-term learning objectives based on their academic goal(s).

CSLOS

- identify skills needed to become a more productive, successful, and independent learner.

NMAT 265 Math Jam for BSTEM Preparation

Upon completion of this course, the student should be able to:

- apply prerequisite mathematical topics at a higher level.
- develop study skills and life skills that will improve the student's likelihood of succeeding in his or her academic goals (examples of topics include brain research, identifying his/her individual growth mindset, personal time management, test taking and conquering math anxiety strategies, etc.).
- formulate short-term and long-term learning objectives based on their academic goal(s).
- identify skills needed to become a more productive, successful, and independent learner.

Noncredit Music

Division: A&H (Arts & Humanities)

CSLOs

NMUS 215 Jazz Band for Older Adults

Upon completion of this course, the student should be able to:

- demonstrate an adherence to recognize standards of professionalism in a rehearsal setting.
- demonstrate the ability to play on pitch in a section and ensemble as directed by a conductor.
- perform stylistically appropriately to the period/style of the composition.

NMUS 216 Orchestra for Older Adults

Upon completion of this course, the student should be able to:

- demonstrate an adherence to recognized standards of professionalism in a rehearsal setting.
- demonstrate the ability to play on pitch in a section and ensemble as directed by a conductor.
- perform stylistically appropriately to the period/style of the composition.

NMUS 245 Chamber Choir Older Adults

Upon completion of this course, the student should be able to:

- demonstrate appropriate stage appearance and overall ability through multiple performances of music in a variety of cultural styles.
- demonstrate improvements in advanced rhythms, intonation, overall musicianship, and ability to carry one's part singing within an ensemble.
- demonstrate successful ensemble methods, adhering to director's instructions.

NMUS 246 Vocal Jazz for Older Adults

Upon completion of this course, the student should be able to:

- Demonstrate overall musicianship and ability to carry one's part singing within an ensemble.
- Demonstrate understanding of the performance sound system, including safe set-up, take-down, and operation.
- Demonstrate appropriate stage appearance and overall ability through multiple performances of music in a variety of cultural styles.
- Perform solo improvisation using appropriate syllables and articulations.

CSLOS

Noncredit Psych-Counseling

Division: Student Services Areas

CSLOs**NPCN 209 Career/Major Exploration**

Upon completion of this course, the student should be able to:

- articulate their goal or major.
- identify campus resources and navigate online platforms for career exploration.

Nutrition

Division: PATH (Public Safety, Adv. Manufacturing, Transportation, Health & Kinesiology)

CSLOs**NTRN 1 Introduction to Nutrition Science**

Upon completion of this course, the student should be able to:

- analyze and critically assess the reliability and credibility of nutrition information and dietary advice, services and products.
- analyze assigned nutrient intake compared to standard recommendations and make suggestions for improvement/maintenance of intake.
- identify the key dietary risk factors influencing the development of chronic diseases in the United States.
- utilize the information presented on a nutrition facts label to assess the quality of a food item and to make informed choices regarding food products.

NTRN 5 Sports Nutrition

Upon completion of this course, the student should be able to:

- communicate nutrition information using credible resources.
- analyze and evaluate dietary intake relative to government guidelines and recommendations for athletes.
- describe the basic principles of nutrition as they relate to sports performance.

Occupational Safety and Health

Division: STEM (Science, Technology, Engineering & Math)

CSLOs**OSH 60 Elements of Industrial Hygiene**

Upon completion of this course, the student should be able to:

- discuss OSHA regulations related to the control of occupational health hazards.
- identify occupational health hazards in the workplace and describe appropriate methods used to safeguard workers.
- recommend controls for industrial hygiene hazards that meet or exceed regulatory requirements.

CSLOS

Philosophy

Division: A&H (Arts & Humanities)

CSLOs

PHIL 1 God, Nature, Human Nature

Upon completion of this course, the student should be able to:

- effectively participate and express opinions in a group and whole-class setting in a way that is respectful and well thought-through.
- use philosophical methods to explain, apply and evaluate philosophical positions of their own and of significant historical figures.

PHIL 2 Ethics

Upon completion of this course, the student should be able to:

- apply diverse abstract ethical theories to evaluate contemporary moral challenges.
- effectively participate and express opinions in a group and whole-class setting in a way that is respectful and well thought-through.

PHIL 4 Intro to Philosophy: Knowledge

Upon completion of this course, the student should be able to:

- effectively participate and express opinions in a group and whole-class setting in a way that is respectful and well thought-through.
- use philosophical methods to explain, apply, and evaluate specific epistemic theories.

PHIL 6 Introduction to Logic

Upon completion of this course, the student should be able to:

- apply the basic principles of causal and probabilistic reasoning.
- identify, describe and evaluate the informal logical fallacies.
- use natural deduction to evaluate the validity of arguments in propositional logic.

Photography

Division: A&H (Arts & Humanities)

CSLOs

PHTO 50 Introduction to Photography

Upon completion of this course, the student should be able to:

- Demonstrate the three basic elements of photography awareness (framing, lighting, background) while shooting a single subject (i.e. person, bike, tree) from a variety of angles, formats (vertical, horizontal) and approaches (long, medium, close shot).

PHTO 58 Introduction to Videography

Upon completion of this course, the student should be able to:

- Successfully use an industry-standard digital video editing program to produce completed video projects combining video, sound, and titles.

PHTO 67 History of Photography

Upon completion of this course, the student should be able to:

- Identify photographs by the technical process used for their creation.

CSLOS

PHTO 69 Intermediate Videography

Upon completion of this course, the student should be able to:

- Successfully utilize field-recording equipment, such as off-camera microphones and audio mixers to improve sound quality of footage.

PHTO 70 Photoshop and Lightroom

Upon completion of this course, the student should be able to:

- use Photoshop Lightroom to import and manage a growing library of photos using keywords, star system, flags, collections, smart collections, and facial recognition in a photo database
- use Lightroom's Camera Raw editing capabilities to modify and edit Photos
- output a collection of photos to the web, photo printer, or 3rd party photo printing service
- use photographic tools within Photoshop for advanced editing

PHTO 72 Introduction to Photojournalism

Upon completion of this course, the student should be able to:

- demonstrate typology as a method of photographic documentation.

Physics

Division: STEM (Science, Technology, Engineering & Math)

CSLOs

PHYS 1A General Physics I

Upon completion of this course, the student should be able to:

- analyze physical situations quantitatively using Newtonian mechanics and conservation laws.
- design and conduct laboratory experiments, and analyze and interpret their data.
- effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.

PHYS 1B General Physics II

Upon completion of this course, the student should be able to:

- analyze physical situations quantitatively using principles of hydrodynamics, thermodynamics, harmonic motion, wave motion, and optics.
- design and conduct laboratory experiments, and analyze and interpret their data.
- effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.

PHYS 1C General Physics III

Upon completion of this course, the student should be able to:

- analyze physical situations quantitatively using principles of electricity and magnetism.
- design and conduct laboratory experiments, and analyze and interpret their data.
- effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.

PHYS 2A Introduction to Physics I

Upon completion of this course, the student should be able to:

- analyze physical situations quantitatively using Newtonian mechanics, conservation laws, thermodynamics, hydrodynamics, and principles of harmonic and wave motion.
- design and conduct laboratory experiments, and analyze and interpret their data.
- effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.

PHYS 10 Descriptive Physics

Upon completion of this course, the student should be able to:

CSLOS

- describe the ways in which scientific principles have shaped the modern world and relate to daily life.
- explain fundamental physical principles in mechanics, electricity and magnetism, thermodynamics, optics, relativity, and modern physics.
- use quantitative reasoning to determine relationships between physical quantities.

PHYS 10L Descriptive Physics Laboratory

Upon completion of this course, the student should be able to:

- compare experimental results to accepted values and evaluate the accuracy of their experiment.
- effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.
- quantitatively analyze their laboratory data.

Political Science

Division: BSSL (Business, Social Science, and Learning Resources)

CSLOs

POLS C1000 American Government & Politics (*Formerly POLI 7*)

Upon completion of this course, the student should be able to:

- analyze and critically assess various types of sources in the field of U.S. and California government and politics.
- demonstrate understanding and application of theories and concepts in U.S. and California politics.
- explain the civil liberties and civil rights of individuals as articulated in the U.S. Constitution and federal court decisions.
- explain the founding and development of the U.S. Constitution.
- identify and evaluate institutions, political processes, and political sciences concepts as they apply to the United States and California.
- research, synthesize, and argue a political thesis.

POLI 12 Introduction to California State and Local Government

Upon completion of this course, the student should be able to:

- demonstrate understanding of California state and local government, and intergovernmental relationships.
- identify, evaluate, and critically assess the various structures and processes of California government, such as its diverse populous, geography, ideologies, and how these interact and affect public policy formation.
- show understanding of the complexity of California's governing structure(s), including how we legislate, vote, live, and decide on our collective future.

POLI 30 International Relations

Upon completion of this course, the student should be able to:

- assess and analyze contemporary issues in international relations.
- demonstrate understanding and application of relevant international relations theories and apply them to contemporary political phenomena.

Psychology

Division: BSSL (Business, Social Science, and Learning Resources)

CSLOs

PSYC C1000 Introduction to Psychology (Formerly PSYC 1)

CSLOS

Upon completion of this course, the student should be able to:

- explain the major concepts, theoretical perspectives, research methods, core empirical findings, and historic trends in psychology.
- discuss the impact of diversity on psychological research, theory, and application.
- apply theories, concepts, and findings in psychology for self-understanding, self-improvement, and lifelong learning.
- demonstrate critical thinking skills and information competence as applied to psychological topics, including discussion of ethical principles in research.

PSYC 3 Introduction to Social Psychology

Upon completion of this course, the student should be able to:

- explain the major concepts, theoretical perspectives, research methods, and empirical findings in social psychology.
- explain ways in which the influence of others, situational factors, and the surrounding culture affect human social behavior.
- analyze the ways in which social psychological principles and research apply to real world problems and issues.
- Upon completion of PSYC 3, the student will be able to apply theories, concepts and findings in social psychology for self-understanding, self-improvement, and lifelong learning.
- demonstrate critical thinking skills and information competence as applied to topics in social psychology.

PSYC 4 Brain, Mind, and Behavior

Upon completion of this course, the student should be able to:

- discuss how bio-psychological knowledge and principles can be used to address and better understand a wide range of behavioral and physiological problems.
- exemplify with concrete examples various brain-behavior relationships including ingestive behavior, sexual behavior, sleep, learning, memory, stress, drug dependence, and psychiatric disorders such as affective disorders and schizophrenia.
- explain scientific approaches and methodologies used for the study of brain-behavior relationships.
- explain the general anatomy and physiology of the nervous system and its relationship to behavior.

PSYC 6 Abnormal Psychology

Upon completion of this course, the student should be able to:

- compare and contrast the various theoretical perspectives on etiology and implications for treatment of various psychological disorders.
- define and use basic biological and psychological terminology to describe psychopathology and atypical behavior and mental processes.
- explain specific research methods and the ethical principles for the study and treatment of psychopathology.
- summarize the major disorder classifications and give concrete examples using appropriate diagnostic terminology (i.e., DSM).

PSYC 10 Psychology of Human Sexuality

Upon completion of this course, the student should be able to:

- compare the variations in sexuality found across social classes, ethnic groups, and other species.
- integrate the interaction of the biological bases of human sexuality with the psychological and historical influences in our society.
- trace the development of human sexuality from childhood to old age.
- understand and apply the different psychological theories to the study of human sexual behavior.

PSYC 12 Life-Span Psychology

Upon completion of this course, the student should be able to:

- analyze the ways in which psychological principles and research apply to real world problems and issues across the lifespan.
- demonstrate critical thinking skills and information competence as applied to topics in human development.
- demonstrate familiarity with the major concepts, theoretical perspectives, research methods, and empirical findings in human development.

CSLOS

- discuss biological, psychological, and sociocultural influences on lifespan development and the sources of developmental change.

PSYC 13 Psychology of Women

Upon completion of this course, the student should be able to:

- analyze the ways in which the course material could be applied to real world problems and issues.
- apply theories, concepts and findings in the field of psychology of women for self-understanding, self-improvement, and lifelong learning.
- demonstrate critical thinking skills and information competence as applied to topics in the field of psychology of women.
- demonstrate familiarity with the major concepts, theoretical perspectives, research methods, and empirical findings in the field of the psychology of women.
- explain ways in which gender stereotypes, sexism, and various cultural influences affect gender-related human behavior.

PSYC 17 The Psychology of Sleep and Dreams

Upon completion of this course, the student should be able to:

- analyze the methods used in the scientific study of sleep and dreams behavior.
- to contrast the causes and treatments for the major sleep disorders.
- discuss the major theories and concepts of sleep and dreams.

PSYC 21 Psychology of Race and Identity

Upon completion of this course, the student should be able to:

- appraise one's own ethnic/cultural origins and one's biases towards certain groups.
- compare and contrast research biases in the study of individuals from diverse populations.
- compare and contrast the effects of prejudice, stereotyping, and discriminatory attitudes and behaviors upon majority and minority groups.
- describe skills that enhance cross-cultural communication, interactions, and relationships.
- describe stressors related to acculturation into a new society.
- explain how culture affects the conceptualization of mental health, symptomology and help seeking behaviors.

PSYC 25 Research Methods

Upon completion of this course, the student should be able to:

- analyze the structure of scientific inquiry, including the history and philosophy of scientific investigation.
- apply psychological content for personal, professional and lifelong learning goals.
- conduct scientific research in psychology that includes reviewing scientific literature, analyzing data using descriptive and inferential statistics, interpreting results, and communicating the research in APA style.
- discuss the advantages and limitations of different research methods used in psychological research, and the importance of reliability and validity in determining research quality.
- discuss the importance of ethical principles in psychological research involving human and nonhuman animals and the historical events that led to these principles.

Psychology Counseling

Division: Student Services

CSLOs

PCN 5 Introduction to Social Work and Human Services

Upon completion of this course, the student should be able to:

- analyze various case studies to determine the proper role of a social worker and the various factors influencing the situation.

CSLOS

- identify the legal, ethical, and professional practice responsibilities of working within social work and human service organizations.
- investigate social worker duties in dealing with a wide variety of difficult social issues such as discrimination, oppression, maltreatment, poverty and injustice.

PCN 10 Career and Educational Planning

Upon completion of this course, the student should be able to:

- define their top personal values that they want exemplified in their career choices and in life.
- demonstrate understanding of their personality strengths and synthesize this information towards their career decision making.
- set a short-term career or educational goal with specific steps to reach it.

PCN 13 Multicultural Issues in Contemporary America

Upon completion of this course, the student should be able to:

- to demonstrate an understanding of the historical and contemporary experiences of Americans who are in the minority (e.g., ethnic minorities, LGBT, disabled, etc.) and who have experienced marginalization.
- explain and analyze the difference between stereotyping, prejudice, discrimination, and institutional racism.
- demonstrate an understanding of the identity development theories and apply the course concepts to case studies.

PCN 18 University Transfer Planning

Upon completion of this course, the student should be able to:

- demonstrate the ability to articulate an individualized educational pathway toward achieving his/her transfer goal(s).
- demonstrate the ability to develop a Transfer Action Plan for an individual transfer goal.
- demonstrate the ability to identify a top barrier for transfer, and locate a campus resource to help overcome that barrier.

PCN 30 Student Success and the College Experience

Upon completion of this course, the student should be able to:

- evaluate their personal level of self-awareness, responsibility, and motivation to integrate alternate strategies that support their college success.
- implement and develop long-range educational goals by identifying appropriate courses.
- locate and access resources and services on campus that promote and improve their learning.

Religious Studies

Division: A&H (Arts & Humanities)

CSLOs

RELS 1 Religions of the World

Upon completion of this course, the student should be able to:

- compare and contrast the teaching of major religious figures.
- to identify the core beliefs of each major world religion.

CSLOS

Sociology

Division: BSSL (Business, Social Science, and Learning Resources)

CSLOs**SOC 1 Principles of Sociology**

Upon completion of this course, the student should be able to:

- outline major sociological theories.
- apply major sociological theories to world events.
- outline the symbiotic relationship between culture and social structure.
- explain how identities such as race, gender, sexuality, and class are socially constructed.
- produce a document that connects sociological research methods to sociological theory.

SOC 3 Introduction to Race and Ethnicity

Upon completion of this course, the student should be able to:

- outline relevant sociological theories to accurately explain how race and ethnicity are socially constructed.
- analyze current or historical racial and ethnic group relations using sociological theory.
- conduct a research assignment using a multi-model sociological approach.
- produce an academic document that connects sociological research methods to sociological theory.

SOC 4 Marriage and Family Relations

Upon completion of this course, the student should be able to:

- outline multiple family theories.
- apply family theory to changing family structures.
- produce a document that connects sociological research methods to family theory.

SOC 5 Introduction to Global Studies

Upon completion of this course, the student should be able to:

- analyze a current event using a variety of international news sources.
- apply world systems theory to explain global phenomena.
- identify concrete examples of the various ways that culture is globalized.
- produce an academic document which connects sociological research methods to globalization theory.

SOC 6 Social Problems

Upon completion of this course, the student should be able to:

- outline multiple sociological theories.
- apply sociological theory to current social problems.
- produce an academic document which connects sociological research methods to sociological theory.

SOC 7 Sociology of Sexuality

Upon completion of this course, the student should be able to:

- outline major sociological theories of sexuality
- apply major sociological theories of sexuality to current sexual practices
- produce a document which connects sociological research methods to sexuality theory

SOC 12 Popular Culture

Upon completion of this course, the student should be able to:

- identify various theories of popular culture.
- outline the various processes of globalizing popular culture.
- outline the growing role of popular culture in the various stages of socialization.
- apply content analysis methodology to various popular culture mediums.
- identify the impact of popular culture consumption on our political processes.
- produce an academic document that connects sociological research to theories of popular culture.

CSLOS

Spanish

Division: A&H (Arts & Humanities)

CSLOs

SPAN 1A Beginning Spanish

Upon completion of this course, the student should be able to:

- comprehend spoken Spanish at the beginning level.
- orally communicate at the beginning level.
- write at the beginning level.

SPAN 1B Elementary Spanish

Upon completion of this course, the student should be able to:

- comprehend spoken Spanish at the advanced beginning level.
- orally communicate at the advanced beginning level.
- write at the advanced beginning level.

Statistics

Division: STEM (Science, Technology, Engineering & Math)

CSLOs

STAT C1000 Introduction to Statistics

Upon completion of this course, the student should be able to:

- build a frequency distribution for, and make a histogram of, quantitative data.
- determine whether or not there is significant correlation for a bivariate data set, and if so, fit a linear regression equation and use it for data prediction.
- perform the steps for a hypothesis test about a single population parameter and interpret the result.
- solve an application problem using the central limit theorem.
- use a computer program to make a graph of categorical data.

Theater Arts

Division: A&H (Arts & Humanities)

CSLOs

THEA 1 Conservatory Readiness

Upon completion of this course, the student should be able to:

- perform a monologue for audition or live audience presentation.
- learn a short series of dance patterns and common steps for performance
- perform with confidence 16 measures of music from a selected musical theater piece.
- present a professional resume.

CSLOS

THEA 1A Theory/Practice of Acting I

Upon completion of this course, the student should be able to:

- participate with creativity and confidence in group theater exercises and improvisations.
- perform a scripted scene with a partner before a live audience.
- perform a short monologue at an audition.
- speak and write constructive criticism of acting in live performance.
- write a character and play analysis based on the play from which an acting scene has been assigned.

THEA 1B Theory/Practice of Acting II

Upon completion of this course, the student should be able to:

- demonstrate the techniques learned in the classroom through the completion of written scoring and scene breakdowns.
- perform an extended scene with a partner before a live audience.
- perform with specificity the characterization required of a character from a genre other than realism.
- speak and write constructive criticism of acting by other students.
- demonstrate the various rehearsal techniques necessary to perform classical theater (pre-1850).

THEA 3A Beginning Improvisation

Upon completion of this course, the student should be able to:

- apply the rules of improvisation to in-class performances.
- define vocabulary terms used in Improvisation.
- demonstrate creative and supportive ensemble participation.

THEA 3B Intermediate Improvisation

Upon completion of this course, the student should be able to:

- critique a live improvisation and identify the use of accepted rules of engagement.
- demonstrate the ability to act appropriately and spontaneously to a variety of audio, visual, or written materials without prior rehearsal.
- synthesize the ideas of others within an improvisation.

THEA 3C Improvisation in Performance

Upon completion of this course, the student should be able to:

- determine audience appropriate language within an improvisational performance.
- evaluate in writing effective performance techniques of observed improvisation performances.
- perform effective vocal and physical performance techniques within an improvisational performance.

THEA 10 Introduction to Dramatic Arts

Upon completion of this course, the student should be able to:

- analyze and evaluate the nature of theatre and its role in society.
- appreciate viewing theatre as an art form. Articulate a personal response to a live theater performance using proper theater terminology and concepts.
- critically analyze dramatic literature
- serve as a member of a creative design process, simulating the complexities of creating live performance

THEA 11 Stage to Screen

Upon completion of this course, the student should be able to:

- analyze motion pictures utilizing proper film vocabulary.
- compare and contrast stage scripts and film adaptations.
- discuss the purposes of dramatic art (film and theatrical).
- identify important movements and developments in theater and film history.

THEA 39B Musical Theater Workshop - Intermediate

Upon completion of this course, the student should be able to:

- create a professional portfolio for auditioning with sheet music, resume and headshot/photo.
- demonstrate a responsible work ethic within a professional framework of collaboration in rehearsal and performance.

CSLOS

- examine major genres and contributors of the American Musical Theater.
- synthesize intermediate acting, movement and singing skills to create a truthful song performance.

THEA 39C Musical Theater - Advanced

Upon completion of this course, the student should be able to:

- create a professional portfolio for auditioning with sheet music, resume and headshot/photo.
- demonstrate a responsible work ethic within a professional framework of collaboration in rehearsal and performance.
- examine major genres and contributors of the American Musical Theater.
- synthesize advanced acting, movement and singing skills to create a truthful song performance.

THEA 48A Tech Theater in Production - Beginning

Upon completion of this course, the student should be able to:

- recognize and use backstage and shop terminology, tools, materials and techniques.
- serve as a member of the running crew of a play or musical.
- work collaboratively with designers, technicians, and other theatre personnel.

THEA 48B Tech Theater in Production - Intermediate

Upon completion of this course, the student should be able to:

- operate and program, at a fundamental level, standard lighting, sound, or projection technology typically employed in a theatrical setting.
- serve in an entry-level leadership position or as a key member of a crew of a theatrical performance.
- work and problem solve in one or more areas of technical theatre.
- work collaboratively with designers, technicians, and other theatre personnel.

THEA 48C Tech Theater in Production - Advanced

Upon completion of this course, the student should be able to:

- identify and produce all of the material typically required in one of the design areas, lighting, projection, sound, costume, or scenic.
- work as a designer or assistant designer at a beginning or intermediate level.
- work collaboratively with designers, technicians, and other theatre personnel.

THEA 48D Tech Theater Prod- Capstone

Upon completion of this course, the student should be able to:

- work collaboratively with designers, technicians, and other theatre personnel.
- work in a managerial or supervisory role in a technical production area of a theatre company or a production.

THEA 50 Stagecraft

Upon completion of this course, the student should be able to:

- analyze technical theatre production problems; evaluate alternatives and recommend solutions.
- recognize and use at a fundamental level terminology, tools, materials, and processes and techniques, typically found in a theatrical environment.
- recognize theatrical crew organization, and perform basic tasks typically associated with lighting, sound, scenic, or costume crews.
- work collaboratively with designers, technicians, and other theatre personnel.

THEA 50L Introduction to Stage Lighting

Upon completion of this course, the student should be able to:

- evaluate the effective use of lighting in a production.
- analyze a script and design a light plot for an assigned production.
- Upon completion of THEA 50L, the student should be able to hang and focus a light plot for an assigned production or repertory plot.
- produce all technical and creative paperwork for a lighting plot for an assigned production or repertory plot.
- recognize and use lighting control and lighting terminology, tools, materials and techniques.

CSLOS

THEA 57A Performance in Production – Introduction to Musical Theater

Upon completion of this course, the student should be able to:

- create and dramatize the behavioral life of a character during rehearsal and musical theater performance.
- evaluate and analyze a libretto and vocal score for rehearsal and musical performance.
- use characterization, singing technique and/or dance.

THEA 57B Performance in Production – Beginning Musical Theater

Upon completion of this course, the student should be able to:

- complete a thorough and written character analysis, completed with imagined and specified historical background of the character.
- use at least two rehearsal techniques for creating character and making acting choices.

THEA 57C Performance in Production – Intermediate Musical Theater

Upon completion of this course, the student should be able to:

- to analyze the musical libretto to serve as support for fellow cast members.
- demonstrate characterization choices through physical movement such as body language and choreography.
- develop a personalized, systematic approach for memorization.
- research, practice, and prepare a series of personal physical and vocal warm-ups.

THEA 57D Performance in Production – Advanced Musical Theater

Upon completion of this course, the student should be able to:

- create a leading role character and perform this role in a live theater event.
- create and develop a vocal expression of a character.
- express a professional work ethic through collaboration, respect, and a positive attitude.
- integrate performance notes from the director, choreographer, and musical director at an accelerated pace.
- memorize libretto at an accelerated deadline.

Tutoring

Division: BSSL (Business, Social Science, and Learning Resources)

CSLOs

TUTR 17A Tutoring Theory and Practice I

Upon completion of this course, the student should be able to:

- describe essential components of the beginning, middle, and end of a tutoring session.
- evaluate their implementation of key components of a tutoring session.

TUTR 17B Tutoring Theory and Practice II

Upon completion of this course, the student should be able to:

- explicitly teach metacognitive learning strategies.
- perform a self-evaluation of their use of tutoring techniques during a tutoring session.
- use active listening strategies to become aware of students' learning processes.

TUTR 17C Tutoring Theory and Practice III

Upon completion of this course, the student should be able to:

- explain how learning theories impact their approach to tutoring.
- perform a self-evaluation of their use of tutoring techniques during a tutoring session.
- use scaffolding and Socratic Method to teach hidden curriculum topics.

CSLOS

Viticulture and Winery Technology

Division: STEM (Science, Technology, Engineering & Math)

CSLOs

VWT 10 Introduction to Viticulture

Upon completion of this course, the student should be able to:

- describe the seasonal appearance and physiological functions of a grapevine from "pruned" dormancy to harvest.
- identify the external, structural components of a modern trellis system trained grape vine.

VWT 20 Introduction to Enology

Upon completion of this course, the student should be able to:

- explain the impact that oak aging can have on the organoleptic components of red and white wines.
- explain the process of alcoholic fermentation.

VWT 25 Sensory Analysis of Wines

Upon completion of this course, the student should be able to:

- accurately describe a wine's qualities both objectively and subjectively and understand when each of these assessments are appropriate to apply.
- describe the organoleptic properties of both sound and flawed wines.

VWT 41 Fall Winery Options

Upon completion of this course, the student should be able to:

- demonstrate a working knowledge for "racking" wine.
- demonstrate a working knowledge of the fermentation process.

Welding Technology

Division: PATH (Public Safety, Adv. Manufacturing, Transportation, Health & Kinesiology)

CSLOs

WLDT 55 Print Reading for Industry

Upon completion of this course, the student should be able to:

- demonstrate GD&T symbol identification and usage.
- identify the three primary views in an orthographic drawing.
- read and interpret a detail part drawing.

WLDT 61 Welding Ferrous Metals

Upon completion of this course, the student should be able to:

- demonstrate knowledge of the American Welding Society ferrous electrode numbering system.
- demonstrate knowledge of Shielded Metal Arc Welding, Gas Metal Arc Welding, Flux Cored Arc Welding and Gas Tungsten Arc Welding used for joining ferrous metals.

WLDT 61AL SMAW Skills Laboratory

Upon completion of this course, the student should be able to:

- demonstrate safety awareness in the welding workplace.
- demonstrate skills required to pass AWS D1.1 - 1G limited thickness A36 steel test plate using SMAW.
- demonstrate skills required to pass an AWS D1.1 - 1G limited thickness A36 steel test plate using FCAW.

CSLOS

WLDT 61BL FCAW Skills Laboratory

Upon completion of this course, the student should be able to:

- demonstrate safety awareness in the welding workplace.
- demonstrate skills required to pass AWS D1.1 - 3G limited thickness A36 steel test plate using FCAW.
- demonstrate skills required to pass AWS D1.1 - 3G limited thickness A36 steel test plate using SMAW.

WLDT 62AL GTAW Skills Laboratory

Upon completion of this course, the student should be able to:

- demonstrate safety awareness in the welding workplace.
- demonstrate skills required to pass AWS D1.1 - 1G limited thickness A36 steel test plate using GMAW.
- demonstrate skills required to pass AWS D1.1 - 1G limited thickness A36 steel test plate using GTAW.

WLDT 62BL GMAW Skills Laboratory

Upon completion of this course, the student should be able to:

- demonstrate safety awareness in the welding workplace.
- demonstrate skills required to pass AWS D1.1 - 3G limited thickness A36 steel test plate using GMAW.
- demonstrate skills required to pass AWS D1.1 - 3G limited thickness A36 steel test plate using GTAW.

WLDT 67A Elementary Welding Skills Laboratory

Upon completion of this course, the student should be able to:

- demonstrate safety awareness in the welding workplace.
- demonstrates self-directed goals achievement.

WLDT 67B Basic Welding Skills Laboratory

Upon completion of this course, the student should be able to:

- demonstrate safety awareness in the welding workplace.
- demonstrates achievement of self-directed goals.

WLDT 67C Intermediate Welding Skills

Upon completion of this course, the student should be able to:

- demonstrate safety awareness in the welding workplace.
- demonstrate self-directed goals achievement.

WLDT 67D Advanced Welding Skills

Upon completion of this course, the student should be able to:

- demonstrate safety awareness in the welding workplace.
- demonstrate self-directed goals achievement.

WLDT 68 Certification Preparation

Upon completion of this course, the student should be able to:

- demonstrate safety awareness in the welding workplace.
- demonstrates self-directed goals achievement.

WLDT 69AL Beginning Pipe Welding Lab

Upon completion of this course, the student should be able to:

- demonstrate safety awareness in the welding workplace.
- demonstrate skills required to pass AWS D1.1 - 2G - 6" Schedule 40 carbon steel pipe welding test with ER70S GTAW root and ER7018 SMAW cover.
- layout longitudinal and circumferential lines on a piece of pipe.

WLDT 69BL Advanced Pipe Welding Lab

Upon completion of this course, the student should be able to:

- demonstrate safety awareness in the welding workplace.

CSLOS

- demonstrate skills required to pass AWS D1.1 - 5G - 6" Schedule 40 carbon steel pipe welding test with ER70S GTAW root and ER7018 SMAW cover.
- layout a mitered offset on a piece of pipe.

WLDT 70 Introduction to Welding

Upon completion of this course, the student should be able to:

- demonstrate safe use of SMAW equipment.
- demonstrate safety awareness in the welding workplace.
- identify welding electrodes used for common industrial welding processes/applications.

WLDT 71 Welding for the Arts

Upon completion of this course, the student should be able to:

- demonstrate safety awareness in the welding workplace.
- demonstrate the ability to form a piece of metal to the desired shape based on a template.
- identify common metals used for creating metal sculpture.

WLDT 73 Welding Workplace Safety

Upon completion of this course, the student should be able to:

- demonstrate safety awareness in the welding workplace.
- identify and describe the Focus Four Hazards.
- earn an OSHA 10 Safety Certification.

WLDT 75 Measurements and Calculations

Upon completion of this course, the student should be able to:

- use various precision and semi-precision measuring tools
- demonstrate basic scientific calculator operations
- describe different number types
- apply Fractions, Decimals, Percents and Exponents in manufacturing applications
- measure angles and perform angular calculations
- identify different coordinate systems
- employ formulas to solve triangle problems
- employ formulas to solve circle problems
- identify geometric shapes and perform calculations involving area and volume
- describe uses for Algebraic equations in manufacturing applications
- construct graphs and apply their use in manufacturing applications
- demonstrate use of Literal equations in manufacturing applications

WLDT 79 Manufacturing Process

Upon completion of this course, the student should be able to:

- produce a manufacturing traveler for a manufactured item or component.
- provide an oral description of the processes used to make a manufactured item.

Women's Studies

Division: BSSL (Business, Social Science, and Learning Resources)

CSLOs

WMST 1 Introduction to Women's Studies

Upon completion of this course, the student should be able to:

- identify the multiple types of feminism that currently exist in the United States.

CSLOS

- illustrate connections between global, national, and local issues in relationship to women's experiences and human rights.
- recognize the ways in which social institutions and power structures impact women's lives.

Work Experience

Division: BSSL (Business, Social Science, and Learning Resources)

CSLOs

WRKX 94 Occupational Work Experience/Internship

Upon completion of this course, the student should be able to:

- achieve workplace learning objectives established by the student, supervisor, and instructor.
- describe professional work skills in the workplace.
- write a professional résumé including work experience completed during the course.

WRKX 95 General Work Experience

Upon completion of this course, the student should be able to:

- achieve workplace learning objectives established by the student, supervisor, and instructor.
- describe professional work skills in the workplace.
- write a self-analysis essay about development of work skills and achievement of learning objectives.