

# CSLOS

Las Positas College

Date: 01/31/2025

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## Administration of Justice

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

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### CSLOs

#### AJ 1 Basic Academy Modular Level One

- No updated CSLOs

#### AJ 29 Independent Study, Administration of Justice

- No updated CSLOs

#### AJ 45 Policing America

- No updated CSLOs

#### AJ 48 Police Supervisory Leadership

- No updated CSLOs

#### AJ 50 Introduction to Administration of Justice

- Upon completion of AJ 50, the student will be able to critically analyze and discuss issues of crime and justice.
- Upon completion of AJ 50, the student will be able to define causal theories, criminal types and societal factors used to explain the nature of crime.
- Upon completion of AJ 50, the student will be able to describe the evolution of the American criminal justice system, including the history, development, structure, and function of police, courts, and corrections.
- Upon successful completion of AJ 50, the student will be able to articulate the scope of the crime problem in present-day America and discuss the methods, theories, and concepts associated with measuring crime.

#### AJ 54 Investigative Reporting

- Upon completion of AJ 54, the student will be able to complete a report using field and interview notes.
- Upon completion of AJ 54, the student will be able to explain the process of interviewing victims and witnesses to gather complete, accurate information.
- Upon completion of AJ 54, the student will be able to identify the correct crime codes and elements of the more common offenses/incidents investigated by the police.

#### AJ 55 Introduction to Correctional Science

- Upon completion of AJ 55, the student will be able to describe the unique problems related to incarcerating female, juvenile, and special need offenders, and death row inmates.
- Upon completion of AJ 55, the student will be able to explain the differences between a prison and a jail and the role of each in the American criminal justice system.
- Upon completion of AJ 55, the student will explain how correctional agencies fulfill the mission of protecting society.

#### AJ 56 Fundamentals of Crime and Delinquency

- No updated CSLOs

#### AJ 59 Child Abuse in the Community

# CSLOS

- Upon completion of AJ 59, the student will be able to identify and describe crimes that may be committed against children.
- Upon completion of AJ 59, the student will be able to explain the types and frequency of child abuse.
- Upon completion of AJ 59, the student will be able to explain who is a mandated child abuse reporter under the California Child Abuse and Neglect Reporting Act (CANRA).
- Upon completion of AJ 59, the student will be able to describe investigative considerations and specialized investigative resources available to child abuse investigators.

## AJ 60 Criminal Law

- Upon completion of AJ 60, the student will be able to identify the elements of some common offenses as codified in the California Penal Code.
- Upon completion of AJ 60, the student will be able to identify the origins and foundational concepts of civil and criminal law and explain how laws are developed and modified.
- Upon completion of AJ 60, the student will describe the differences between specific, general, and transferred intent crimes.

## AJ 61 Evidence

- Upon completion of AJ 61, the student will be able to describe the proper methods of handling evidence to ensure evidence admissibility will not be annulled through the use of improper collection techniques or storage procedures.
- Upon completion of AJ 61, the student will be able to identify the rules of evidence pursuant to the California Evidence Code and how they impact the gathering, cataloging and storage of evidence by the police.
- Upon completion of AJ 61, the student will explain the differences between Federal Rules of Evidence and the California Evidence Code, and explain the basic rules of search and seizure, the Exclusionary Rule and the "Fruits of the Poisonous Tree" doctrine.

## AJ 63 Criminal Investigation

- Upon completion of AJ 63, the student will be able to conduct a preliminary criminal investigation.
- Upon completion of AJ 63, the student will be able to conduct a preliminary interview/interrogation.
- Upon completion of AJ 63, the student will be able to explain the role of forensic examination in the criminal investigative process.
- Upon completion of AJ 63, the student will be able to perform a basic crime scene search and identify applicable investigative resources.

## AJ 64 Patrol Procedures

- Upon completion of AJ 64, the student will be able to describe common operational structures, policies and field procedures found in American police agencies.
- Upon completion of AJ 64, the student will be able to describe the impacts of police demeanor and tactics on community perceptions of police legitimacy.
- Upon completion of AJ 64, the student will be able to discuss techniques for applying human relations strategies to the tasks and procedures of police patrol operations.
- Upon completion of AJ 64, the student will be able to identify the different methods of police patrol, their strengths, limitations and the purpose of each method of patrol.

## AJ 66 Juvenile Procedures

- Upon completion of AJ 66, the student will be able to explain the causes and effects of juvenile delinquency and crime.
- Upon completion of AJ 66, the student will be able to explain the historical evolution of the juvenile justice system and its processes.
- Upon completion of AJ 66, the student will be able to identify and discuss the differences between juvenile law and adult law.
- Upon completion of AJ 66, the student will be able to identify status offenses.

## AJ 68 Police Ethics and Leadership

# CSLOS

- Upon completion of AJ 68, the student will be able to describe effective responses when witnessing unethical behavior.
- Upon completion of AJ 68, the student will be able to discuss the importance of ethical conduct by law enforcement personnel and its impact on public perception of police authority and legitimacy.
- Upon completion of AJ 68, the student will be able to have a working understanding of and explain the purpose and benefits of good leadership and the importance of sound ethical decision making in a law enforcement agency and by the individual officer.
- Upon completion of AJ 68, the student will be able to identify ethical and unethical behavior by police personnel, both on-duty and off-duty.

## AJ 70 Community Relations

- Upon completion of AJ 70, the student will 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.
- Upon completion of AJ 70, the student will be able to describe the structure of various cultures in a community, including special populations and subcultures and how to effectively communicate with each group.
- Upon completion of AJ 70, the student will be able to identify the structure of the police organization and its impact on officer behavior, community relations and community members.

## AJ 74 Gangs and Drugs

- Upon completion of AJ 74, the student will be able to discuss the central issues and strategies in the law related to gang prevention and enforcement.
- Upon completion of AJ 74, the student will be able to explain the legal definition of a gang and the relationship of gangs to the import, sale and distribution of drugs in America.
- Upon completion of AJ 74, the student will be able to identify the major components of gangs, including recruitment, organization, symbols and rituals.

## AJ 78 Introduction to Probation and Parole

- No updated CSLOs

## AJ 79 Homicide Investigation

- Upon completion of AJ 79, the student will be able to compare and contrast homicide investigative procedures with other types of criminal investigations.
- Upon completion of AJ 79, the student will be able to recognize the evidence associated with determining whether a homicide, suicide, accidental death, or death from natural causes has occurred.
- Upon completion of AJ 79, the student will be able to understand the legal definitions of homicide and murder, and recognize the difference between legal and illegal homicide.

## AJ 85 Introduction to Forensics

- At the conclusion of AJ 85, the student should be able to identify and explain the role of forensic specialists in the criminal justice system.
- At the conclusion of AJ 85, the student should be able to differentiate between crime scene process versus crime scene analysis.
- At the conclusion of AJ 85, the student should be able to explain the procedures for the collection and preservation of DNA evidence to prevent contamination.

## AJ 87A PC 832 Arrest

- No updated CSLOs

## AJ 87B PC 832 Firearms

- No updated CSLOs

## AJ 89 Family Violence

- No updated CSLOs

# CSLOS

## AJ 9954 Defensive Tactics Instructor

- Upon completion of AJ 9954, the student will be able to evaluate new and existing weaponless techniques for actual use and understand and utilize current and future statutory and case law concerning the use of said techniques.

## AJ 9965 Internal Affairs

- Upon completion of AJ 9965, the student will be able to understand California state law and the Peace Officer Bill of Rights in regards to the investigation of sworn officers and non-sworn employees of state law enforcement agencies.

## AJ 9969 Firearms Instructor

- Upon completion of AJ 9969, the student will be able to demonstrate the requirements to become a California POST certified firearms instructor.

## AJ 9979 Basic Police Cyclist

- Upon completion of AJ 9979, the student will be able to explain and demonstrate the safe handling of a bicycle modified for police patrol.

## AJ 9980 Rifle Marksmanship and Sniper/Observer

- Upon completion of AJ 9980, the student will be able to show proficiency in the application of rules of engagement in critical incidents and demonstrate tactical skills in sniping and field craft.

## AJ 9982 Patrol Rifle Instructor

- No updated CSLOs

## AJ 9987 Basic S.W.A.T.

- Upon completion of AJ 9987, the student will be able to perform as a SWAT team member with a law enforcement agency.

## AJ 9997 Law Enforcement Academy

- Upon completion of AJ 9997, the student will be able to academically prepared for a California Peace Officer Standards and Training Commission basic training academy.
- Upon completion of AJ 9997, the student will be able to assume the duties of a basically trained California peace officer and be eligible for duty as a probationary peace officer.

## AJ 9998 POST Basic Supervisory

- Upon completion of AJ 9998, the student will be able to demonstrate the application of leadership theories in given law enforcement situations.

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## American Sign Language

Division: A&H (Arts & Humanities)

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### CSLO

#### ASL 1A American Sign Language I

- Upon completion of ASL 1A, the student should be able to demonstrate proficiency in comprehension of American Sign Language for daily living contexts.
- Upon completion of ASL 1A, the student should be able to demonstrate receptive and expressive ASL grammatical functions and knowledge for daily living.

# CSLOS

- Upon completion of ASL 1A, the student should be able to properly respond in American Sign Language to simple questions about their selves and surroundings.

## ASL 1B American Sign Language II

- Upon completion of ASL 1B, the student should be able to demonstrate increased receptive/expressive ASL grammatical functions and knowledge for daily living.

## ASL 2A American Sign Language III

- Upon completion of ASL 2A, the student should be able to ability to initiate, conduct, and terminate a context-specific conversation.

## ASL 2B American Sign Language IV

- Upon completion of this course, the student should be able to demonstrate comprehension and production of ASL discourse.

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## Anthropology

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

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### CSLOs

#### ANTR 1 Biological Anthropology

- Upon completion of ANTR 1, students will be able to deconstruct the biological concept of "race."
- Upon completion of ANTR 1, students will be able to describe and identify fossil hominid species.
- Upon completion of ANTR 1, students will be able to explain how natural selection works.

#### ANTR 1L Biological Anthropology Lab

- Upon completion of ANTR 1L, students will be able to apply the scientific method to research in anthropology.
- Upon completion of ANTR 1L, students will be able to deconstruct the biological concept of race.
- Upon completion of ANTR 1L, students will be able to identify fossil hominid species.

#### ANTR 2 Introduction to Archaeology

- Upon completion of ANTR 2, students will be able to apply the methods, tools, and technical skills of archaeological research.
- Upon completion of ANTR 2, students will be able to describe the legal/ethical framework for archaeology.
- Upon completion of ANTR 2, students will be able to use theory to interpret archaeological data.

#### ANTR 2L Archaeology Field Laboratory

- Upon completion of ANTR 2L, students will be able to collect, measure, photograph, and curate common archaeological materials and artifacts.
- Upon completion of ANTR 2L, students will be able to demonstrate the sequence and procedures for archaeological field survey and excavation.
- Upon completion of ANTR 2L, students will be able to use theory to interpret archaeological data.

#### ANTR 3 Cultural Anthropology

- Upon completion of ANTR 3, students will be able to analyze cultural practices from a variety of anthropological and theoretical perspectives.

#### ANTR 4 Language and Culture

- Upon completion of ANTR 4, students will be able to explain how the relationship between language and culture has social consequences.

# CSLOS

- Upon completion of ANTR 4, students will be able to explain the anthropological approach to language and communication.
- Upon completion of ANTR 4, students will be able to identify the structural properties of language.

## ANTR 5 Cultures of the U.S. in a Global Perspective

- Upon completion of ANTR 5, students will be able to analyze the pattern of U.S. government responses to successive immigrant groups through its changing immigration policies.
- Upon completion of ANTR 5, students will be able to deconstruct the biological concept of race.

## ANTR 6 Anthropology of Sex and Gender

- Upon completion of ANTR 6, students will be able to analyze cross-cultural notions of gender and gender roles from a variety of anthropological and theoretical perspectives.
- Upon completion of ANTR 6, students will be able to deconstruct the biological concept of "sex."
- Upon completion of ANTR 6, students will be able to describe and demonstrate how the relationship between sex, gender and culture has social consequences.

## ANTR 7 Native American Cultures of North America

- Upon completion of ANTR 7, students will be able to define the current social, economic, education and political issues and goals of contemporary tribes.
- Upon completion of ANTR 7, students will be able to explain the psychological and anthropological concepts behind prejudice, discrimination, and racism.
- Upon completion of ANTR 7, students will develop research skills with special emphasis on interdisciplinary studies.

## ANTR 8 World Prehistory in an Archaeological Perspective

- Upon completion of ANTR 8, students will be able to describe the factual knowledge (terminology, classifications, and methods) that form the basis of archaeology.
- Upon completion of ANTR 8, students will be able to explain fundamental principles and theories regarding the cultural processes that have shaped past human societies.
- Upon completion of ANTR 8, students will be able to analyze cultural diversity in the human past as it relates to systems of oppression, racism, and self-determination.

## ANTR 12 Magic/Religion/Witchcraft/Healing

- Upon completion of ANTR 12, students will be able to describe the role and responsibility of religious specialists.
- Upon completion of ANTR 12, students will be able to identify the components of various religious rituals.
- Upon completion of ANTR 12, students will be able to interpret symbolic cultural practices through various anthropological and theoretical perspectives.

## ANTR 13 Introduction to Forensic Anthropology

- Upon completion of ANTR 13, students will be able to describe the legal and ethical framework of forensic anthropology.
- Upon completion of ANTR 13, students will be able to analyze human bones for identification of sex, ancestry, age, trauma and stature.

## ANTR 29A Independent Study, Cultural Anthropology

- No updated CSLOs

## ANTR 29B Independent Study, Biological Anthropology

- No updated CSLOs

## ANTR 29C Independent Study, Archaeology/Prehistory

- No updated CSLOs

# CSLOS

## ANTR 29D Independent Study, Linguistic Anthropology

- No updated CSLOs

## Apprenticeship Ironworkers

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

### CSLOs

- No CSLOs

## Art

Division: A&H (Arts & Humanities)

### CSLO

#### ARTS 2A Introduction to Drawing

- Upon completion of ARTS 2A, the student should be able to demonstrate ability to recognize and recreate, on a picture plane, observed values and proportions.
- Upon completion of ARTS 2A, the student should be able to compose drawings with the elements and principles of visual art and design.
- Upon completion of ARTS 2A, the student should be able to implement materials common to the drawing process.

#### ARTS 2B Drawing and Composition

- Upon completion of ARTS 2B, the student should be able to compose drawings with a calculated use of values.
- Upon completion of ARTS 2B, the student should be able to create drawings based on simple volumes to create the illusion of space.
- Upon completion of ARTS 2B, the student should be able to create drawings using mixed media.

#### ARTS 3A Figure and Composition I

- Upon completion of ARTS 3A, the student should be able to comprehend artistic anatomy of the human figure.
- Upon completion of ARTS 3A, the student should be able to create a series of investigative drawings with different expressive strategies for the figure.
- Upon completion of ARTS 3A, the student should be able to demonstrate the ability to analyze the human form, and represent that form on a 2-D surface.

#### ARTS 3B Figure and Composition II

- Upon completion of ARTS 3B, the student should be able to comprehend and create an informed body of work using artistic anatomy of the human figure.
- Toggle the visibility of the item detail panel
- Upon completion of ARTS 3B, the student should be able to create a series of intermediate level investigative drawings with different expressive strategies for the figure.
- Upon completion of ARTS 3B, the student should be able to demonstrate an intermediate ability to analyze the human form, and represent that form on a 2-D surface.

#### ARTS 3C Figure and Composition III

# CSLOS

- Upon completion of ARTS 3C, the student should be able to comprehend and create a well-informed body of work using artistic anatomy of the human figure.
- Upon completion of ARTS 3C, the student should be able to create a series of advanced level investigative drawings with different expressive strategies for the figure.
- Toggle the visibility of the item detail panel
- Upon completion of ARTS 3C, the student should be able to demonstrate an advanced ability to analyze the human form, and represent that form on a 2- D surface.

## ARTS 3D Figure and Composition IV

- Upon completion of ARTS 3D, the student should be able to comprehend and create a well-informed body of work using artistic anatomy of the human figure.
- Toggle the visibility of the item detail panel
- Upon completion of ARTS 3D, the student should be able to create a series of advanced level investigative drawings with different expressive strategies for the figure.
- Toggle the visibility of the item detail panel
- Upon completion of ARTS 3D, the student should be able to demonstrate an advanced ability to analyze the human form, and represent that form with a high degree of skill on a 2-D surface.

## ARTS 4A Introduction to Ceramics

- Upon completion of this course, the student should be able to demonstrate competency in hand and wheel forming techniques.
- Upon completion of this course, the student should be able to develop expertise in clay selection for different types of expression and surface embellishment.
- Upon completion of this course, the student should be able to demonstrate competency in advanced technical skills associated with firing techniques.

## ARTS 4B Intermediate Ceramics

- No updated CSLOs

## ARTS 7A Introduction to Watercolor Painting

- Upon completion of ARTS 7A, the student should be able to demonstrate a knowledge and awareness of color theory and a variety of application techniques.
- Upon completion of ARTS 7A, the student should be able to demonstrate an aesthetic awareness of value and its uses in creating light and space on a 2 dimensional plane.
- Upon completion of ARTS 7A, the student should be able to demonstrate proficiency in the basic techniques of watercolor painting: flat wash, glazing, wet-in-wet.
- Upon completion of ARTS 7A, the student should be able to demonstrate the use of materials and equipment of the craft of painting in watercolor.
- Upon completion of ARTS 7A, the student should be able to produce watercolor paintings using basic techniques.

## ARTS 7B Watercolor Painting

- Upon completion of ARTS 7B, the student should be able to complete a body of paintings that demonstrates an understanding of specific subject based material.
- Upon completion of ARTS 7B, the student should be able to demonstrate a knowledge of composition.
- Upon completion of ARTS 7B, the student should be able to demonstrate a mastery of watercolor application and techniques.
- Upon completion of ARTS 7B, the student should be able to produce watercolor paintings demonstrating intermediate color theory applications.
- Upon completion of ARTS 7B, the student should be able to produce watercolor paintings demonstrating intermediate value applications.

## ARTS 7C Advanced Watercolor Painting I

- Upon completion of ARTS 7C, the student should be able to demonstrate advanced painting skills utilizing interdisciplinary/hybrid approaches to painting utilizing watercolors alone or modified with mixed media.



# CSLOS

- Upon completion of ARTS 7C, the student should be able to demonstrate aesthetic independence, critical thinking, creative initiative, and formal knowledge via an independent research project.
- Upon completion of ARTS 7C, the student should be able to identify advanced technical problems, analyze and objectively assess advanced watercolor paintings in a verbal critique.
- Upon completion of ARTS 7C, the student should be able to produce watercolor paintings demonstrating advanced color theory applications utilizing watercolors alone or modified with mixed media.
- Upon completion of ARTS 7C, the student should be able to produce watercolor paintings demonstrating advanced composition applications.

## ARTS 7D Advanced Watercolor Painting II

- Upon completion of ARTS 7D, the student should be able to demonstrate advanced painting skills utilizing interdisciplinary/hybrid approaches to painting utilizing watercolors alone or modified with mixed media.
- Upon completion of ARTS 7D, the student should be able to demonstrate aesthetic independence, critical thinking, creative initiative, and formal knowledge via an independent research project.
- Upon completion of ARTS 7D, the student should be able to identify and create advanced watercolor paintings utilizing advanced painting skills.
- Upon completion of ARTS 7D, the student should be able to produce watercolor paintings demonstrating advanced color theory applications utilizing watercolors alone or modified with mixed media.
- Upon completion of ARTS 7D, the student should be able to produce watercolor paintings demonstrating advanced composition applications.

## ARTS 12A Oil/Acrylic Painting: Beginning I

- Upon completion of ARTS 12A, the student should be able to administer appropriate terminology for critiquing and analyzing paintings.
- Upon completion of ARTS 12A, the student should be able to apply content to paintings and explain its meaning.
- Upon completion of ARTS 12A, the student should be able to compose paintings with the elements and principles of visual art and design.
- Upon completion of ARTS 12A, the student should be able to develop painting skills.
- Upon completion of ARTS 12A, the student should be able to paint with a variety of techniques.

## ARTS 12B Oil/Acrylic Beginning II

- Upon completion of ARTS 12B, the student should be able to administer appropriate terminology for critiquing and analyzing paintings.
- Upon completion of ARTS 12B, the student should be able to apply Content to paintings and explain its meaning.
- Upon completion of ARTS 12B, the student should be able to compose paintings with the elements and principles of visual art and design.
- Upon completion of ARTS 12B, the student should be able to develop upon established painting skills.
- Upon completion of ARTS 12B, the student should be able to paint with a variety of techniques and refine those techniques.

## ARTS 12C Oil/Acrylic Advanced I

- Upon completion of ARTS 12C, the student should be able to administer appropriate terminology for critiquing and analyzing paintings.
- Upon completion of ARTS 12C, the student should be able to apply content to paintings and explain its meaning.
- Upon completion of ARTS 12C, the student should be able to compose paintings with the elements and principles of visual art and design.
- Upon completion of ARTS 12C, the student should be able to develop further upon established painting skills.
- Upon completion of ARTS 12C, the student should be able to focus on previously refined techniques to develop skill.

## ARTS 12D Oil/Acrylic Advanced II

- Upon completion of ARTS 12D, the student should be able to administer appropriate terminology for critiquing and analyzing paintings.
- Upon completion of ARTS 12D, the student should be able to apply researched content to paintings and explain its meaning.

# CSLOS

- Upon completion of ARTS 12D, the student should be able to compose paintings with the elements and principles of visual art and design.
- Upon completion of ARTS 12D, the student should be able to focus on previously refined techniques to develop skill.

## ARTS 23 2-D Design

- Upon completion of ARTS 23, the student should be able to create a portfolio of all projects that demonstrates a working knowledge of 2D design.
- Upon completion of ARTS 23, the student should be able to 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 ARTS 24, the student should be able to demonstrate and apply an understanding of 3D composition.
- Upon completion of ARTS 24, the student should be able to demonstrate and apply excellent craftsmanship.

## ARTS 26 Color Theory

- Upon completion of ARTS 12B, the student should be able to paint with a variety of techniques and refine those techniques.
- Upon the completion of ARTS 26, the student should be able to manipulate the emotional effect of a composition through the calculated use of color.
- Upon the completion of ARTS 26, the student should be able to produce compelling compositions using color relationships (triads, complements, analogous, etc.).

## ARTS 29 Independent Study, Studio Arts

- No updated CSLOs

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## Art History

Division: A&H (Arts & Humanities)

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### CSLO

#### ARHS 1 Introduction to Art History

- Upon completion of ARHS 1, the student should be able to demonstrate critical and creative thinking by applying interdisciplinary approaches to the interpretation of artwork.
- Upon completion of ARHS 1, the student should be able to identify formal elements in an artwork and be able to ascertain how these elements create meaning in the chosen art work.
- Upon completion of ARHS 1, the student should be able to identify themes of art within a chosen art work across a broad range of cultures and time periods.

#### ARHS 2 Art of the Ancient Americas

- Upon completion of ARHS 2, the student should be able to analyze artwork of the Ancient Americas using art historical methodology.
- Upon completion of ARHS 2, the student should be able to identify and evaluate art historical styles, movements, and concepts in the art of the Ancient Americas.
- Upon completion of ARHS 2, the student should be able to recognize the relationship between art and its geographic, cultural, and historical context.

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

- No updated SLOs

# CSLOS

## ARHS 4 Western Art History – Ancient to Medieval

- Upon completion of ARHS 4, 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.
- Upon completion of ARHS 4, the student should be able to articulate connections between artistic movements and historical events in the Western world from pre-history through the Gothic period.
- Upon completion of ARHS 4, the student should be able to identify ancient Western art movements, artists, and technical processes.

## ARHS 5 Western Art History – Renaissance to Contemporary

- Upon completion of ARHS 5, 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.
- Upon completion of ARHS 5, the student should be able to analyze works of art and how they relate to their associated world geography.
- Upon completion of ARHS 5, the student should be able to identify Western art movements, artists, and technical processes from the Renaissance through the 20th century.

## ARHS 6 Museum Gallery Techniques

- Upon completion of ARHS 6, the student should be able to create written exhibition proposals.
- Upon completion of ARHS 6, the student should be able to evaluate ethical debates within the museum and gallery field.
- Upon completion of ARHS 6, the student should be able to identify the history of the contemporary art world.
- Upon completion of ARHS 6, the student should be able to install an art exhibition.

## ARHS 7 Modern Art History

- No SLOs defined.

## ARHS 8 Asian Art History

- No SLOs defined

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## Astronomy

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

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### CSLOs

#### ASTR 10 Intro to Astr The Solar System

- Upon completion of ASTR 10, students should be able to describe the ways in which scientific principles have shaped the modern world and relate to daily life.
- Upon completion of ASTR 10, students should be able to explain physical principles relevant to the solar system and its formation, as well as those relevant to the search for extrasolar planets.
- Upon completion of ASTR 10, students should be able to use quantitative reasoning to determine relationships between physical quantities in astronomy.

#### ASTR 20 Intro to Astr Stars & Universe

- Upon completion of ASTR 20, students should be able to describe the ways in which scientific principles have shaped the modern world and relate to daily life.
- Upon completion of ASTR 20, students should be able to use quantitative reasoning to determine relationships between physical quantities in astronomy.
- Upon completion of ASTR 20, students should be able to explain physical principles relevant to light, telescopes, stars, galaxies, and cosmology.

# CSLOS

## ASTR 29 Independent Study, Astronomy

- No updated CSLOs

## ASTR 30L Introduction to Astronomy Laboratory

- Upon completion of ASTR 30L, students should be able to effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.
- Upon completion of ASTR 30L, students should be able to perform naked eye and telescopic observations of objects in the night sky.
- Upon completion of ASTR 30L, students should be able to 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 ASTR 31, students should be able to describe the ways in which scientific principles have shaped the modern world and relate to daily life.
- Upon completion of ASTR 31, students should be able to explain physical principles relevant to the solar system and its formation, as well as those relevant to the search for extrasolar planets.
- Upon completion of ASTR 31, students should be able to use quantitative reasoning to determine relationships between physical quantities in astronomy.

## ASTR 32 Introduction to Astronomy: Stars and the Universe

- Upon completion of ASTR 32, students should be able to describe the ways in which scientific principles have shaped the modern world and relate to daily life.
- Upon completion of ASTR 32, students should be able to explain physical principles relevant to light, telescopes, stars, galaxies, and cosmology.
- Upon completion of ASTR 32, students should be able to use quantitative reasoning to determine relationships between physical quantities in astronomy.

# CSLOS

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## Automotive Technology

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

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### CSLOs

#### AUTO A1 Engine Repair

- Upon completion of AUTO A1, the student should be able to apply engine repair safety precautions.
- Upon completion of AUTO A1, the student should be able to apply safety precautions in shop lab exercises.
- Upon completion of AUTO A1, the student should be able to obtain and interpret powertrain data related to the engine.

#### AUTO A2 Automatic Transmission/Transaxle

- Upon completion of AUTO A2, the student should be able to, obtain and interpret powertrain data related to the transmission.
- Upon completion of AUTO A2, the student should be able to apply transmission/Transaxle repair safety precautions

#### AUTO A3 Manual Drive Train and Axles

- Upon completion of AUTO A3, the student should be able to, obtain and interpret powertrain data related to manual gearboxes and axles.
- Upon completion of AUTO A3, the student should be able to apply Manual Drive Train and axle repair safety precautions.

#### AUTO A4 Suspension and Steering

- Upon completion of AUTO A4, the student should be able to apply steering and suspension repair safety precautions.
- Upon completion of AUTO A4, the student should be able to obtain and interpret powertrain data related to the steering and suspension system.

#### AUTO A5 Brakes

- Upon completion of AUTO A5, the student should be able to apply brakes repair safety precautions.
- Upon completion of AUTO A5, the student should be able to obtain and interpret powertrain data related to the brake system.

#### AUTO A6 Electrical/Electronic Systems

- Upon completion of AUTO A6, the student should be able to apply electrical precautions.
- Upon completion of AUTO A6, the student should be able to obtain and interpret data related to the electrical system

#### AUTO A7 Automotive Heating and Air Conditioning

- Upon completion of AUTO A7, the student should be able to apply HVAC safety precautions.
- Upon completion of AUTO A7, the student should be able to read and interpret HVAC gauges.

#### AUTO A8 Engine Performance

- Upon completion of AUTO A8, the student should be able to apply emission safety precautions.
- Upon completion of AUTO A8, the student should be able to read and interpret scanner data.

#### AUTO A9 Light Vehicle Diesel Engines

- Upon completion of AUTO A9, the student should be able to diagnose and repair diesel engine mechanical systems.
- Upon completion of AUTO A9, the student should be able to diagnose and repair diesel turbo systems.
- Upon completion of AUTO A9, the student should be able to diagnose and repair electronic diesel system.

# CSLOS

## AUTO C1 Automobile Service Consultant

- Upon completion of this course, the student should be able to perform a visual Inspection of a vehicle
- Upon completion of this course, the student should be able write a repair order to completion following the "Write it Right" book.

## AUTOINTL Automotive Service and Introduction Hands-On Lab

- No SLOs defined.

## AUTOINTR Automotive Service and Introduction

- Upon completion of AUTO INTR, the student should be able to perform and oil change with 100% accuracy.
- Upon completion of AUTO INTR, the student should be able to, recognize and apply shop safety precautions.

## AUTOINTZ Automotive Service and Introduction Lecture

- No SLOs defined.

## AUTOL1 Advanced Engine Performance

- Upon completion of AUTO L1, the student should be able to apply emissions safety precautions.
- Upon completion of AUTO L1, the student should be able to diagnose engine driveability problems using a scanner and multimeter.

## AUTOL1L2 Smog Level One and Level Two

- Upon completion of AUTO L1L2, the student should be able to perform an OIS test.
- Upon completion of AUTO L1L2, the student should be able to, obtain and interpret powertrain data.

## AUTOL3 Light Duty Hybrid/Electric Vehicles

- Upon completion of AUTO L3, the student should be able to perform hybrid safety precautions with 100% accuracy.
- Upon completion of AUTO L3, the student should be able to perform the hybrid battery disconnect procedure.

## AUTO LABA Automotive Lab

- Upon completion of AUTO LABA, the student should be able to apply safety in all lab conditions.
- Upon completion of AUTO LABA, the student should be able to work autonomously in a shop environment.

## AUTO LABB Automotive Lab Advanced

- Upon completion of AUTO LABB, the student should be able to apply all safety precautions.
- Upon completion of AUTO LABB, the student should be able to complete hands on lab sessions with no instructor supervision necessary.

## AUTO LABC Automotive Lab Specialized Bench Work

- No SLOs defined

## AUTO LABD Automotive Lab Specialized Electronic Work

- No SLOs defined

## AUTO P1 Powertrains: Modifications for Performance

- No updated CSLOs

## AUTOSDR Specified Diagnostic and Repair

- Upon completion of AUTO SDR, the student should be able to apply safety precautions in shop lab exercises.
- Upon completion of AUTO SDR, the student should be able to, obtain and interpret scan tool data.

# CSLOS

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## Biological Sciences

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

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### CSLOs

#### BIO 1A General Botany

- Upon completion of BIO 1A, students 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.
- Upon completion of BIO 1A, students should be able to explain and apply principles and processes of botany and ecology at different organizational levels, from the biochemical to the ecological.
- Upon completion of BIO 1A, students should be able to 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.
- Upon completion of BIO 1A, students will 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 BIO 1B, a student will 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.
- Upon completion of BIO 1B, a student should be able to conduct a research project and communicate experimental results using standard scientific methods.
- Upon completion of BIO 1B, a student should be able to explain and apply principles and processes of zoology and evolution at different organizational levels, from tissues to the ecological.
- Upon completion of BIO 1B, a student should be able to 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 BIO 1C, a 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.
- Upon completion of BIO 1C, a student should be able to 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.
- Upon completion of BIO 1C, students should be able to explain and apply basic principles and processes of cellular and molecular biology at different levels, from the biochemical to the cellular.
- Upon completion of BIO 1C, the student will 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 BIO 2A, 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 BIO 7A, students will be able to identify the structures of the body systems using models, slides, cadavers, and/or visual media.
- Upon completion of BIO 7A, students will be able to relate structure to the function of anatomical structures and understand how a change in structure would alter function.

# CSLOS

- Upon completion of BIO 7A, students will be able to analyze clinical cases and/or human pathologies and communicate findings utilizing academic language.

## BIO 7B Human Physiology

- Upon completion of BIO 7B, students will be able to apply the principles of homeostasis and the use of feedback loops to control physiological systems in the human body.
- Upon completion of BIO 7B, students will be able to evaluate physiological functions of select organ systems by interpreting graphs of physiological data and be able to solve allied-based math problems.
- Upon completion of BIO 7B, students will be able to 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 BIO 7C, students will be able to acquire, articulate, and apply specialized language and knowledge relevant to microbiology.
- Upon completion of BIO 7C, students will 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.
- Upon completion of BIO 7C, students will explain and demonstrate the theoretical and practical aspects of using a compound microscope to study microorganisms using the oil immersion objective lens.
- Upon completion of BIO 7C, students will 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 BIO 10, students 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.
- Upon completion of BIO 10, students should be able to explain and apply basic principles of ecology, cellular, evolutionary, and organismal biology.
- Upon completion of BIO 10, students should be able to properly manipulate a compound microscope and demonstrate knowledge of its parts and uses.
- Upon completion of BIO 10, the student will 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 BIO 20, students should be able to describe and relate the physical structure of the cells, tissues types and organ systems to their function.
- Upon completion of BIO 20, students will be able to 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 29B Independent Study, Biology

- No updated CSLOs

## BIO 29T Independent Study, Botany

- No updated CSLOs

## BIO 29Z Independent Study, Zoology

- No updated CSLOs

## BIO 30 Introduction to College Biology

- Upon completion of BIO 30, students 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.



# CSLOS

- Upon completion of BIO 30, students should be able to demonstrate writing proficiency on a written assignment which incorporates scientific data and/or basic principles of biology.
- Upon completion of BIO 30, students should be able to explain basic principles of biochemistry, ecology, and cellular, evolutionary, and organismal biology.
- Upon completion of BIO 30, students should be able to properly manipulate a compound microscope and demonstrate knowledge of its parts and uses.
- Upon completion of BIO 30, students should 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 BIO 40, students should be able to analyze and critically evaluate environmental information from various sources, and present their findings.
- Upon completion of BIO 40, students should be able to discuss environmental problems, their causes and evaluate solutions.
- Upon completion of BIO 40, students should be able to 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 BIO 50, students will be able to list the organ systems, identify the structures of each organ system and explain their general functions.
- Upon completion of BIO 50, students will be able to 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 BIO 55, students will be able to discuss contemporary physiological, psychological, ethical, social, and public health issues.
- Upon completion of BIO 55, students will be able to 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 BIO 60, students 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.
- Upon completion of BIO 60, students should be able to differentiate various marine ecosystems, compare and contrast representative marine organisms, and understand their interdependence.
- Upon completion of BIO 60, students will be able to properly manipulate a compound microscope and dissecting microscope to study marine microorganisms and internal structures of marine organisms.
- Upon completion of BIO 60, students will 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 70 Field Biology

- No updated CSLOs

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## Business

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

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## CSLOs

BUSN 1A Financial Accounting

# CSLOS

- Upon completion of BUSN 1A, the student will be able to calculate and analyze current ratio, debt ratio, and gross profit ratio.
- Upon completion of BUSN 1A, the student will be able to identify and name different components of a balance sheet and income statement.

## BUSN 1B Managerial Accounting

- Upon completion of BUSN 1B, the student will be able to analyze and calculate the impact of changes in business income using cost volume profit analysis and construct contribution margin statements.
- Upon completion of BUSN 1B, the student will be able to identify and categorize different cost classifications for fixed, variable, and mixed costs.
- Upon completion of BUSN 1B, the student will be able to prepare operating and financial budgets and analyze variances.

## BUSN 18 Business Law

- Upon completion of BUSN 18, the student will be able to compare and contrast alternative legal theories as they apply to a case.
- Upon completion of BUSN 18, the student will be able to critique legal decisions made by the courts.
- Upon completion of BUSN 18, the student will be able to evaluate the dynamics behind multinational enterprises.
- Upon completion of BUSN 18, the student will be able to formulate legal conclusions based on sound legal reasoning.

## BUSN 20 International Business

- Upon completion of BUSN 20, the student will be able to compare and contrast the financial implications of international trade.
- Upon completion of BUSN 20, the student will be able to describe procedures and documentation necessary to import a product from a foreign country.

## BUSN 30 Business Ethics and Society

- Upon completion of BUSN 30, the student will be able to examine potential conflicts of interest within an organization which raise ethical considerations.
- Upon completion of BUSN 30, the student will be able to recognize the process for resolving an ethical dilemma.
- Upon completion of BUSN 30, the student will be able to 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 BUSN 33, the student will be able to compare the common types of consumer credits including credit cards and installment loans.
- Upon completion of BUSN 33, the student will be able to develop a comprehensive personal financial plan.
- Upon completion of BUSN 33, the student will be able to explain fundamental economic considerations that affect decision-making in personal finance.
- Upon completion of BUSN 33, the student will be able to identify and categorize the financial statement elements associated with the balance sheet and income statement.

## BUSN 40 Introduction to Business

- Upon completion of BUSN 40, the student will be able to communicate the impact of compliance-based and integrity-based ethics codes on the role of business in a market economy.
- Upon completion of BUSN 40, the student will be able to compare the three primary business formations used by privately held American businesses.
- Upon completion of BUSN 40, the student will be able to contrast management and leadership strategies in the function areas of management, marketing, finance, human resources and production.

## BUSN 45 Entrepreneurship

- Upon completion of BUSN 45, the student should be able to assess their readiness/ability/aptitude for entrepreneurship.

# CSLOS

- Upon completion of BUSN 45, the student should be able to assess their readiness/ability/aptitude for entrepreneurship.
- Upon completion of BUSN 45, the student should be able to describe the attributes required for being an entrepreneur.
- Upon completion of BUSN 45, the student should be able to explain why creativity and innovation are an integral part of entrepreneurship.

## **BUSN 48 Human Relations in Organizations**

- Upon completion of BUSN 48, the student will be able to analyze the primary leadership styles.
- Upon completion of BUSN 48, the student will be able to compare and contrast the concepts of work, worth and leisure in the United States.
- Upon completion of BUSN 48, the student will be able to describe the characteristics of change.
- Upon completion of BUSN 48, the student will be able to evaluate organizational strategies of motivation.

## **BUSN 51 Accounting for Small Businesses**

- Upon completion of BUSN 51, the student will be able to accurately record business transactions using journal entries.
- Upon completion of BUSN 51, the student will be able to prepare a basic Income Statement and Balance Sheet for a merchandising company.

## **BUSN 52 Business Communications**

- Upon completion of BUSN 52, the student should be able to evaluate the quality of business communication.
- Upon completion of BUSN 52, the student should be able to plan for a job interview.
- Upon completion of BUSN 52, the student should be able to solve a variety of communication problems.

## **BUSN 55 Business Mathematics**

- Upon completion of BUSN 55, the student will be able to identify and interpret trends over a period using percentage increase or decrease.
- Upon completion of BUSN 55, the student will be able to use percentages to calculate period over period increase or decrease in a given set of data.

## **BUSN 56 Introduction to Management**

- Upon successful completion of BUSN 56, the student will be able to communicate the roles managers play in organizations.
- Upon successful completion of BUSN 56, the student will be able to compare and contrast the primary managerial functions.
- Upon successful completion of BUSN 56, the student will be able to model the primary state laws that govern managerial decisions.

## **BUSN 58 Small Business Management**

- Upon successful completion of BUSN 58, the student will be able to break down the financial requirements and risks for starting a business.
- Upon successful completion of BUSN 58, the student will be able to contrast the advantages and disadvantages of small business ownership.
- Upon successful completion of BUSN 58, the student will be able to develop a marketing strategy for a small business launch.

## **BUSN 61 Quickbooks Accounting**

- Upon completion of BUSN 61, the student will be able to complete end-of-period accounting procedures.
- Upon completion of BUSN 61, the student will be able to correctly reconcile the bank statement.
- Upon completion of BUSN 61, the student will be able to record depreciation and enter the adjusting entries required for accrual-basis accounting.
- Upon completion of BUSN 61, the student will be able to record owner's equity transactions.

# CSLOS

## BUSN 65 Federal Income Tax Accounting

- Upon completion of BUSN 65, the student will be able to describe the differences between an average and marginal tax rate.
- Upon completion of BUSN 65, the student will be able to explain and use the expanded income tax formula to determine a tax liability or refund.
- Upon completion of BUSN 65, the student will be able to identify and explain the general dependency tests as well as the tests for a dependent child and dependent relative.

## BUSN 86 Management Strategies & Dilemmas

- Upon completion of BUSN 86, the student should be able to explain the principles of management relative to organizational strategies.
- Upon completion of BUSN 86, the student should be able to describe the current challenges in the field of management while applying theory-driven knowledge.
- Upon completion of BUSN 86, the student should be able to identify issues, possible solutions, and consequences of ethical management dilemmas.

## BUSN 87 Organizational Management and Leadership

- Upon completion of BUSN 87, the student should be able to diagnose causes of organizational problems.
- Upon completion of BUSN 87, the student should be able to identify differences between leadership and management theories.
- Upon completion of BUSN 87, the student should be able to align and contrast their own leadership skills with that of leaders in an organization.

## BUSN 88 Human Resources Management

- Upon completion of BUSN 88, the student will be able to analyze the typical non-exempt compensation strategies.
- Upon completion of BUSN 88, the student will be able to compare and contrast workplace security options.
- Upon completion of BUSN 88, the student will be able to describe the process of human resources planning.
- Upon completion of BUSN 88, the student will be able to discuss the role of unions in employee relations.

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## Campus Safety

Division: Administrative Units

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### CSLO

- No CSLOs
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## Chemistry

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

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### CSLOs

#### CHEM 1A General College Chemistry I

- Upon completion of CHEM 1A, students should be able to analyze nature at the atomic scale by applying the concepts of atomic and molecular structure, conservation of energy, chemical equations, bonding models, states of matter, solutions, chemical equilibrium, and gas laws.
- Upon completion of CHEM 1A, students should be able to apply the scientific method to laboratory experiments.

# CSLOS

- Upon completion of CHEM 1A, students should be able to skillfully perform experimental measurements, techniques, and protocols, properly use standard laboratory instruments, and adhere to safe laboratory practices.
- Upon completion of CHEM 1A, students should be able to succinctly summarize laboratory procedures, clearly document laboratory measurements and observations, and effectively communicate rationale for the experiment, data analysis, and interpretation.
- Upon completion of CHEM 1A, 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 General College Chemistry First Term Exam.

## CHEM 1B General College Chemistry II

- Upon completion of CHEM 1B, students should be able to analyze nature at the atomic scale by applying the concepts of kinetics, equilibrium, thermodynamics, electrochemistry, nuclear chemistry, inorganic chemistry, and introductory organic chemistry.
- Upon completion of CHEM 1B, students should be able to apply the scientific method to laboratory experiments.
- Upon completion of CHEM 1B, students should be able to skillfully perform experimental measurements, techniques, and protocols, properly use standard laboratory instruments, and adhere to safe laboratory practices.
- Upon completion of CHEM 1B, students should be able to succinctly summarize laboratory procedures, clearly document laboratory measurements and observations, and effectively communicate rationale for the experiment, data analysis, and interpretation.
- Upon completion of CHEM 1B, 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 General College Chemistry Full Year Exam.

## CHEM 6 Environmental Chemistry

- Upon completion of CHEM 6, students should be able to analyze the environment at the atomic scale by applying the concepts of atomic and molecular structure, chemical equations, solution composition, gas laws, and nuclear chemistry.
- Upon completion of CHEM 6, students should be able to perform experimental measurements, techniques, and protocols, properly use standard laboratory instruments, and adhere to safe laboratory practices.
- Upon completion of CHEM 6, students should be able to apply the scientific method to laboratory experiments.
- Upon completion of CHEM 6, students should be able to succinctly summarize laboratory procedures, clearly document laboratory measurements and observations, and effectively communicate rationale for the experiment, data analysis, and interpretation.

## CHEM 12A Organic Chemistry I

- Upon completion of CHEM 12A, students should be able to analyze the nature of organic molecules by applying the concepts of nomenclature, structure, physical properties, synthesis, and reaction mechanisms.
- Upon completion of CHEM 12A, students should be able to apply the scientific method to laboratory experiments.
- Upon completion of CHEM 12A, students should be able to skillfully perform experimental measurements, techniques, and protocols, properly use standard laboratory instruments, and adhere to safe laboratory practices.
- Upon completion of CHEM 12A, students should be able to succinctly summarize laboratory procedures, clearly document laboratory measurements and observations, and effectively communicate rationale for the experiment, data analysis, and interpretation.
- Upon completion of CHEM 12A, the student should be able to write detailed reaction mechanisms.

## CHEM 12B Organic Chemistry II

- Upon completion of CHEM 12B, students should be able to analyze the nature of organic molecules by applying the concepts of nomenclature, structure, physical properties, synthesis, and reaction mechanisms.
- Upon completion of CHEM 12B, students should be able to apply the scientific method to laboratory experiments.
- Upon completion of CHEM 12B, students should be able to skillfully perform experimental measurements, techniques, and protocols, properly use standard laboratory instruments, and adhere to safe laboratory practices.
- Upon completion of CHEM 12B, students should be able to succinctly summarize laboratory procedures, clearly document laboratory measurements and observations, and effectively communicate rationale for the experiment, data analysis, and interpretation.

# CSLOS

- Upon completion of CHEM 12B, 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 Organic Chemistry series exam (beginning SP2015).

## CHEM 29 Independent Study, Chemistry

- No updated CSLOs

## CHEM 30A Introductory and Applied Chemistry I

- Upon completion of CHEM 30A, students should be able to analyze nature at the atomic scale by applying the concepts of atomic and molecular structure, chemical equations, solution composition, gas laws, and nuclear chemistry.
- Upon completion of CHEM 30A, students should be able to apply the scientific method to laboratory experiments.
- Upon completion of CHEM 30A, students should be able to skillfully perform experimental measurements, techniques, and protocols, properly use standard laboratory instruments, and adhere to safe laboratory practices.
- Upon completion of CHEM 30A, students should be able to succinctly summarize laboratory procedures, clearly document laboratory measurements and observations, and effectively communicate rationale for the experiment, data analysis, and interpretation.
- Upon completion of CHEM 30A, the student should be able to define concentration units of solutions (e.g., molarity and % concentration) and use these definitions in problem solving.
- Upon completion of CHEM 30A, 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 comprehensive final exam.

## CHEM 30B Introductory and Applied Chemistry II

- Upon completion of CHEM 30B, students should be able to analyze nature at the molecular scale by using the characteristics of biological macromolecules and assessing the implications of chemical properties within biological systems.
- Upon completion of CHEM 30B, students should be able to apply the scientific method to laboratory experiments.
- Upon completion of CHEM 30B, students should be able to skillfully perform experimental measurements, techniques, and protocols, properly use standard laboratory instruments, and adhere to safe laboratory practices.
- Upon completion of CHEM 30B, students should be able to succinctly summarize laboratory procedures, clearly document laboratory measurements and observations, and effectively communicate rationale for the experiment, data analysis, and interpretation.
- Upon completion of CHEM 30B, the student should be able to describe the functions of different types of biological molecules.

## CHEM 31 Introduction to College Chemistry

- Upon completion of CHEM 31, students should be able to analyze nature at the atomic scale by applying the concepts of atomic and molecular structure, conservation of energy, chemical equations, and gas laws.
- Upon completion of CHEM 31, students should be able to apply the scientific method to laboratory experiments.
- Upon completion of CHEM 31, students should be able to skillfully perform experimental measurements, techniques, and protocols, properly use standard laboratory instruments, and adhere to safe laboratory practices.
- Upon completion of CHEM 31, students should be able to succinctly summarize laboratory procedures, clearly document laboratory measurements and observations, and effectively communicate rationale for the experiment, data analysis, and interpretation.
- Upon completion of CHEM 31, 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.

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## Communication Studies

# CSLOS

Division: A&H (Arts & Humanities)

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## CSLOs

### CMST 1 Fundamentals of Public Speaking

- Upon completion of CMST 1, the student should be able to deliver a speech with effective content, organization, and delivery.

### CMST 2 Oral Interpretation of Literature

- Upon completion of CMST 2, the student should be able to compile a collection of literature from different genres that unite a central theme.
- Upon completion of CMST 2, the student should be able to perform a selection of literature aloud.

### CMST 3 Group Communication

- Upon completion of CMST 3, the student should be able to effectively communicate in a group performance to complete a task or goal.

### CMST 4 Introduction to Communication Studies

- Upon completion of CMST 4, the student should be able to deliver a speech with effective organization, content, and delivery.
- Upon completion of CMST 4, the student should be able to effectively communicate in group performance to complete a task or goal.
- Upon completion of CMST 4, the student should be able to identify and illustrate necessary skills for application of interpersonal communication competence.

### CMST 5 Readers Theater

- Upon completion of CMST 5, the student should be able to compile a cohesive Reader's Theater script.
- Upon completion of CMST 5, the student should be able to perform a Reader's Theater compilation script.

### CMST 10 Interpersonal Communication

- Upon completion of CMST 10, the student should be able to identify and demonstrate necessary skills for application of interpersonal communication competence.
- Upon completion of CMST 10, the student should be able to identify and demonstrate necessary skills of comprehension of interpersonal communication competence.

### CMST 11 Intercultural Communication

- Upon completion of CMST 11, 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 CMST 46, the student should be able to critically analyze an argument.
- Upon completion of CMST 46, the student should be able to develop and deliver an argument.

### CMST 48 Activities in Forensics

- Upon completion of CMST 48, the student should be able to perform a platform speech in a competitive situation
  - Upon completion of CMST 48, the student should be able to perform an oral interpretation presentation in a competitive situation.
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# CSLOS

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## Computer Information Systems

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

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### CSLOs

#### CIS 7 Introduction to Programming Concepts and Methodologies

- No updated CSLOs

#### CIS 8 Essential Computing Skills

- Upon completion of CIS 8, the student should be able to apply basic formatting to Word documents, create basic Excel spreadsheets, and create PowerPoint presentations that contain text and graphics.
- Upon completion of CIS 8, the student should be able to perform basic file management tasks such as copying and moving files and folders and perform Internet searches to find specific data.

#### CIS 10 Business Data Analytics

- No updated CSLOs

#### CIS 11 Data Visualization Tools

- No updated CSLOs

#### CIS 41 CyberSecurity Camp

- No updated CSLOs

#### CIS 42 Cybersecurity Competition Prep

- No updated CSLOs

#### CIS 43 Professional Communication

- Upon completion of CS 43, students will 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.
- Upon completion of CS 43, students will be able to demonstrate clear, compelling, analytical, and concise writing.

#### CIS 44 IT Fundamentals +

- No updated CSLOs

#### CIS 50 Introduction to Computing Information Technology

- Upon completion of CIS 50, 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 CIS 54, 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 CIS 55, the student should be able to construct projects efficiently generating solutions using various workplace computer programs.
- Upon completion of CIS 55, the student should be able to use Object Linking and Embedding (OLE), to create integrated Office documents.

#### CIS 55B Advanced MS Office Skills



# CSLOS

- Upon completion of CIS 55B, the student should be able to demonstrate the ability to create complex word processing documents using advanced text and document formatting, special functions, and save, print, and retrieve document functions.

## CIS 57 Database Concepts

- Upon completion of CIS 57, the student should be able to create a table in a database; include with at least three fields using different field types.
- Upon completion of CIS 57, the student should be able to produce a printed report based on a subset of data.
- Upon completion of CIS 57, the student should be able to query a table to create a subset of data based on a defined criteria.

## CIS 59 Web Dev: HTML/CSS/Javascript

- Upon completion of CIS 59, 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 59C Web Programming- JavaScript

- Upon completion of CIS 59C, the student should be able to create code using fundamental JavaScript syntax, work with the DOM, develop and debug across multiple browsers as well as take advantage of the available JavaScript libraries and Ajax.

## CIS 60 Systems Analysis and Design

- Upon completion of CIS 60, the student should be able to create survey questions to identify client requirements.

## CIS 62 Project Management

- Upon completion of CIS 62, the student should be able to produce a project plan to ensure successful delivery and stakeholder satisfaction.

## CIS 65 Introduction to Desktop Operating Systems

- Upon completion of CIS 65, the student should be able to install and configure desktop operating systems.

## CIS 66 Networking Fundamentals

- Upon completion of CNT 66, students will be to install, configure, secure, and troubleshoot home or business networks.

## CIS 71 Computer Typing

- No updated CSLOs

## CIS 71A Keyboarding (The Alphabet)

- Upon successful completion of CIS 71A, students will 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 CIS 71B, students will be 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 CIS 71C, students will 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 72A Data Management

# CSLOS

- Upon completion of CIS 72A, students will be able to utilize a database application to enter, edit, find, sort, and delete records and to create queries and reports, including mailing labels.

## CIS 72B Basic Office Integration

- Upon completion of CIS 72B, students will be able to embed and link data stored in an Excel worksheet into a Word document.
- Upon completion of CIS 72B, students will be able to use spreadsheet software in document reporting and presentation and integrate spreadsheets with other software for business communication.

## CIS 73A Ten-Key Skill Development

- Upon completion of CIS 73A, students will be able to key numeric data using the numeric keypad at a minimum rate of 90 strokes per minute with 98 percent accuracy.

## CIS 74 Office Procedures

- Upon completion of CIS 74, students will be able to describe the characteristics and personal qualities that are important for administrative professionals and the importance of ethics, customer service, and teamwork in the workplace.
- Upon completion of CIS 74, students will show mastery of office principles and procedures including the ability to produce correctly formatted business documents, manage business records, and appropriately use email and the Internet in the workplace.

## CIS 75 Office Technology/Communications

- Upon completion of CIS 75, students will be able to demonstrate effective and efficient telephone techniques for answer phones, taking messages, and assisting customers in a business environment.
- Upon completion of CIS 75, students will be able to use email systems such as Outlook to create contacts, calendar appointments, and send email messages.

## CIS 79 Medical Office Procedures

- Upon completion of CIS 79, students will be able to show a mastery of medical office principles and procedures to include the importance of medical ethics in application of professional office behavior, telecommunications, scheduling appointments, office equipment, medical documents and word processing, managing medical records, banking, payroll, expense reports, petty cash, billing, recordkeeping, postal services, health insurance, coding, and utilizing the Internet for online financial services and resources.

## CIS 81A Introduction to Cloud Computing

- No updated CSLOs

## CIS 81B Database Essentials in the Cloud

- Upon completion of CIS 81B, students will be able to create, deploy, design, configure, terminate, and migrate cloud databases.
- Upon completion of CIS 81B, students will be able to describe database services offered by cloud providers, such as Amazon AWS.
- Upon completion of CIS 81B, students will be able to describe Relational and Non-Relational Databases.
- Upon completion of CIS 81B, students will be able to describe the securities, policies, and compliances for databases.

## CIS 81C Compute Engines for Cloud Computing

- No updated CSLOs

## CIS 81D Security Services in the Cloud

- No updated CSLOs

## CIS 82A AWS Cloud Practitioner Certification Prep

# CSLOS

- Upon completion of CIS 82A, students will be able to define what the AWS Cloud is and the basic global infrastructure.
- Upon completion of CIS 82A, students will be able to describe basic security and compliance aspects of the AWS platform and the shared security model.
- Upon completion of CIS 82A, students will be able to describe the key services on the AWS platform and their common use cases.
- Upon completion of CIS 82A. students will be able to define the billing, account management, and pricing models.

## CIS 82B AWS Academy Cloud Solutions Architecture Certification Prep

- No updated CSLOs

## CIS 84 Windows

- Upon completion of CIS 84, students will be able to perform file and folder management tasks, such as copying, moving, deleting, and renaming files and folders; launch multiple applications; and use proper shut down procedures.

## CIS 88A Introduction to Microsoft Word

- Upon completion of CIS 88A, students will be able to create, save, retrieve, edit and print documents in correct business formats.

## CIS 88B Adv Microsoft Word

- Upon completion of CIS 88B, students will 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 CIS 89A, students will be to design, create, and view slide show presentation.

## CIS 89B Desktop Publishing

- Upon completion of CIS 89B, students will be able to plan, design, create publications using Microsoft Publisher.

## CIS 92 Web: PHP Programming, MySQL

- Upon completion of CIS 92, students will be able to analyze and solve various database tasks using the PHP language.
- Upon completion of CIS 92, students will be able to create PHP programs that use various PHP functions and control structures.
- Upon completion of CIS 92, students will be able to write PHP scripts to process data from online forms.

## CIS 9001 Database Design Methodology

- Upon completion of CIS 9001, students will be able to identify the steps of the database planning life cycle.

## CIS 9002 Introduction to Database Management

- Upon completion of CIS 9002, students will be able to write SQL SELECT statements that display data from single or multiple tables.

## CIS 9003 Oracle: Database Prog PL/SQL

- Upon completion of CIS 9003, students will be able to use PL/SQL programming constructs and conditionally control code flow (loops, control structures, and explicit cursors)..

## CIS 9005 Oracle: APEX Application Development

- Upon completion of this course, the student should be able to write SQL SELECT statements that display data from single or multiple tables

# CSLOS

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## Computer Networking Technology

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

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### CSLOs

#### CNT 43 Professional Communications

- Upon completion of CS 43, students will 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.
- Upon completion of CS 43, students will be able to demonstrate clear, compelling, analytical, and concise writing

#### CNT 51 CompTIA's A+ Certification Computer Technician

- Upon completion of CNT 51, students will be able to install, configure, and troubleshoot operating systems and applications.
- Upon completion of CNT 51, students will be able to install, configure, secure, and troubleshoot PC/Networking/Mobile devices.

#### CNT 52 Networking Fundamentals

- Upon completion of CNT 52, students will be to install, configure, secure, and troubleshoot home or business networks.

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

- Upon completion of CNT 55, students will be able to install, configure, secure, and troubleshoot Windows server in a domain environment.

#### CNT 56 MCSA II Networking with Windows Server

- Upon completion of CNT 56, students will be able to install, configure, secure, and troubleshoot IP Services in a Windows server domain environment.

#### CNT 57 MCSA III Identity with Windows Server

- Upon completion of CNT 57, students will be able to configure advanced Active Directory services.
- Upon completion of CNT 57, students will be able to configure advanced business continuity and availability services.
- Upon completion of CNT 57, students will be able to configure advanced network and server services.

#### CNT 68 Digital Forensics Fundamentals

- Upon completion of CNT 68, students will 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 CNT 69, students will be able to evaluate network security risks and responses.

#### CNT 7285 Cloud Infrastructure: CompTIA Cloud+ Certification

- Upon completion of CNT 7285, students will 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 CNT 7401, students will be able to apply basic shell programming, including text manipulations, file I/O, and typical Linux/UNIX utility programs.

# CSLOS

- Upon completion of CNT 7401, students will be able to create Linux desktop installation specifications.
- Upon completion of CNT 7401, students will be able to develop detailed design specifications for a substantive application, including major subsystems and interfaces.

## CNT 7402 Red Hat Linux Administration II

- Upon completion of CNT 7402, students will be able to automate Linux administrative tasks using BASH scripts.
- Upon completion of CNT 7402, students will be able to describe and manage storage devices, logical volumes, and storage layers within a Linux system.
- Upon completion of CNT 7402, students will be able to protect a Linux server using SELINUX.

## CNT 7501 Ethical Hacking

- Upon completion of CNT 7501, students will be able to report network security analysis observations.

## CNT 7701 IT Virtualization, Data, VMware

- Upon completion of CNT 7701, students will be able to configure and manage VMware ESX networking and storage using vCenter Server.

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

- Upon successful completion of CNT 8001, students will be able to build a simple Ethernet network using routers and switches.

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

- Upon successful completion of CNT 8002, students will be able to configure and set-up static routing.
- Upon successful completion of CNT 8002, students will be able to implement VLAN and VLAN routing.

## CNT 8003 Cisco CCNA3/3 Enterprise Networking, Security, and Automation v7.0 (ENSA)

- No updated CSLOs

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## Computer Science

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

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### CSLOs

#### CS 1 Computing Fundamentals I

- Upon completion of CS 1, students will be able to design and implement a programmer-defined function in C++.
- Upon completion of CS 1, students will 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 CS 2, students will be able to design and implement a programmer-defined class using encapsulation and inheritance in C++.
- Upon completion of CS 2, students will be able to 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 CS 3, students will be able to automate Linux administrative tasks using BASH scripts.
- Upon completion of CS 3, students will be able to protect a Linux server using SELINUX.
- Upon completion of CS 3, students will be able to describe and manage storage devices, logical volumes, and storage layers within a Linux system.

# CSLOS

## CS 4 Introduction to Artificial Intelligence

- Upon completion of CS 4, students will be able to design, implement, and discuss their rationale for a problem-solving agent in a search problem.
- Upon completion of CS 4, students will be able to design, implement, and discuss their rationale for an agent that handles certainty and uncertainty in their environment.

## CS 5 Introduction to Machine Learning

- Upon completion of CS 5, students will be able to design and implement a learning agent as part of reinforcement learning using an appropriate programming language.
- Upon completion of CS 5, students will be able to properly use a data set with a selected classifier to create valid models as part of supervised learning.

## CS 7 Introduction to Computer Programming Concepts

- Upon completion of CS 7, students will be able to explain and implement programmer-defined functions in Python.

## CS 16 Mobile App. Development- iPhone

- Upon completion of CS 16, students will be able to create several Objective C / Cocoa Touch programs of moderate to substantial complexity.
- Upon completion of CS 16, students will be able to explain and use fundamental Objective C concepts and syntax elements, including classes and objects, properties, strings, arrays and dictionaries.

## CS 17 Discrete Mathematical Structures

- Upon completion of CS 17, students should be able to determine whether a relation is an equivalence relation.
- Upon completion of CS 17, students 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.
- Upon completion of CS 17, students should be able to use mathematical reasoning and counting techniques to correctly enumerate the number of ways in which a specified event can occur.
- Upon completion of CS 17, students should be able to write a coherent formal proof using mathematical induction.

## CS 20 Advanced Programming with Data Structures/C++

- Upon completion of CS 20, students will be able to implement programs using linked lists, stacks, queues and binary trees, including implementations using the Standard Template Library.
- Upon completion of CS 20, students will be able to interpret and implement code using typical forms of recursion.

## CS 21 Computer Organization and Assembly Language Programming

- Upon completion of CS 21, students will be able to implement the assembly equivalent of while loops, for loops and switch statements.
- Upon completion of CS 21, students will be able to 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 CS 31, students will be able to create and use programmer-defined functions in Java.

## CS 41 Red Hat Linux Administration I

- Upon completion of CNT 7401, students will be able to apply basic shell programming, including text manipulations, file I/O, and typical Linux/UNIX utility programs.
- Upon completion of CNT 7401, students will be able to create Linux desktop installation specifications.
- Upon completion of CNT 7401, students will be able to develop detailed design specifications for a substantive application, including major subsystems and interfaces.

## CS 43 Professional Communications

# CSLOS

- Upon completion of CS 43, students will 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.
- Upon completion of CS 43, students will be able to demonstrate clear, compelling, analytical, and concise writing.

## CS 45 Database Programming

- Upon successful completion of CS 45, students will be able to convert business rules into a database design to support such rules.
- Upon successful completion of CS 45, students will be able to develop applications using both relational and non-relational (no-sql) database systems.
- Upon successful completion of CS 45, students will be able to implement a data model on both local and server-based RDBMS systems.

## CS 47 Capstone Project

- Upon completion of CS 47, students will be able to develop detailed design specifications for a substantive application, including major subsystems and interfaces.

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## Dance

Division: A&H (Arts & Humanities)

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### CSLOs

#### DANC 1 Introduction to Dance

- Upon completion of DANC 1, students 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.
- Upon completion of DANC 1, students should be able to identify elements of dance terminology.
- Upon completion of DANC 1, students should be able to perform foundational dance techniques in the genres of ballet, modern, and jazz dance.

#### DANC 2A Jazz Dance Fundamentals/Beginning

- Upon completion of DANC 2A, students should be able to critique jazz dance performances in terms of the intent, success of the choreographer, technique of the dancers, and incorporation of the elements of dance.
- Upon completion of DANC 2A, students should be able to execute movement reflecting the desired timing and musicality at an introductory level.
- Upon completion of DANC 2A, students should be able to perform dance technique specific to jazz dance at an introductory level.

#### DANC 2B Jazz Dance Beginning/Intermediate

- Upon completion of DANC 2B, students should be able to critique jazz dance performances in terms of the intent, success of the choreographer, technique of the dancers, and incorporation of the elements of dance.
- Upon completion of DANC 2B, students should be able to execute movement reflecting the desired timing and musicality at an intermediate level.
- Upon completion of DANC 2B, students should be able to perform dance technique specific to jazz dance at an intermediate level.

#### DANC 3A Ballet Fundamentals/Beginning

- Upon completion of DANC 3A, students should be able to critique ballet performances in terms of the intent, success of the choreographer, technique of the dancers, and incorporation of the elements of dance.
- Upon completion of DANC 3A, students should be able to execute movement reflecting the desired timing and musicality at an introductory level.

# CSLOS

- Upon completion of DANC 3A, students should be able to perform dance technique specific to ballet at an introductory level.

## DANC 4A Modern/Contemporary Dance A

- Upon completion of DANC 4A, students should be able to critique modern dance performances in terms of the intent, success of the choreographer, technique of the dancers, and incorporation of the elements of dance.
- Upon completion of DANC 4A, students should be able to execute movement reflecting the desired timing and musicality at an introductory level.
- Upon completion of DANC 4A, students should be able to perform dance technique specific to modern dance at an introductory level.

## DANC 4B Modern/Contemporary Dance B

- Upon completion of DANC 4B, students should be able to critique modern dance performances in terms of the intent, success of the choreographer, technique of the dancers, and incorporation of the elements of dance.
- Upon completion of DANC 4B, students should be able to execute movement reflecting the desired timing and musicality at an intermediate level.
- Upon completion of DANC 4B, students should be able to perform dance technique specific to modern dance at an intermediate level.

## DANC 6A Choreography for the Stage A

- Upon completion of DANC 6A, students 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.
- Upon completion of DANC 6A, students should be able to identify appropriate music and costuming for a dance work.
- Upon completion of DANC 6A, students should be able to interact in a professional manner with their choreographer.

## DANC 6B Choreography for the Stage B

- Upon completion of DANC 6B, students should be able to create dance works for the stage.
- Upon completion of DANC 6B, students 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.
- Upon completion of DANC 6B, students should be able to incorporate design elements into a dance work, including music, costuming, and lighting.

## DANC 29 Independent Study, Dance

- No updated CSLOs

## Early Care and Education

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

### CSLOs

#### ECE 10 Introduction to Education

- Upon completion of ECE 10, students will be able to articulate a personal philosophy of education.
- Upon completion of ECE 10, students will be able to explain the differences between historic and current education theories, issues, challenges, philosophies and settings.
- Upon completion of ECE 10, students will be able to Describe the role of the early elementary school educator, including ethical conduct and professional pathways.
- Upon completion of ECE 10, students will be able to assess the quality in pre-K and elementary education related to environments, curriculum, and teaching strategies and serving diverse students.



# CSLOS

- Upon completion of ECE 10, students will be able to Compare and contrast CA Preschool Learning Foundations, CA learning standards and guidelines and CA teaching standards and performance expectations.

## ECE 29 Independent Study, Early Care and Education

- No updated CSLOs

## ECE 40 Social and Emotional Foundations for Early Learning

- Upon completion of ECE 40, students will be able to identify personal strengths and the professional role in supporting the positive development of children's social and emotional well-being.

## ECE 42 Early Childhood Math and Science

- No updated CSLOs

## ECE 50 Early Childhood Principles and Practices

- Upon completion of ECE 50, students will be able to compare and contrast historical and current early childhood education perspectives, theories, and program types and philosophies.
- Upon completion of ECE 50, students will be able to describe the role of the early childhood educator, including ethical conduct and professional pathways.
- Upon completion of ECE 50, students will be able to examine a variety of observation, reflection, guidance and interaction strategies to increase children's social competence and promote a caring classroom community.
- Upon completion of ECE 50, students will be able to identify the underlying theoretical perspective in forming a professional philosophy.
- Upon completion of ECE 50, students will be able to identify quality in early education programs related to environment, curriculum, interactions and teaching strategies.

## ECE 54 Child Health, Safety, and Nutrition

- Upon completion of ECE 54, students will be able to assess strategies to maximize the mental and physical health of children and adults in accordance with culturally, linguistic and developmentally sound practice.
- Upon completion of ECE 54, students will be able to identify health, safety and environmental risks in children's programs.

## ECE 56 Child Growth and Development

- Upon completion of ECE 56, students will be able to apply knowledge of development and major theoretical frameworks to child observations.
- Upon completion of ECE 56, students will be able to describe development of children from conception through adolescence in the physical, social, emotional and cognitive domains.
- Upon completion of ECE 56, students will be able to identify cultural, economic, political and historical contexts that impact children's development.

## ECE 60 Introduction to the Young Child with Exceptional Needs

- Upon completion of ECE 60, students will be able to explain the terminology, systems, laws and services that addresses children with exceptionalities and recommend supports for the child and their family.
- Upon completion of ECE 60, students will be able to use observation to integrate curriculum goals and objectives across developmental domains, content areas, and routines for children with special needs.

## ECE 61 Literature for the Young Child

- By the end of ECE 61 students shall be able to Identify the components of literature that promote language and literacy development

## ECE 62 Child, Family and Community

- Upon completion of ECE 62, students will 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.

# CSLOS

- Upon completion of ECE 62, students will be able to assess how their own values, goals, family history and life experiences, impact their relationships with children and families.
- Upon completion of ECE 62, students will be able to describe socialization of the child focusing on the interrelationship of family, school, community and society.
- Toggle the visibility of the item detail panel
- Upon completion of ECE 62, students will be able to identify the educational, cultural, linguistic, political, and socioeconomic impacts on children and families.
- Upon completion of ECE 62, students will be able to describe strategies that empower families and encourage family involvement in their children's development and education.

## ECE 63 Early Childhood Curriculum

- Upon completion of ECE 63, students will 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.
- Upon completion of ECE 63, students will be able to apply theories of children's learning and development to key curricular content areas, through documentation and evaluation of curriculum.
- Upon completion of ECE 63, students will be able to students shall use reflective practices to evaluate the effectiveness of early childhood curriculum, classrooms, and teaching strategies.

## ECE 65 Administration I: Programs in Early Childhood Education

- Upon completion of ECE 65, students will be able to apply administration skills in various types of early care and education programs.
- Upon completion of ECE 65, students will be able to evaluate components of quality programs, facilities and operations.
- Upon completion of ECE 65, students will be able to recognize effective strategic and fiscal planning.

## ECE 67 Infant and Toddler Development and Caregiving

- Upon completion of ECE 67, students will be able to articulate responsive, reciprocal and respectful caregiving.
- Upon completion of ECE 67, students will be able to intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Upon completion of ECE 67, students will be able to 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.

## ECE 68 Administration II: Personnel and Leadership in Early Childhood Education

- Upon completion of ECE 68, students will be able to compare and contrast the legal requirements with the ethical aspects of directing staff in an early child development program.
- Upon completion of ECE 68, students will be able to demonstrate effective practices for managing and leading staff, and administering early care and education programs.
- Upon completion of ECE 68, students will be able to establish professional relationships, and facilitate collaboration and communication between colleagues, families, and stakeholders.
- Upon completion of ECE 68, students will be able to implement ongoing professional development plans based on evaluation of staff and administrator needs.

## ECE 69 Child Study: Observation and Assessment

- Upon completion of ECE 69, students will be able to complete systematic observations and assessments using a variety of data collection methods to inform environment design, interactions, and curriculum.
- Upon completion of ECE 69, students will be able to describe and evaluate the characteristics, strengths, and limitations of common assessment tools with all children's developmental, cultural, and linguistic characteristics.
- Upon completion of ECE 69, students will be able to discuss the role of partnerships with families and other professionals in utilizing interpretations of observational and assessment data.

## ECE 74 Child Guidance

# CSLOS

- Upon completion of ECE 74, students will be able to develop effective strategies to support children's development of self-control, self-motivation and positive self-esteem in children ages birth to eight.
- Upon completion of ECE 74, students will be able to identify effective strategies to encourage positive social interactions and promote conflict resolution between children ages birth to eight.

## ECE 78 Language Development

- Upon completion of ECE 78, students will be able to describe the role of culture and environment on children's language and literacy development.
- Upon completion of ECE 78, students will be able to identify specific strategies to support the language and literacy development of dual language learners.
- Upon completion of ECE 78, students will be able to identify the stages of both oral and written language development in children birth to age 8.

## ECE 79 Teaching in Diverse Society

- Upon completion of ECE 79, students will be able to evaluate classroom environments, materials, and approaches through an anti-bias lens for developmental, cultural, and linguistic appropriateness.
- Upon completion of ECE 79, students will be able to evaluate the impact of personal experiences, biases and social identity on teaching effectiveness.
- Upon completion of ECE 79, students will be able to evaluate the relationship between one's own experiences and the development of personal bias.
- Upon completion of ECE 79, students will be able to identify strategies to act upon issues of social injustice and bias that occur in classrooms.
- Upon completion of ECE 79, students will be able to 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 80A CA Preschool Foundations: Health

- Upon completion of ECE 80A, the student should be able to explain the roles of the California Preschool Learning Foundations and Frameworks in the education of young children and their relationship to the Desired Results Developmental Profile (DRDP), California Common Core State Standards for kindergarten, and Content Standards for California Public Schools (kindergarten).
- Upon completion of ECE 80A, the student should be able to plan environments and experiences related to the development of healthy habits, personal safety, and nutrition, based on the observation of children in classroom settings.
- Upon completion of ECE 80A, the student should be able to articulate the teacher's role in collaboration with families to support the development of healthy habits in young children.

## ECE 80B CA Preschool Foundations: Social and Emotional

- Upon completion of ECE 80B, the student should be able to explain the roles of the California Preschool Learning Foundations and Frameworks in the education of young children, and their relationship to the Desired Results Developmental Profile (DRDP).
- Upon completion of ECE 80B, the student should be able to plan environments and experiences, based on observation of children, to support children's development of self-regulation and social skills.
- Upon completion of ECE 80B, the student should be able to describe how teachers can collaborate with parents and other caregivers to support children's social and emotional development.

## ECE 80C CA Preschool Foundations: Language and Literacy

- Upon completion of ECE 80C, the student should be able to explain the roles of the California Preschool Learning Foundations and Frameworks in the education of young children and their relationship to the Desired Results Developmental Profile (DRDP), California Common Core State Standards for kindergarten, and Content Standards for California Public Schools (kindergarten).
- Upon completion of ECE 80C, the student should be able to plan environments and experiences, based on observation of children, to support children's language and literacy development.
- Upon completion of ECE 80C, the student should be able to describe how teachers can collaborate with parents and other caregivers to support children's language and literacy development.

# CSLOS

## ECE 80D CA Preschool Foundations: English Language Development

- Upon completion of ECE 80D, the student should be able to explain the roles of the California Preschool Learning Foundations and Frameworks in the education of young children and their relationship to the Desired Results Developmental Profile (DRDP), California Common Core State Standards for kindergarten, and Content Standards for California Public Schools (kindergarten).
- Upon completion of ECE 80D, the student should be able to plan environments and experiences, based on observation of children, to support children's English language development.
- Upon completion of ECE 80D, the student should be able to describe how teachers can collaborate with parents and other caregivers to support children's English language development.

## ECE 80E CA Preschool Foundations: History/Social Science

- Upon completion of ECE 80E, the student should be able to explain the roles of the California Preschool Learning Foundations and Frameworks in the education of young children and their relationship to the Desired Results Developmental Profile (DRDP), California Common Core State Standards for kindergarten, and Content Standards for California Public Schools (kindergarten).
- Upon completion of ECE 80E, the student should be able to plan environments and experiences to support children's concept development in the areas of history and social science.
- Upon completion of ECE 80E, the student should be able to describe how teachers can collaborate with parents and other caregivers to provide meaningful history and social studies learning experiences for young children.

## ECE 80F CA Preschool Foundations: Math

- Upon completion of ECE 80F, the student should be able to explain the roles of the California Preschool Learning Foundations and Frameworks in the education of young children and their relationship to the Desired Results Developmental Profile (DRDP), California Common Core State Standards for kindergarten, and Content Standards for California Public Schools (kindergarten).
- Upon completion of ECE 80F, the student should be able to plan environments and experiences to support mathematical learning, based on the observation of children in classroom settings.
- Upon completion of ECE 80F, the student should be able to articulate the teacher's role in collaborating with families to support children's mathematical learning.

## ECE 80G CA Preschool Foundations: Science

- Upon completion of ECE 80G, the student should be able to explain the roles of the California Preschool Learning Foundations and Frameworks in the education of young children and their relationship to the Desired Results Developmental Profile (DRDP), California Common Core State Standards for kindergarten, and Content Standards for California Public Schools (kindergarten).
- Upon completion of ECE 80G, the student should be able to plan environments and experiences, based on observation of children, to support children's development of scientific concepts.
- Upon completion of ECE 80G, the student should be able to describe how teachers can collaborate with parents and other caregivers to support children's understanding of scientific concepts.

## ECE 80H CA Preschool Foundations Visual Arts

- Upon completion of ECE 80H, the student should be able to explain the roles of the California Preschool Learning Foundations and Frameworks in the education of young children and their relationship to the Desired Results Developmental Profile (DRDP), and Content Standards for California Public Schools (kindergarten).
- Upon completion of ECE 80H, the student should be able to plan environments and experiences, based on observation of children, to support children's development of visual arts skills.
- Upon completion of ECE 80H, the student should be able to describe how teachers can collaborate with parents and other caregivers to support children's development of artistic skills.

## ECE 80I CA Preschool Foundations: Physical Development

- Upon completion of ECE 80I, the student should be able to explain the roles of the California Preschool Learning Foundations and Frameworks in the education of young children and their relationship to the Desired Results Developmental Profile (DRDP), and Content Standards for California Public Schools (kindergarten).
- Upon completion of ECE 80I, the student should be able to plan environments and opportunities to support physical development, based on the observation of children in classroom settings.

# CSLOS

- Upon completion of ECE 80I, the student should be able to articulate the teacher's role in collaborating with families to support children's physical development.

## ECE 80J CA Preschool Foundations: Performing Arts

- Upon completion of ECE 80J, the student should be able to explain the roles of the California Preschool Learning Foundations and Frameworks in the education of young children and their relationship to the Desired Results Developmental Profile (DRDP), and Content Standards for California Public Schools (kindergarten).
- Upon completion of ECE 80J, the student should be able to plan environments and opportunities to support children's development of appreciation of the arts including opportunities to express themselves through music, dance, and dramatic play.
- Upon completion of ECE 80J, the student should be able to articulate the teacher's role in collaborating with families to support children's art awareness and expression.

## ECE 83 Adult Mentoring and Supervision

- Upon completion of ECE 83, students will be able to create a professional portfolio.
- Upon completion of ECE 83, students will be able to demonstrate competency in communication and reflective practices when working with diverse adult populations.
- Upon completion of ECE 83, students will be able to students will develop a personal ECE philosophy after reviewing ECE philosophies and program approaches.

## ECE 87 Quality Environments for Infants and Toddlers

- Upon completion of ECE 87, students will be able to demonstrate strategies to promote healthy relationships in the care and education of infants and toddlers.
- Upon completion of ECE 87, students will be able to evaluate infant and toddler curriculum and environments based on observation, documentation and reflection.
- Upon completion of ECE 87, students will be able to summarize the essential policies and practices of quality infant and toddler programs.

## ECE 90 Practicum-Supervised Experience

- Upon completion of ECE 90, students will 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 ECE 91, students will be able to students will 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 ECE 95, students will be able to complete and implement objectives that improves the child learning environment.
- Upon completion of ECE 95, students will be able to students will demonstrate developmentally appropriate practices in their work with young children.

## ECE 96 Work Experience Seminar

- Upon completion of ECE 96, students will be able to utilize the code of ethics in making appropriate decisions for the children and families.

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## Economics

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

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# CSLOS

## CSLOs

### ECON 1 Principles of Microeconomics

- Upon completion of ECON 1, students will 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.
- Upon completion of ECON 1, students will be able to define opportunity cost and marginal analysis and explain how they relate to choices of individuals in the economy.
- Upon completion of ECON 1, students will be able to define different market structures and explain how firms optimize their fiscal objectives in these markets.

### ECON 2 Principles of Macroeconomics

- Upon completion of ECON 2, students will 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.
- Upon completion of ECON 2, students will be able to define key economic indicators, including GDP, CPI, and Unemployment Rate, and use these quantitative measures to analyze the economy.
- Upon completion of ECON 2, students will be able to describe monetary and fiscal policies and explain how they affect short-term economic fluctuations.

### ECON 10 General Economics

- Upon completion of ECON 10, students will 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.
- Upon completion of ECON 10, students will be able to define opportunity cost and marginal analysis and explain how they relate to choices of individuals in the economy.
- Upon completion of ECON 10, students will be able to define key economic indicators, including GDP, CPI, and Unemployment Rate, and use these quantitative measures to analyze the economy.

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## Emergency Medical Services

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

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## CSLOs

### EMS 10 Paramedic Theory 1

- Upon completion of EMS 10, the student will be able to describe the function of the Emergency Medical System and it's historical development.
- Upon completion of EMS 10, the student will be able to assess and discuss respiratory emergencies, and utilize airway tools to treat patients.
- Upon completion of EMS 10, the student will be able to discuss the physiology and pathophysiology of emergent medical illnesses and traumatic injuries.

### EMS 11 Paramedic Theory 2

- Upon completion of EMS 11, the student will be able to formulate a differential diagnosis of the emergency syndromes when evaluating a pediatric patient with shortness of breath.
- Upon completion of EMS 11, the student will be able to perform the correct emergency medical treatment for the condition observed when presented with a clinical condition identified by a 12-lead electrocardiogram.
- Upon completion of EMS 11, the student will be able to read and interpret a 12-lead electrocardiogram in order to describe a syndrome under the umbrella of Acute Coronary Syndromes.

### EMS 12 Paramedic Laboratory 1

- Upon completion of EMS 12, the student will be able to demonstrate the successful insertion of an endotracheal tube into a simulated trachea.
- Upon completion of EMS 12, the student will be able to demonstrate the successful insertion of an intravenous catheter into a simulated vein.

# CSLOS

- Upon completion of EMS 12, the student will be able to perform medication calculations.
- Upon successful completion of EMS 12, the student should be able to demonstrate the psychomotor skills related to medication administration, patient assessment, and airway management.
- Upon successful completion of EMS 12, the student will be able to use a variety of skills from their completed portfolio to assess a patient and carry out appropriate treatment.

## EMS 13 Paramedic Laboratory 2

- Upon completion of EMS 13, the student will be able to manage and treat a pediatric patient in cardiac arrest using the standards of the American Heart Association Pediatric Advanced Life Support protocols.
- Upon completion of EMS 13, the student will be able to manage and treat an adult patient in cardiac arrest using the standards of the American Heart Association Advanced Cardiac Life Support protocols.
- Upon completion of EMS 13, the student will be able to properly identify a simulated dynamic and static electrocardiographic rhythm on a 4-lead ECG monitor and treat the syndrome signified by the ECG tracing.

## EMS 16 Paramedic Clinical Occupational Work Experience

- Upon completion of EMS 16, the student will be able to administer prehospital medications to the patient via the intramuscular route, intravenous route, nebulized route, and subcutaneous route.
- Upon completion of EMS 16, the student will be able to deliver a patient care report to a physician, registered nurse, or paramedic that is accurate and describes the care delivered by the student.
- Upon completion of EMS 16, the student will be able to 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 EMS 17, the student will demonstrate the ability 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.

## EMS 20 Emergency Medical Technician

- Upon completion of EMS 20, the student will be able to demonstrate proficiency in the psychomotor skills required in their scope of practice.
- Upon completion of EMS 20, the student will be able to describe the function of the Emergency Medical System and its historical development.
- Upon completion of EMS 20, the student will be able to 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 EMS 30, the student will be able to implement treatment at the scope of practice of Emergency Medical Responder.
- Upon completion of EMS 30, the student will be able to recognize emergency medical illnesses and traumatic injuries.

## EMS 62 Basic Medical Terminology

- Upon successful completion of EMS 62, 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 EMS 70, the student shall be able to perform the CPR skills required for a Health Care Provider according to the standards of the American Heart Association.

## EMS 91 Emergency Medical Technician- Refresher

- Upon completion of EMS 91, the student will be able to articulate the recent advances in emergency medical care within the last two years.
- Upon completion of EMS 91, the student will be able to demonstrate continued proficiency in the psychomotor skills required in their scope of practice.

# CSLOS

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## English

Division: A&H (Arts & Humanities)

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### CSLOs

#### ENG 1A Critical Reading and Composition

- Upon completion of English 1A, the student will be able to identify the main ideas and supporting arguments of a college-level text.
- Upon completion of English 1A, the student will be able to research a topic using credible sources and document sources in an academically responsible way.
- Upon completion of English 1A, the student will be able to use effective and correct sentence structures to convey ideas.
- Upon completion of English 1A, the student will be able to write an academic essay using textual evidence to support a thesis.

#### ENG 1AEX Critical Reading and Composition Expanded

- Upon completion of English 1AEX, the student will be able to identify the main ideas and supporting arguments of a college-level text.
- Upon completion of English 1AEX, the student will be able to research a topic using credible sources and document sources in an academically responsible way.
- Upon completion of English 1AEX, the student will be able to use effective and correct sentence structures to convey ideas.
- Upon completion of English 1AEX, the student will be able to write an academic essay using textual evidence to support a thesis.

#### ENG 4 Critical Thinking and Writing about Literature

- Upon completion of English 4, the student will be able to identify and evaluate implied arguments in college-level literary texts.
- Upon completion of English 4, the student will be able to assess the best use of language, style, and voice for a variety of writing assignments and rhetorical contexts.
- Upon completion of English 4, the student will be able to write a research paper using credible sources and correct documentation.
- Upon completion of English 4, the student will be able to write an academic essay synthesizing multiple texts and using logic to support a thesis.

#### ENG 7 Critical Thinking and Writing Across Disciplines

- Upon completion of English 7, the student will be able to evaluate the logic and validity of a nonfiction college-level text's reasoning and support.
- Upon completion of English 7, the student will be able to use grammar, vocabulary, and style appropriate for academic essays.
- Upon completion of English 7, the student will be able to write a research paper using credible sources and correct documentation.
- Upon completion of English 7, the student will be able to write an academic essay synthesizing multiple texts and using logic to support a thesis.

#### ENG 11 Introduction to Creative Writing

- Upon completion of English 11, the student should be able to write a short story applying techniques of dialogue, characterization, point-of-view, plot, description, style, tone, and voice.



# CSLOS

- Upon completion of English 11, the student should be able to write poems in traditional and modern forms, applying techniques including image, metaphor, sound, and symbolism.

## ENG 12A Craft of Writing Fiction

- Upon completion of English 12A, 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 English 12B, 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 ENG 12C, the student should be able to demonstrate advanced skills in description, dialogue, characterization, point of view control, plotting, and theme
- Upon completion of ENG 12C, the student should be able to 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 13A The Craft of Writing Poetry: Beginning

- Reading and analysis
  - o Outline the requirements and variations of the sonnet form and discuss the ways in which Shakespeare's "Sonnet 118" relates content to form.
  - o Describe the images used in Sylvia Plath's "Lady Lazarus" and provide interpretations for the symbolism, supported by the language, sound, and tone of Plath's writing.
- Writing
  - o Take notice of two elements of Frost's "Nothing Gold Can Stay": sound, structure, rhythm, image, or meaning. Then write a poem of your own that echoes and "talks back to" these two elements.
  - o Considering connection between form and content, write a poem in one of the following fixed forms: sonnet, rondolet, villanelle, sestina, haiku, or tanka; provide a paragraph explaining the ways in which you have attempted to relate the content of your poem to the chosen form.
- Presentation
  - o Present published and/or original works of poetry employing skills of intonation, memorization, and body movement to express meaning and mood of written poetry.

## ENG 13B The Craft of Writing Poetry: Intermediate

- Upon completion of English 13B, the student will be able to demonstrate knowledge of poetry publication markets and strategies.
- Upon completion of English 13B, the student will be able to write poems in traditional and modern forms, demonstrating intermediate proficiency in techniques including image, metaphor, sound, and symbolism to develop ideas and create meaning.

## ENG 19A Journal of Arts, Literature, and Academic Writing A

- Upon completion of JAMS 19A, the student will be able to work with others to create a literary anthology, following a timeline for production, creating submission guidelines, soliciting submissions, assessing and selecting submissions, editing and formatting anthology content, and organizing an awards ceremony for contributors and contest winners.

## ENG 19B Journal of Arts, Literature, and Academic Writing B

- Upon completion of MSCM 19B, the student will be able to work with others to, create a literary anthology, following a timeline for production, creating submission guidelines, soliciting submissions, assessing and selecting submissions, editing and formatting anthology content, and organizing an awards ceremony for contributors and contest winners. At the B level of this course, increased proficiency is expected.

# CSLOS

## ENG 20 Studies in Shakespeare

- Upon completion of English 20, students will be able to analyze an author's use of literary techniques to develop a theme.
- Upon completion of English 20, students will be able to identify, analyze, and interpret the distinctive metaphors, poetic forms and vocabulary used in Shakespeare's plays and sonnets.
- Upon completion of English 20, the student will be able to recognize, appreciate, and compare the similarities and differences between authors, characters, and self that stem from historical era and cultural tradition.

## ENG 29 Independent Study, English

- No updated CSLOs

## ENG 32 U.S. Women's Literature

- Upon completion of English 32, the student will be able to analyze an author's use of literary techniques to develop a theme.
- Upon completion of English 32, the student will be able to recognize, appreciate, and analyze the impact of gender on individual expression.
- Upon completion of English 32, the student will be able to recognize, appreciate, and compare the similarities and differences between authors, characters, and self that stem from historical era and cultural tradition.

## ENG 35 Modern American Literature

- Upon completion of English 35, students should be able to analyze, evaluate, and interpret how 20th century American literature creates and reflects an American identity.
- Upon completion of English 35, students should be able to analyze an author's use of literary techniques to develop a theme.
- Upon completion of English 35, students should be able to 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 ENG 41, the student will be able to analyze an author's use of literary techniques to develop a theme.
- Upon completion of ENG 41, the student will be able to analyze two authors from different cultures, recognizing universal themes as well as distinct ideas regarding human nature, cultural values, or literary form.
- Upon completion of ENG 41, the student will be able to recognize, appreciate, and compare the similarities and differences between authors, characters, and self that stem from historical era and cultural tradition.

## ENG 42 Literature of the African Diaspora in America

- Upon completion of ENG 42, the student should be able to analyze an author's use of literary techniques to develop a theme.
- Upon completion of ENG 42, the student should be able to recognize, appreciate, and compare the similarities and differences between authors, characters, and self that stem from historical era and cultural tradition.

## ENG 44 Literature of the American West

- Upon completion of English 44, the student will be able to analyze an author's use of literary techniques to develop a theme.
- Upon completion of English 44, the student will be able to appreciate how individuals from different racial groupings, and different classes and genders within those groupings, contributed to the fabric of American Western culture through their individual action and interaction.
- Upon completion of English 44, the student will be able to describe literary aspects of American Western narrative, including narrative style, character, dialogue, figurative language, and the use of landscape, among others.
- Upon completion of English 44, the student will be able to recognize, appreciate, and compare the similarities and differences between authors, characters, and self that stem from historical era and cultural tradition.

## ENG 45 Studies in Fiction

# CSLOS

- Upon completion of English 45, the student will be able to analyze an author's use of literary techniques to develop a theme.
- Upon completion of English 45, the student will be able to demonstrate familiarity with the structure of the works studied and discuss the works using appropriate literary terms such as metaphor, plot, point of view, and character development.
- Upon completion of English 45, the student will be able to 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.
- Upon completion of this course, the student should be able to identify and use strategies to improve self-efficacy, including campus supports.

## English as a Second Language

Division: A&H (Arts & Humanities)

### CSLOs

#### ESL 23 Advanced Grammar

- Upon completion of ESL 23, the student should be able to analyze sentence structure of complex sentences with multiple clauses in written academic discourse.
- Upon completion of ESL 23, the student should be able to 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.
- Upon completion of ESL 23, the student should be able to 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.
- Upon completion of ESL 23, the student should be able to use standard grammar terminology to analyze and discuss English in written academic discourse.

#### ESL 24 Advanced Reading and Composition I

- Upon completion of ESL 24, the student should be able to demonstrate a low-advanced ability to identify main ideas and supporting details in level appropriate texts.
- Upon completion of ESL 24, the student should be able to 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 ESL 25, the student should be able to demonstrate a high-advanced ability to identify main ideas and supporting details in level appropriate texts.
- Upon completion of ESL 25, the student should be able to write an essay of five to seven paragraphs that demonstrates clear organization, logical development, and correct language use.

#### ESL 26 Advanced Editing

- Upon completion of ESL 26, the student should be able to distinguish the subject, verb, and object in each clause in compound, complex, compound complex sentence and identify errors.
- Upon completion of ESL 26, the student should be able to identify verbs as linking, intransitive, or transitive in all clauses in simple, compound, complex, and compound-complex sentences and identify errors.
- Upon completion of ESL 26, the student should be able to produce the verb forms (base, past, past participle, present participle) for the verbs on the list of most common 0-2000 words as well as select words from the academic word list and identify errors.

# CSLOS

- Upon completion of ESL 26, the student should be able to select, use, and explain the correct verb tense (simple, progressive, perfect, and perfect progressive: present, past, and future) for the verbs on the list of most common 0-2000 word list as well as select verbs from the academic word list.

## ESL 100 Beginning Spelling for English Language Learners

- Upon completion of ESL 100, the student should be able to correctly identify sound-spelling correspondence of short and long vowel sounds.
- Upon completion of ESL 100, the student should be able to correctly identify sound-spelling correspondence of voiced and voiceless consonants.
- Upon completion of ESL 100, the student should be able to correctly spell commonly used words in English that follow conventional spelling patterns.
- Upon completion of ESL 100, the student should be able to correctly spell commonly used words in English that follow non-conventional spelling patterns.

## ESL 110 Beginning Vocabulary Skills for English Language Learners

- Upon completion of ESL 110, the student should be able to correctly use common beginning- level abbreviations.
- Upon completion of ESL 110, the student should be able to correctly use common beginning- level collocations.
- Upon completion of ESL 110, the student should be able to correctly use common beginning-level stems and affixes.
- Upon completion of ESL 110, the student should be able to correctly use vocabulary from the 0-1000 most common word list.

## ESL 113 Speaking and Listening Fluency for Academic and Professional Purposes

- Upon completion of ESL 113, the student should be able to present a researched topic accurately, professionally and persuasively.
- Upon completion of ESL 113, the student should be able to understand main ideas and details in an oral presentation like an academic lecture or TED Talk.
- Upon completion of ESL 113, the student should be able to distinguish between fact, opinion, and inference in an oral presentation.

## ESL 115 Intermediate Vocabulary Skills for English Language Learners

- Upon completion of ESL 115, the student should be able to correctly use common intermediate- level abbreviations.
- Upon completion of ESL 115, the student should be able to correctly use common intermediate- level collocations.
- Upon completion of ESL 115, the student should be able to correctly use common intermediate-level stems and affixes.
- Upon completion of ESL 115, the student should be able to correctly use vocabulary from the 1000-2000 most common word list.

## ESL 120A Intermediate Grammar for Reading and Writing

- Upon completion of ESL 120A, 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.
- Upon completion of ESL 120A, the student should be able to distinguish subjects, verbs, direct objects, prepositional phrases, gerund phrases, infinitive phrases, and infinitives of purpose in simple, compound and complex sentences with adverb clauses.
- Upon completion of ESL 120A, the student should be able to 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.
- Upon completion of ESL 120A, the student should be able to 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

# CSLOS

- Upon completion of ESL 120B, 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.
- Upon completion of ESL 120B, the student should be able to 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.
- Upon completion of ESL 120B, the student should be able to 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.
- Upon completion of ESL 120B, the student should be able to 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.

## ESL 121A Intermediate Reading and Writing

- Upon completion of ESL 121A, the student should be able to demonstrate a low-intermediate ability to identify main ideas and supporting details in level appropriate texts.
- Upon completion of ESL 121A, the student should be able to 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 ESL 121B, the student should be able to demonstrate a high-beginning ability to identify main ideas and supporting details in level appropriate texts.
- Upon completion of ESL 121B, the student should be able to 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 ESL 123, the student should be able to comprehend a short lecture on an academic topic.
- Upon completion of ESL 123, the student should be able to research and make a five-minute presentation on a new topic.
- Upon completion of ESL 123, the student should be able to take dictation of sentences and questions.
- Upon completion of ESL 123, the student should be able to use academic vocabulary and expressions.

## ESL 126 Intermediate Pronunciation and Fluency

- Upon completion of ESL 126, the student should be able to apply grammar and pronunciation rules to produce correct simple, compound, and learned complex sentences with stress on content words rather than function words.
- Upon completion of ESL 126, the student should be able to give oral directions and instructions.
- Upon completion of ESL 126, the student should be able to pronounce learned vocabulary and idiomatic expressions understandably.
- Upon completion of ESL 126, the student should be able to take dictation of compound and complex sentences and questions with learned academic vocabulary.

## ESL 130A Beginning Grammar for Reading and Writing

- Upon completion of ESL 130A, 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).
- Upon completion of ESL 130A, the student should be able to distinguish subjects, verbs, objects, and prepositional phrases in simple sentences.
- Upon completion of ESL 130A, the student should be able to 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.
- Upon completion of ESL 130A, the student should be able to 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.

# CSLOS

## ESL 130B High-Beginning Grammar for Reading and Writing

- Upon completion of ESL 130B, 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.
- Upon completion of ESL 130B, the student should be able to distinguish subject, verb, objects, and phrases (noun, prepositional, gerund, and infinitive) in simple and compound sentences.
- Upon completion of ESL 130B, the student should be able to 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.
- Upon completion of ESL 130B, the student should be able to 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 ESL 131A, the student should be able to demonstrate a low-beginning ability to identify main ideas and supporting details in level appropriate texts.
- Upon completion of ESL 131A, the student should be able to 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 ESL 131B, the student should be able to demonstrate a high-beginning ability to identify main ideas and supporting details in level appropriate texts.
- Upon completion of ESL 131B, the student should be able to 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

- Upon completion of ESL 133, the student should be able to participate in discussions in one-to-one and small group situations on a variety of topics.
- Upon completion of ESL 133, the student should be able to use level-appropriate grammatical structures, vocabulary, and idiomatic expressions for a variety of communicative purposes.
- Upon completion of ESL 133, the student should be able to take dictation of sentences and questions.
- Upon completion of ESL 133, the student should be able to retell the plot and/or main ideas from news items, movies, lectures, or presentations.

## ESL 136 Beginning Pronunciation and Fluency

- Upon completion of ESL 136, the student should be able to correctly pronounce level-appropriate vocabulary and idiomatic expressions.
- Upon completion of ESL 136, the student should be able to identify and stress appropriate content word(s) in a sentence.
- Upon completion of ESL 136, the student should be able to distinguish sounds in minimal pairs.
- Upon completion of ESL 136, the student should be able to correctly identify and pronounce voiced and voiceless sounds.

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## Environmental Studies

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

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### CSLOs

EVST 5 Energy and Sustainability

# CSLOS

- Upon completion of EVST 5, students should be able to evaluate energy efficiency in residential spaces and develop a plan to reduce energy use and cost.
- Upon completion of EVST 5, students should be able to assess the efficacy of commercial methods of energy generation (e.g., fossil fuels, solar, wind) by analyzing economic factors, environmental effects, and scientific data.
- Upon completion of EVST 5, students should be able to 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 1 Introduction to Ethnic Studies

- Upon completion of ETHS 1, the students should be able to identify major concepts and theories of ethnic studies.
- Upon completion of ETHS 1, the students should be able to apply standpoints of Native American, African American, Asian and Pacific Islander American, and Chicanx and Latinx American communities to describe their lived experiences and struggles.
- Upon completion of ETHS 1, the students should be able to critically analyze the intersection of race and ethnicity with other forms of social differences.
- Upon completion of ETHS 1, the students should be able to evaluate active engagement with anti-racist and anti-colonial social justice movements.
- Upon completion of ETHS 1, the students should be able to produce a document that analyzes the lived experiences and struggles of a racial and ethnic community by applying major theories and concepts of ethnic studies.

#### ETHS 5 Psychology of Race and Identity

- Upon completion of PSYC 21, the student will be able to appraise one's own ethnic/cultural origins and one's biases towards certain groups.
- Upon completion of PSYC 21, the student will be able to compare and contrast research biases in the study of individuals from diverse populations.
- Upon completion of PSYC 21, the student will be able to compare and contrast the effects of prejudice, stereotyping, and discriminatory attitudes and behaviors upon majority and minority groups.
- Upon completion of PSYC 21, the student will be able to describe skills that enhance cross-cultural communication, interactions, and relationships.
- Upon completion of PSYC 21, the student will be able to describe stressors related to acculturation into a new society.
- Upon completion of PSYC 21, the student will be able to explain how culture affects the conceptualization of mental health, symptomology and help seeking behaviors.

#### ETHS 6 Introduction to Race and Ethnicity

- Upon completion of ETHNS 6, the students should be able to analyze current or historical racial and ethnic group relations using sociological theory.
- Upon completion of ETHNS 6, the students should be able to conduct a research assignment using a multi-model sociological approach.
- Upon completion of ETHNS 6, the students should be able to outline relevant sociological theories to accurately explain how race and ethnicity are socially constructed.
- Upon completion of ETHNS 6, the students should be able to produce a document that connects sociological research methods to sociological theory.

#### ETHS 20 Introduction to Asian and Pacific Islander American Studies

# CSLOS

- Upon completion of ETHS 20, the students should be able to identify major concepts and theories of ethnic studies.
- Upon completion of ETHS 20, the students should be able to apply standpoints of Asian and Pacific Islander American communities to describe their lived experiences and struggles.
- Upon completion of ETHS 20, the students should be able to critically analyze the intersection of race and ethnicity with other forms of social differences in Asian and Pacific Islander American communities.
- Upon completion of ETHS 20, the students should be able to evaluate active engagement with anti-racist and anti-colonial social justice movements in Asian and Pacific Islander American communities.
- Upon completion of ETHS 20, the students should be able to produce a document that analyzes the lived experiences and struggles of Asian and Pacific Islander American communities by applying major theories and concepts of ethnic studies.

## ETHS 30 Introduction to Chicanx and Latinx Studies

- Upon completion of ETHS 30, the students should be able to identify major concepts and theories of ethnic studies.
- Upon completion of ETHS 30, the students should be able to apply standpoints of Chicanx and Latinx American communities to describe their lived experiences and struggles.
- Upon completion of ETHS 30, the students should be able to critically analyze the intersection of race and ethnicity with other forms of social differences in Chicanx and Latinx American communities.
- Upon completion of ETHS 30, the students should be able to evaluate active engagement with anti-racist and anti-colonial social justice movements in Chicanx and Latinx American communities.
- Upon completion of ETHS 30, the students should be able to 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.

## ETHS 40 Introduction to Native American and Indigenous Studies

- Upon completion of ETHS 40, the students should be able to identify major concepts and theories of ethnic studies.
- Upon completion of ETHS 40, the students should be able to apply standpoints of Native American communities to describe their lived experiences and struggles.
- Upon completion of ETHS 40, the students should be able to critically analyze the intersection of race and ethnicity with other forms of social differences in Native American communities.
- Upon completion of ETHS 40, the students should be able to evaluate active engagement with anti-racist and anti-colonial social justice movements in Native American communities.
- Upon completion of ETHS 40, the students should be able to produce a document that analyzes the lived experiences and struggles of Native American communities by applying major theories and concepts of ethnic studies.

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## Film Studies

Division: A&H (Arts & Humanities)

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### CSLOs

- No CSLOs

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## Fire Service Technology

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



# CSLOS

## CSLOs

### FST 1 Fire Protection Organization

- Upon completion of AUTO A9, the student should be able to diagnose and repair diesel engine mechanical systems.
- Upon completion of AUTO A9, the student should be able to diagnose and repair diesel turbo systems.
- Upon completion of AUTO A9, the student should be able to diagnose and repair electronic diesel system.

### FST 2 Principles of Fire and Emergency Services Safety and Survival

- Upon completion of AUTO A9, the student should be able to diagnose and repair diesel engine mechanical systems.
- Upon completion of AUTO A9, the student should be able to diagnose and repair diesel turbo systems.
- Upon completion of AUTO A9, the student should be able to diagnose and repair electronic diesel system.

### FST 3 Fire Behavior and Combustion

- Upon completion of AUTO A9, the student should be able to diagnose and repair diesel engine mechanical systems.
- Upon completion of AUTO A9, the student should be able to diagnose and repair diesel turbo systems.
- Upon completion of AUTO A9, the student should be able to diagnose and repair electronic diesel system.

### FST 4 Fire Prevention

- Upon completion of FST 4, the student will be able to define the national fire problem including causes, damages, and public and firefighter fatalities.
- Upon completion of FST 4, the student will be able to explain the responsibilities and functions of the fire prevention bureau in relationship to the fire department organizational structure.
- Upon completion of FST 4, the student will be able to identify local, state and federal fire prevention organizations and regulatory agencies.
- Upon completion of FST 4, the student will be able to 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 FST 5, the student will be able to describe fire protection systems in various structures and the history of sprinkler ordinances and legislation.
- Upon completion of FST 5, the student will be able to describe the components of a fire alarm system and different types of detectors and how they detect fire.
- Upon completion of FST 5, the student will be able to explain the operation and application of portable fire extinguishing systems.
- Upon completion of FST 5, the student will be able to identify the components of sprinkler, standpipe and foam systems.

### FST 6 Building Construction for Fire Protection

- Upon completion of FST 6, the student will be able to analyze the hazards and tactical considerations associated with the various types of building construction.
- Upon completion of FST 6, the student will be able to explain the different loads and stresses that are placed on a building and their interrelationships.
- Upon completion of FST 6, the student will be able to identify major types of building construction.
- Upon completion of FST 6, the student will be able to identify the indicators of potential structural failure as they relate to firefighter safety.

### FST 7 Fire Service Conditioning & Physical Agility Development

- No updated CSLOs

### FST 8 Fire Strategy and Tactics

# CSLOS

- Upon completion of AUTO A9, the student should be able to diagnose and repair diesel engine mechanical systems.
- Upon completion of AUTO A9, the student should be able to diagnose and repair diesel turbo systems.
- Upon completion of AUTO A9, the student should be able to diagnose and repair electronic diesel system.

## FST 10 Fire Academy and Preparation

- No updated CSLOS

## FST 11C Standalone Firefighter I Skills Practice and Testing

- Upon completion of FST 11C, the student should be able to identify and apply concepts and skills found in the current Firefighter I curriculum in the state of California and outside of California with those states that offer reciprocity.

## FST 12 LPC Regional FIRE Academy- Firefighter 1 and Firefighter 2

- Upon completion of FST 12A, the student should be able to identify, respond to, and mitigate an incident involving fire inside a structure

## FST 13 LPC Regional FIRE Academy- Firefighter 2 Module

- Upon completion of FST 13, the student should be able to identify and apply concepts and skills found in the current Firefighter II curriculum in the state of California and outside of California with those states that offer reciprocity.

## FST 20 CO 2A Human Resource Management for Company Officers

- Upon completion of FST 20, the student should be able to apply and follow policies and procedures.
- Upon completion of FST 20, the student should be able to apply safety regulations at the unit level, complete required reports, conduct in-service training, and convey member responsibilities.
- Upon completion of FST 20, the student should be able to analyze a member's accident, injury, or health exposure history, and to prepare a report including that includes action taken and recommendations for a supervisor.

## FST 21 CO 2B General Administrative Functions for Company Officers

- Upon completion of FST 21, the student should be able to develop a policy or procedure that identifies a problem and proposes a solution.
- Upon completion of FST 21, the student should be able to explain the process to for resolving community and citizen complaints or concerns.

## FST 22 CO 2C Fire Inspections and Investigation for Company Officer

- Upon completion of FST 22, the student should be able to explain the policies and procedures for conducting fire inspections in commercial, residential, and hazardous material occupancies.
- Upon completion of FST 22, the student should be able to distinguish the differences between a suspected incendiary, and an accidental fire.

## FST 23 CO 2D All- Risk Command Operations for Company Officers

- Upon completion of FST 23, the student should be able to develop and implement an incident action plan for a simulated emergency scene.
- Upon completion of FST 23, the student should be able to develop, implement and assess an after-action review plan.

## FST 24 CO 2E Wildland Incident Operations for Company Officers

- Upon completion of FST 24, the student should be able to develop and implement an incident action plan for a simulated wildland fire or a wildland-urban interface scene.
- Upon completion of FST 24, the student should be able to analyze and explain incident needs in accordance with agency policies and procedures.

## FST 25 Instructor 1

# CSLOS

- Upon completion of FST 25, the student should be able to develop, present, and assess a lecture in fire service technology.
- Upon completion of FST 25, the student should be able to explain the technological needs and requirements of a fire service technology program.

## FST 26 Ethical Leadership for Fire and Emergency Services Instructors

- No updated CSLOS

## FST 30 Basic Firefighter Skills and Update

- Upon completion of FST 30, the student should be able to demonstrate and show proficiency in the current Firefighter I curriculum skills.

## FST 31 Intermediate Firefighter Skills and Update

- Upon completion of FST 31, the student should be able to explain and implement fire suppression techniques for various materials.

## FST 32 Advanced Hazmat Wildland Training for Firefighters

- Upon completion of FST 32, the student should be able to explain proper wildland fire suppression techniques.
- Upon completion of FST 32, the student should be able to explain proper hazmat materials containment and mitigation techniques.

## FST 160 Fire Apparatus Driver/Operator 1A

- Upon completion of FST 100, the student should be able to recall the State Vehicle Code concerning emergency vehicle operations.
- Upon completion of FST 100, the student should be able to distinguish fire apparatus safety features.
- Upon completion of FST 100, the student should be able to describe the fire apparatus engineer's responsibilities and duties.

## FST 161 Pumping Apparatus Operations 1B

- Upon completion of FST 161, the student should be able to distinguish and recall fire apparatus safety features.
- Upon completion of FST 161, the student should be able to identify and demonstrate operating principles of pumpers.
- Upon completion of FST 161, the student should be able to relate fire apparatus maintenance goals, schedules, and practices.

## FST 162 Wildland Fire Apparatus Operation

- Upon completion of FST 162, the student should be able to differentiate the strategies and tactics involved with basic wildland firefighting, structural firefighting, and vehicle firefighting.
- Upon completion of FST 162, the student should be able to describe and demonstrate the use of lifesaving techniques, hoses, and equipment for self-survival in the event of fire over-run or other firefighting emergencies.
- Upon completion of FST 162, the student should be able to operate hoses and specialized tools for structural firefighting and wildland clearing and digging.

## FST 163 Fire and Emergency Services Instructor 2

- Upon completion of FST 163, the student should be able to develop cognitive and psycho-motor lesson plans and tests in accordance with the latest concepts in career education.
- Upon completion of FST 163, the student should be able to evaluate teaching and learning efficiency.
- Upon completion of FST 163, the student should be able to develop, receive feedback, and finalize instructional materials to deliver a teaching demonstration.

## FST 164 Fire Fighter Rescue and Rapid Intervention Crew (RIC) Operations

- Upon completion of FST 104, the student should be able to describe the history of firefighter injuries and fatalities at structure fires.

# CSLOS

- Upon completion of FST 104, the student should be able to demonstrate knowledge and techniques of Rapid Intervention Crews.
- Upon completion of FST 104, the student should be able to critically apply techniques of self-survival.

## FST 165 ICS 300: Intermediate Incident Command System for Expanding Incidents

- Upon completion of FST 105, the student should be able to recognize the responsibilities of each ICS organizational element.
- Upon completion of FST 105, the student should be able to list the ICS positions and describe the roles and responsibilities of deputies and assistants.
- Upon completion of FST 105, the student should be able to describe ICS reporting and working relationships for technical specialists and agency representatives.

## FST 166 ICS 400: Advanced ICS for Command and General Staff Complex Incidents

- Upon successful completion of FST 166, the student should be able to explain how major incidents engender special management challenges.
- Upon successful completion of FST 166, the student should be able to describe the circumstances in which an Area Command is established.
- Upon successful completion of FST 166, the student should be able to describe the circumstances in which Multi-Agency Coordination Systems are established.

## FST 167 Incident Management of the Fire Fighter Emergency

- Upon successful completion of FST 68, the student should be able to identify the eight functions/standards of command.
- Upon successful completion of FST 68, the student should be able to identify the warning signs of a pending RIC deployment.
- Upon successful completion of FST 68, the student should be able to implement the incident command and RIC division/group/ branch's procedures to address the fire fighter emergency.

## FST 168 Chief Officer 3A Human Resource Management for Chief Fire Officers

- Upon successful completion of FST 168, the student should be able to develop a plan for providing an employee accommodation, including adequate information to justify the requested change(s).
- Upon successful completion of FST 168, the student should be able to develop procedures for hiring members, ensuring a valid and reliable process.
- Upon successful completion of FST 168, the student should be able to develop a measurable accident and injury prevention program, evaluating results to determine program effectiveness.
- Upon successful completion of FST 168, the student should be able to define the requirements of the California Firefighters Procedural Bill of Rights Act as they apply to the roles and responsibilities of the Chief Fire Officer.

## FST 169 Chief Officer 3B Budget and Fiscal Responsibilities for Chief Fire Officers

- Upon successful completion of this course, the student should be able to: Develop a budget management system to keep the division or department within the budgetary authority.
- Upon successful completion of this course, the student should be able to: Develop a divisional or departmental budget, determining and justifying capital, operating, and personnel costs.
- Upon successful completion of this course, the student should be able to: Describe the agency's process for ensuring competitive bidding, including developing requests for proposal (RFPs) and soliciting and awarding bids.

## FST 170 Chief Officer 3C General Administration Functions for Chief Fire Officers

- Upon successful completion of this course, the student should be able to: Analyze and interpret records and data to determine validity and recommend improvements.
- Upon successful completion of this course, the student should be able to: Develop a model plan for continuous organizational improvement, maximizing resource utilization.
- Upon successful completion of this course, the student should be able to: Evaluate the inspection program of the agency having jurisdiction, assessing results to determine effectiveness.

# CSLOS

## FST 171 Chief Officer 3D Command of Expanding All Hazard Incidents for Chief Fire Officers

- Upon successful completion of this course, the student should be able to: Identify jurisdictional authority and apply the appropriate agreements to an expanding incident.
- Upon successful completion of this course, the student should be able to: Describe the incident commander's responsibility to provide logistical incident support for the current and subsequent operational periods.
- Upon successful completion of this course, the student should be able to: Develop and conduct a post incident analysis in order to identify and communicate all required critical elements.

## French

Division: A&H (Arts & Humanities)

### CSLOs

#### FREN 1A Beginning French

- Upon completion of FREN 1A, the student should be able to communicate orally at the beginning level.
- Upon completion of FREN 1A, the student should be able to comprehend spoken French at the beginning level.
- Upon completion of FREN 1A, the student should be able to write at the beginning level.

#### FREN 1B Elementary French

- Upon completion of FREN 1B, the student should be able to communicate orally at the advanced-beginning level.
- Upon completion of FREN 1B, the student should be able to comprehend spoken French at the advanced-beginning level.
- Upon completion of FREN 1B, the student should be able to write at the advanced-beginning level.

## Geography

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

### CSLOs

#### GEOG 1 Introduction to Physical Geography

- Upon completion of GEOG 1, students will be able to understand the difference between divergent, convergent and transform plate boundaries.
- Upon completion of GEOG 1, students will be able to understand the global wind patterns and how they form.
- Upon completion of GEOG 1, students will be able to understand the reasons why the seasons change.

#### GEOG 1L Introduction to Physical Geography Laboratory

- Upon completion of GEOG 1L, students will be able to diagram and identify (explain) earth / sun relations).
- Upon completion of GEOG 1L, students will be able to identify major climate controls and be able to explain why certain climates are located where they are.
- Upon completion of GEOG 1L, students will be able to 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 GEOG 2, students will be able to define, describe and explain the Multi-Nuclei model or urban development.
- Upon completion of GEOG 2, students will be able to differentiate between the different types of cultural diffusion.

# CSLOS

- Upon completion of GEOG 2, students will be able to explain the Demographic Transition Model.

## GEOG 5 World Regional Geography

- Upon completion of GEOG 5, students will be able to locate and label on a map different cities of the world as discussed in class.
- Upon completion of GEOG 5, students will be able to locate and label on a map different rivers and landforms of the world as discussed in class.
- Upon completion of GEOG 5, students will be able to locate and label on a map the different countries of the world as discussed in class.

## GEOG 8 Introduction to Atmospheric Science

- Upon completion of GEOG 12, students will be able to identify different California cities, rivers, landforms on a blank map.
- Upon completion of GEOG 12, students will be able to identify different canals in California and state if they are federal, state or privately controlled.
- Upon completion of GEOG 12, students will be able to identify the different climates that exist in California.

## GEOG 12 Geography of California

- Upon completion of GEOG 12, students will be able to identify different California cities, rivers, landforms on a blank map.
- Upon completion of GEOG 12, students will be able to identify different canals in California and state if they are federal, state or privately controlled.
- Upon completion of GEOG 12, students will be able to identify the different climates that exist in California.

## GEOG 15 Introduction to GIS

- Upon completion of GEOG 15, students will be able to produce a printed map which demonstrates the basic concepts of cartographic design.

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## Global Studies

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

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### CSLOs

#### GS 1 Introduction to Global Studies

- Upon completion of SOC 5, the students should be able to analyze a current event using a variety of international news sources.
- Upon completion of SOC 5, the students should be able to apply world systems theory to explain global phenomena.
- Upon completion of SOC 5, the students should be able to identify concrete examples of the various ways that culture is globalized.
- Upon completion of SOC 5, the students should be able to produce an academic document which connects sociological research methods to globalization theory.

#### GS 2 Political, Economic, and Cultural Globalization

- Upon completion of GS 2, students will be able to describe how global issues are often narrowly understood in terms of a nation's domestic interests but must also be understood transnationally.
  - Upon completion of GS 2, students will be able to research and analyze the causes of a global issue, providing an assessment of the best ideas on how to solve it.
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# CSLOS

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## Graphic Design Digital Media

Division: A&H (Arts & Humanities)

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### CSLOs

#### GDDM 2 Wordpress and Content Management Systems

- Upon completion of GDDM 2, the student should be able to determine the best content management system to use for a given web development project.
- Upon completion of GDDM 2, the student should be able to develop dynamic websites using content management systems.
- Upon completion of GDDM 2, the student should be able to install and set up WordPress and other content management systems such as Joomla and Drupal.
- Upon completion of GDDM 2, the student should be able to PHP and JavaScript/jQuery to create child and a basic custom theme in WordPress.

#### GDDM 3 History of Graphic Design

- Upon completion of GDDM 3, the student should be able to identify and discuss the basic historical influences of modern design in architecture, industrial design, graphic design, and interior design.
- Upon completion of GDDM 3, the student should be able to identify and discuss the role of design in contemporary society.
- Upon completion of GDDM 3, the student should be able to identify, compare, and discuss the major historical design movements of the 20th century.

#### GDDM 4 User Interface and User Experience Design

- Upon completion of GDDM 4, the student should be able to develop interfaces for various device types by following standard User Experience Design principles and techniques.
- Upon completion of GDDM 4, the student should be able to discuss and apply basic design principles as they apply to multimedia.
- Upon completion of GDDM 4, the student should be able to discuss and apply the basic principles of information architecture.
- Upon completion of GDDM 4, the student should be able to generate documents related to User Experience Design such as wireframes and personas.

#### GDDM 29 Independent Study, Graphic Design & Digital Media

- Develop skills and knowledge that reinforce, or expand upon, class concepts.
- Apply knowledge of principles of design and demonstrate technical production skills in work-based projects.
- Create properly designed digital files for delivery to clients.

#### GDDM 40 Design Shop: The Business of Design

- Upon completion of GDDM 40, the student should be able to complete a project from concept to conclusion alone or in a team, to deadline, and to client's stated criteria, with disciplined control and craftsmanship.
- Upon completion of GDDM 40, the student should be able to explain the components of the design business, both front and back end.
- Upon completion of GDDM 40, the student should be able to lead client presentations at the professional-level, including an ability to discuss objectives, research, conceptual process and strategies, and lead critique and feedback sessions using industry-standard terminology.
- Upon completion of GDDM 40, the student should be able to use Adobe Creative Suite software with ease and facility at the advanced level.

#### GDDM 45A Digital Painting I

- Upon completion of GDDM 45A, the student should be able to compare and contrast different available software and hardware tools for digital painting.

# CSLOS

- Upon completion of GDDM 45A, the student should be able to compose paintings with the elements and principles of visual art and design.
- Upon completion of GDDM 45A, the student should be able to paint with a variety of techniques and software.
- Upon completion of GDDM 45A, the student should be proficient with digital painting software and techniques.

## GDDM 45B Digital Painting II

- Upon completion of GDDM 45B, the student should be able to apply principles of color theory and practical color mixing (accurately depict the effects of color temperature on local colors, effects of atmospheric perspective, effects of light and shadow).
- Upon completion of GDDM 45B, the student should be able to create images demonstrating dynamic composition.
- Upon completion of GDDM 45B, the student should be able to create images that effectively communicate elements of storytelling in the image.
- Upon completion of GDDM 45B, the student should be able to draw and paint from reference images and from imagination using digital tools.

## GDDM 50 Introduction to Adobe Digital Tools

- Upon completion of GDDM 50, the student should be able to define a verbal concept as spatial and proportional relationships; refine concept as an abstract or pictorial image; work through multiple revisions; present and defend image in instructor critique.
- Upon completion of GDDM 50, the student should be able to understand design as a visual language that is built on fundamental principles and elements.

## GDDM 51 Color Theory

- Upon completion of GDDM 51, students 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.
- Upon completion of GDDM 51, students should be able to explain the difference between additive and subtractive color models and identify the appropriate instances to use each color model.
- Upon completion of GDDM 51, students should be able to make compositional decisions using color as the main design element by selecting colors appropriate to a project's design and communication goals.
- Upon completion of GDDM 51, students should be able to recognize traditional color schemes and color relationships when looking at color combinations

## GDDM 52 Introduction to Typography

- A student who successfully completes GDDM 52 will be able to describe how type is used in graphic design, describe the relationship between type and the visual message it conveys and manipulate type for effect (e.g., to create a mood, to make an impact).
- A student who successfully completes GDDM 52 will be able to design effective page layouts using appropriate typesetting techniques such as typeface choice, size, spacing, line length, and page grid.
- A student who successfully completes GDDM 52 will be able to identify and use terminology related to the anatomy of letters, and describe how these elements are used to create and measure typefaces as well as identify type by classification and their place in history.
- A student who successfully completes GDDM 52 will be able to select typefaces appropriate to a project's design and communications goals and to use letterforms as design elements.

## GDDM 53 Adobe Photoshop I

- Upon completion of GDDM 53, the student should be able to create photographic montages using Adobe Photoshop.
- Upon completion of GDDM 53, the student should be able to use Photoshop tools to manipulate images for retouching, color correction, and basic adjustments.
- Upon completion of GDDM 53, the student should be able to use various tools for creating Selections, Mask, and Alpha Channels to isolate and manipulate images.

## GDDM 54 Adobe Illustrator I

- Upon completion of GDDM 54, students 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.



# CSLOS

- Upon completion of GDDM 54, students should be able to demonstrate understanding of the Pen Tool, individual anchor points, and Bezier handles, and be able to manipulate artwork on a point-by-point level.
- Upon completion of GDDM 54, students should be able to use Illustrator at the most basic level to create illustrations and simple graphic designs.
- Upon completion of GDDM 54, students will be able to work in the Illustrator interface with facility.

## GDDM 55 Web Design I

- Upon completion of GDDM 55, the student should be able to create and manipulate HTML and HTML5 and CSS within a HTML5 website.
- Upon completion of GDDM 55, the student should be able to create optimized digital artwork to be used within a HTML website.
- Upon completion of GDDM 55, the student should be able to exhibit an understanding of the utilization of time appropriate methodologies in producing website ready files. Build an html website with the optimized html code.
- Upon completion of GDDM 55, the student should be able to 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.
- Upon completion of GDDM 55, the student should be able to utilize image manipulation software to create an automated workflow in optimizing multiple images.

## GDDM 56 Introduction to Graphic Design

- Upon completion of GDDM 56, students should be able to critically analyze graphic design problems and artwork solutions.
- Upon completion of GDDM 56, students should be able to 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.
- Upon completion of GDDM 56, students should be able to 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.
- Upon completion of GDDM 56, students should be able to 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 57 Branding and Identity Design

- Upon successful completion of GDDM 57, students will be able to identify and understand the collaborative nature of the design process and the multiple areas of focus and/or specialization required to create professional design work, including project management, art direction, lead design, art production, as well as the outside talents such as writing, photography, illustration and calligraphy.

## GDDM 58 Photoshop II

- Upon completion of GDDM 58, the student should be able to apply design principles in relationship to digital image painting manipulation, illustration and other composition tasks.
- Upon completion of GDDM 58, the student should be able to compose and manipulate a variety of images from various sources into photo-realistic composites.
- Upon completion of GDDM 58, the student should be able to create accurate electronic files for delivery to screen (web, app development, multimedia) and print (prepress, photo prints).
- Upon completion of GDDM 58, the student should be able to generate special effects in Photoshop using filters, adjustment layers, layer masks, and layer effects.

## GDDM 59 Adobe Illustrator II

- Upon completion of GDDM 59, the student should be able to create artwork that is easy to revise and demonstrate the ability to modify by changing the color scheme, filters, and other appearance attributes.
- Upon completion of GDDM 59, the student should be able to incorporate raster images into their work and be able to develop their artwork using both raster and vector art.
- Upon completion of GDDM 59, the student should be able to set up a perspective grid using the perspective tools and apply the basic principals of linear perspective.

# CSLOS

## GDDM 60 Creative Portfolio Development & Self Promotion

- Upon completion of GDDM 60, the student should be able to make oral and visual presentations of their professional portfolios and self-promotional materials to industry standard.
- Upon completion of GDDM 60, the student should be able to prepare a personal portfolio and related self-promotional materials to industry standards for several possible practical applications.
- Upon completion of GDDM 60, the student should be able to prepare a personal résumé tailored to industry standards.
- Upon completion of GDDM 60, the student should be able to strategize effective self-promotion of ideas and skills for employment in the visual communications world.

## GDDM 62 Web Design II

- Upon completion of GDDM 62, the student should be able to apply JavaScript to a HTML5 website.
- Upon completion of GDDM 62, the student should be able to create an optimized responsive HTML5 website with CSS.
- Upon completion of GDDM 62, the student should be able to create HTML5 multiple video sources for a HTML5 website.

## GDDM 63 Website/Multimedia Production

- No updated CSLOs

## GDDM 64 Adobe InDesign I

- Upon completion of GDDM 64, the student should be able to apply the fundamental principals and considerations of page layout design by properly setting up a document to correct trim, bleed, margins, page count, and folds.
- Upon completion of GDDM 64, the student should be able to create an effective layout by combining text and images and manage all related art assets for press ready output.
- Upon completion of GDDM 64, the student should be able to effectively combine text and images into a single layout and manage all related art assets for final output.
- Upon completion of GDDM 64, the student should be able to effectively use type with appropriate consideration to typeface, style, size, location, and formatting in regards to legibility and readability of text.
- Upon completion of GDDM 64, the student should be able to 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.
- Upon completion of GDDM 64, the student should be able to 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 67 Adobe InDesign II

- Upon completion of GDDM 67, the student should be able to create "rich media" documents formultiplatform publishing environments, that include in a variety of digital formats that include interactive PDF, epub, or digital publishing, as well as traditional printing methods.
- Upon completion of GDDM 67, the student should be able to work with a commercial printer (either local or online) to produce the physical piece, and have it printed on press (either offset or digital).
- Upon completion of GDDM 67, the student should be able to use Style Sheets, Alternate Layouts, Layout Adjustment, and Liquid Layout features to create digital and print publications

## 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
- Upon completion of this course, the student should be able to use Lightroom's Camera Raw editing capabilities to modify and edit Photos
- Upon completion of this course, the student should be able to output a collection of photos to the web, photo printer, or 3rd party photo printing service
- Upon completion of this course, the student should be able to use photographic tools within Photoshop for advanced editing

# CSLOS

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## Health

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

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### CSLOs

#### HEA 1 Introduction to Personal Health

- Upon completion of Health 1, students will be able to identify their modifiable and non-modifiable risk factors for personal health.
- Upon completion of Health 1, students will be able to locate health information related to their individual behavior change process and evaluate the credibility of those sources.
- Upon completion of Health 1, students will be able to integrate and apply scientific research into their individual behavior change process.
- Upon completion of Health 1, students will feel empowered to implement positive health behaviors.

#### HEA 3 Women's Health

- Upon completion of Health 3, students will be able to evaluate health-related messages about women in popular media sources.
- Upon completion of Health 3, students will be able to identify and discuss sexual rights issues as related to sexual health and responsible sexual behavior.
- Upon completion of Health 3, students will be able to identify the modifiable and non-modifiable risk factors for health.
- Upon completion of Health 3, students will be able to integrate scientific research into her or his behavior change process.
- Upon completion of Health 3, students will be able to locate credible health information.

#### HEA 7 Introduction to Public Health

- Upon completion of Health 7, students will be able to discuss the multiple determinants of health.
- Upon completion of Health 7, students will be able to recognize the impact of policies, laws, and legislation on both individual and population health.
- Upon completion of Health 7, students will be able to recognize the importance of key events, studies, and milestones in the history and development of the field of public health.
- Upon completion of Health 7, students will be able to utilize credible sources of health data and information, and communicate that information to a wide range of audiences through an array of media.

#### HEA 11 Health and Social Justice

- Upon completion of Health 11, students will be able to discuss disparities in health outcomes in the United States.
- Upon completion of Health 11, students will be able to recognize the impacts of the unequal distribution of power, wealth and education, as well as race, socioeconomic status, and gender on health outcomes.
- Upon completion of Health 11, students will be able to utilize credible sources of health data and information, and communicate that information to a wide range of audiences through an array of media.

#### HEA 29 Independent Study, Health

- No updated CSLOs
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## History

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

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# CSLOS

## CSLOs

### HIST 1 Western Civilization to 1600

- Upon completion of HIST 1, students will 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.
- Upon completion of HIST 1, students will be able to explain the significance of major discoveries and developments in technology, science, art, architecture, and literature.
- Upon completion of HIST 1, students will be able to identify and distinguish the physical and political geography of Western Civilization.
- Upon completion of HIST 1, students will be able to interpret primary and secondary sources and to compose an argument which uses them, as appropriate, for support.

### HIST 2 Western Civilization since 1600

- Upon completion of HIST 2, students will be able to explain the major political, economic, social, and cultural developments in Western Civilization since 1600, their causes and effects, and their historical significance.
- Upon completion of HIST 2, students will be able to explain the significance of major discoveries and developments in technology, science, art, architecture, and literature.
- Upon completion of HIST 2, students will be able to identify and distinguish the physical and political geography of Western Civilization.
- Upon completion of HIST 2, students will be able to interpret primary and secondary sources and to compose an argument which uses them, as appropriate, for support.

### HIST 3 World History to 1500

- Upon completion of HIST 3, students will be able to explain political, economic, social, and cultural developments across natural, regional, and cultural boundaries before 1500.
- Upon completion of HIST 3, students will be able to explain the historical developments and practices of major belief systems in the world before 1500.
- Upon completion of HIST 3, students will be able to explain the impact humans had on the of the world's physical and natural environment before 1500.
- Upon completion of HIST 3, students will be able to explain the major discoveries and developments in technology, science, art, architecture, and literature before 1500.
- Upon completion of HIST 3, students will be able to 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 HIST 4, students will be able to explain political, economic, social, cultural, and environmental developments across natural, regional, and cultural boundaries since 1500.
- Upon completion of HIST 4, students will be able to explain the history of modern world civilizations through analytical categories of race, class, gender, ethnicity, and nationality.
- Upon completion of HIST 4, students will be able to identify the ways trade, migration, warfare, and cultural and biological exchanges have affected nations and societies since 1500.
- Upon completion of HIST 4, students will be able to interpret primary and secondary sources and to compose an argument which uses them, as appropriate, for support.

### HIST 7 US History Through Reconstruction

- Upon completion of HIST 7, students will 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.
- Upon completion of HIST 7, students will be able to explain the development of, and debates concerning, democracy and citizenship in the United States from its founding through Reconstruction.
- Upon completion of HIST 7, students will be able to Describe the origins, nature, development, and significance of slavery in the British colonies and the United States.
- Upon the completion of HIST 7, students will be able to describe the experiences of indigenous peoples of North America through Reconstruction.
- Upon completion of HIST 7, students will be able to analyze and interpret primary and secondary sources.

# CSLOS

- Upon completion of HIST 7, students will be able to construct an argument using historical evidence.

## HIST 8 US History Post-Reconstruction

- Upon completion of HIST 8, students will 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.
- Upon completion of HIST 8, students will be able to explain the development of, and debates concerning, democracy and citizenship in the U.S. since Reconstruction.
- Upon completion of HIST 8, students will be able to describe the major social movements in the U.S. since Reconstruction.
- Upon completion of HIST 8, students will be able to explain the United States' changing role in the world since Reconstruction.
- Upon completion of HIST 8, students will be able to analyze and interpret primary and secondary sources.
- Upon completion of HIST 8, students will be able to construct an argument using historical evidence.

## HIST 14 History and American Cultures of California

- Upon completion of HIST 14, students will be able to explain the historical significance of geography and environment in California.
- Upon completion of HIST 14, students will be able to explain the history of California through analytical categories of race, class, gender, ethnicity, and nationality.
- Upon completion of HIST 14, students will be able to explain the impact of California history on the economic, political, social, and cultural development of the United States.
- Upon completion of HIST 14, students will be able to explain the major political, economic, social, and cultural developments, their causes and effects, and their historical significance.
- Upon completion of HIST 14, students will be able to 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 HIST 25, students will 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.
- Upon completion of HIST 25, students will be able to identify and explain the historical antecedents of the major contemporary issues facing American Indians.
- Upon completion of HIST 25, students will be able to interpret primary and secondary sources relating to American Indian history and to compose a historical argument which uses them, as appropriate, for support.
- Upon completion of HIST 25, students will be able to identify and explain key individuals, events, turning points, and social and cultural patterns in American Indian history.

## HIST 28 History of American West

- Upon completion of HIST 28, students will be able to explain the historical significance of geography and environment in the American West.
- Upon completion of HIST 28, students will be able to explain the historical significance of the federal government in the American West.
- Upon completion of HIST 28, students will be able to explain the history of the American West through analytical categories of race, class, gender, ethnicity, and nationality.
- Upon completion of HIST 28, students will be able to explain the impact of western expansion on the economic, political, social, and cultural development of the United States.
- Upon completion of HIST 28, students will be able to interpret primary and secondary sources and to compose an argument which uses them, as appropriate, for support.

## HIST 32 U.S. Women's History

- Upon completion of HIST 32, students will be able to demonstrate skills in speaking and writing effectively while incorporating theoretical perspectives in Women's History and research methodology.
- Upon completion of HIST 32, students will be able to explain the significant social, cultural, and economic developments and their impact upon women's lives.

# CSLOS

- Upon completion of HIST 32, students will be able to interpret primary and secondary sources.

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## Horticulture

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

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### CSLOs

#### HORT 50 Introduction to Horticulture

- Upon completion of HORT 50, the student will be able to demonstrate a clear understanding of the photosynthetic process.
- Upon completion of HORT 50, the student will be able to propagate a plant by taking vegetative cuttings.
- Upon completion of HORT 50, the student will be able to propagate plants by germinating seeds and caring for seedlings.
- Upon completion of Hort. 50, the student will be able safely operate basic garden tools.

#### HORT 51 Fall Plant Material Identification

- Upon completion of HORT 51, the student will be able to choose appropriate plants based on their climatic needs.
- Upon completion of HORT 51, the student will be able to identify Fall landscape plants by their botanical and common names.
- Upon completion of HORT 51, the student will be able to select the proper care and maintenance of landscape plants.

#### HORT 52 Spring Plant Material Identification

- No updated CSLOs

#### HORT 53 Landscape and Vineyard Pest and Disease Management

- Upon completion of HORT 53, the student will be able to accurately identify common insect, weed pests, and plant diseases.
- Upon completion of HORT 53, the student will be able to design an Integrated Pesticide Program for Landscapes or Vineyards.

#### HORT 54 Landscape and Vineyard Soils, Fertilizers, and Irrigation

- Upon completion of HORT 54, the student will be able to demonstrate knowledge of soil amendments, soil substitutes, their use and application in landscapes and vineyards.

#### HORT 55 Greenhouse, Nursery, and Garden Center Management

- Upon completion of HORT 55, the student will be able to accurately describe the various specialties within the nursery industry.
- Upon completion of HORT 55, the student will be able to successfully grow, merchandise and sell plants.

#### HORT 56 Arboriculture/Urban Forestry

- Upon completion of HORT 56, the student will be able to research a tree assessment/survey and extract the knowledge contained therein to make sound tree maintenance decisions.
- Upon completion of HORT 56, the student will be able to safely demonstrate the proper, safe use and application of tools and equipment used specifically for arboriculture.
- Upon completion of HORT 56, the student will be able to understand how good quality nursery trees are selected and trained.

#### HORT 57 Landscape and Turfgrass Management

# CSLOS

- Upon completion of HORT 57, the student will be able to identify the species and varieties of turf grasses commonly used in Northern California.
- Upon completion of HORT 57, the student will be able to understand and communicate landscape maintenance industry standards and business practices.
- Upon completion of HORT 57, the student will demonstrate how to properly schedule and perform basic landscape turf maintenance tasks such as mowing, edging, nutritional amendments, and irrigation system adjustment and monitoring.

## HORT 58 Landscape Construction

- Upon completion of HORT 58, the student will be able to demonstrate knowledge of landscape design and plan reading.
- Upon completion of HORT 58, the student will be able to demonstrate understanding of basic landscape construction techniques.
- Upon completion of HORT 58, the student will be able to utilize construction materials, tools, and equipment safely.

## HORT 59 Landscape Design

- Upon completion of HORT 59, the student will be able to demonstrate graphics drawing skills for landscape architectural design.

## HORT 60 Landscape Irrigation Systems

- Upon completion of HORT 60, the student will be able to identify and install landscape irrigation components.
- Upon completion of HORT 60, the student will be able to read and prepare a landscape irrigation plan.
- Upon completion of HORT 60, the student will be able to repair common irrigation malfunctions.

## HORT 62 California Native and Dry Landscapes

- Upon completion of HORT 62, the student will be able to identify California Native and drought tolerant plants by their botanical and common names.
- Upon completion of HORT 62, the student will be able to identify principles and components of a drip irrigation system.
- Upon completion of HORT 62, the student will be able to prepare a basic plan for a drought tolerant landscape.

## HORT 63 Sustainable Landscape

- Upon completion of HORT 63, the student will be able to demonstrate knowledge of design and construction principles employed in sustainable landscaping.
- Upon completion of HORT 63, the student will be able to demonstrate understanding of landscape ecosystems.
- Upon completion of HORT 63, the student will be able to understand and utilize sustainable maintenance procedures.
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## HORT 67 Interior Plantscapes

- Upon completion of Hort 67 the student should be able to identify the interior plants used on the CCNPRO, California Certified Nursery Professional, exam.
- Upon completion of HORT 67 the student should be able to propagate interior plants using various propagation techniques.
- Upon completion of Hort 67 the student should be able to understand the physiological and psychological benefit of interior plants.

## HORT 71 Fundamentals of Hydroponics and Aquaponics

- Upon completion of this course, the student should be able to design and construct a basic aquaponic/hydroponic system, understand basic chemistry and biology of closed aquatic ecological systems, and demonstrate knowledge of safety and hygiene in handling of food products.

## HORT 73 Computer Aided Design

# CSLOS

- Upon completion of INTD 40, students will be able to execute a conception plan into the computer program from drawings to full plans, including 3D visual prints and animation.
- Upon completion of INTD 40, students will be able to use dimensions and measuring to achieve scales on computerized floor plans.
- Upon completion of INTD 40, students will be able to successfully print full size scaled drawings as completed set of plans.

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## Interior Design

Division: A&H (Arts & Humanities)

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### CSLOs

#### INTD 5 Principles of Interior Design

- Upon completion of INTD 5, students will be able to develop a color board to present to the client.
- Upon completion of INTD 5, students will be able to gather information to develop a board of wood species and stain colors to present to the client.

#### INTD 10 Introduction to Textiles

- Upon completion of INTD 10, students will be able to advise clients about color and texture of textile materials that will be compatible with other fabrics/materials throughout the design.
- Upon completion of INTD 10, students will be able to advise clients about wear and use of textiles.
- Upon completion of INTD 10, students will be able to recognize differences in textile aesthetics and create combinations that present visual logic, interest, and compatibility.

#### INTD 15 Drafting for Interior Design

- Upon completion of INTD 15, students will be able to design a floor plan based on conceptual bubble diagrams.
- Upon completion of INTD 15, students will be able to render drawings, calculate scale sizes of an elevation drawing.
- Upon completion of INTD 15, students will have the ability to measure, calculate and draw a room using standard drafting procedures.

#### INTD 20 History of Interiors/Furnishings

- Upon completion of INTD 20, students will be able to explain the contribution and value of past periods to current design practice.
- Upon completion of INTD 20, students will be able to identify interiors and furnishings by period and style.
- Upon completion of INTD 20, students will be able to recognize styles and major architectural influences.

#### INTD 25 Materials and Resources

- Upon completion of INTD 25, students will be able to analyze current uses of materials and locate resources in home application.
- Upon completion of INTD 25, students will be able to demonstrate presentation skills using a color board materials and citing resources for the "perfect" home.
- Upon completion of INTD 25, students will be able to identify materials in residential homes and call out the product type, size, and resource.

#### INTD 30 Fundamentals of Lighting

- Upon completion of INTD 30, students will be able to select appropriate lighting sources for specific uses in residential and commercial applications.
- Upon completion of INTD 30, students will demonstrate knowledge of the different categories of lighting: ambient, task, decorative, direct and indirect.



# CSLOS

- Upon completion of INTD30 students will learn the process by which fixtures selection should begin to include the proper scale and hanging heights.
- Upon completion of INTD30 students will understand existing residential lighting installations.
- Upon completion of INTD30 students will be able to show their ability to make proper fixture selections in a given space.

## INTD 35 Residential Space Planning

- Upon completion of INTD 35, students will be able to present accurately drawn floor plans and elevations with space planning criteria.
- Upon completion of INTD 35, students will be able to understand how to present before and after space plan drawings to present to clients.
- Upon completion of INTD 35, students will have the ability to work with clients to respond to their individual needs using a client profile and draw a complete home space plan and present to the client the best space plan solution.

## INTD 40 Computer Aided Design

- Upon completion of INTD 40, students will be able to execute a conception plan into the computer program from drawings to full plans, including 3D visual prints and animation.
- Upon completion of INTD 40, students will be able to use dimensions and measuring to achieve scales on computerized floor plans.

## INTD 45 Basic Kitchen and Bathroom Design

- Upon completion of INTD 45, students will be able to design a kitchen or bath with a recognition of codes and guidelines affecting safety and functionality for the user.
- Upon completion of INTD 45, students will be fully aware of the specific and unique challenges of kitchen and bath design.
- Upon completion of INTD 45, students will have knowledge of various mechanical/technical infrastructure within their floor plan.
- Upon completion of INTD 45, students will have the ability to write complete and correct materials and product specifications.

## INTD 47 Professional Practices

- Upon completion of INTD 47, students will be able to create strategic plans for operating a business using a contract and various business forms.
- Upon completion of INTD 47, students will have knowledge of methods of compensation, marketing, public relations, and advertising included in a business plan.
- Upon completion of INTD 47, students have the opportunity to engage with a designer to learn more about the business of Interior Design.

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## Italian

Division: A&H (Arts & Humanities)

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### CSLOs

- No updated CSLOs
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## Journalism and Media Studies

Division: A&H (Arts & Humanities)

# CSLOS

## CSLOs

### JAMS 1 Introduction to Mass Communications

- Upon completion of JAMS 1, the student will be able to create a comparative analysis of how different media outlets cover a single news story.
- Upon completion of JAMS 1, the student will be able to describe the history, social impact, economics, and regulation of Journalism and Media Studies.

### JAMS 2 Introduction to Media

- Upon completion of JAMS 2, the student will be able to analyze the differences between new media technologies and traditional forms of mass communication, such as radio, television, and film.
- Upon completion of JAMS 2, the student will be able to critically analyze the negative and positive impacts of technology on society.

### JAMS 3 Introduction to Public Relations

- Upon completion of JAMS 3, the student will 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 11 Introduction to Reporting and Newswriting

- Upon completion of JAMS 11, the student will be able to research and write a news story demonstrating skills in writing a lead, integrating quotations, showing balance, using proper mechanics and style, and conforming to industry standards of law, ethics, and taste.

### JAMS 12 Introduction to Photojournalism

- Upon completion of JAMS 12, the student will be able to demonstrate typology as a method of photographic documentation.

### JAMS 19A Journal of Arts, Literature, and Academic Writing A

- Upon completion of JAMS 19A, the student will be able to work with others to create a literary anthology, following a timeline for production, creating submission guidelines, soliciting submissions, assessing and selecting submissions, editing and formatting anthology content, and organizing an awards ceremony for contributors and contest winners.

### JAMS 19B Journal of Arts, Literature, and Academic Writing B

- Upon completion of JAMS 19B, the student will be able to work with others to create a literary anthology, following a timeline for production, creating submission guidelines, soliciting submissions, assessing and selecting submissions, editing and formatting anthology content, and organizing an awards ceremony for contributors and contest winners. At the B level of this course, increased proficiency is expected.

### JAMS 21A Express College Newspaper A

- Upon completion of JAMS 21A, the student will 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 JAMS 21B, the student will 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

# CSLOS

- Upon completion of JAMS 21C, the student will 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 JAMS 21D, the student will 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 JAMS 22, the student will 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.

## JAMS 23 Multimedia Reporting

- Upon completion of JAMS 23, the student will be able to produce video that presents local news in a professional manner.

## JAMS 24A Naked Magazine: College Magazine A

- Upon completion of JAMS 24A, the student will 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.
- Upon completion of JAMS 24A, the student will be able to design and edit stories and visuals in proper magazine style at a beginner level.

## JAMS 24B Naked Magazine: College Magazine B

- Upon completion of JAMS 24B, the student will be able to design and edit stories and visuals in proper magazine style at an intermediate level.

## JAMS 29 Independent Study, Journalism and Media Studies

- No updated CSLOs

## Kinesiology

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

### CSLOs

#### KIN 1 Sports Nutrition

- Upon completion of KIN 1, students will communicate nutrition information using credible resources.
- Upon completion of KIN 1, students will be able to analyze and evaluate dietary intake relative to government guidelines and recommendations for athletes.
- completion of KIN 1, students will describe the basic principles of nutrition as they relate to sports performance.

#### KIN 3 Sports in Films and Documentaries

- Discuss the use of tropes and clichés in sports movies by incorporating broad subject knowledge and perspectives.
- Identify the 5 disparate types of sports documentaries and explain why and how they are used.
- Identify theoretical strategies for critically analyzing sports movies and documentaries.

#### KIN 5 Sports Management

- Upon completion of KIN 5, students should be able to evaluate the value of an athletic scholarship when compared to the revenue generated by collegiate athletic programs.

# CSLOS

- Upon completion of KIN 5, students should be able to interpret performance data from a team/athlete and provide guidance to the coach based on your analysis.

## KIN 6 Personal Trainer

- Upon completion of KIN 6, students should be able to design a safe and effective workout program.
- Upon completion of KIN 6, students should be able to describe the role of a personal trainer in the scope of the allied health care profession.

## KIN 14 Responding to Emergencies: Comprehensive First Aid/CPR/AED

- Upon completion of KIN 14, students should be able to demonstrate bandaging and splinting techniques.
- Upon completion of KIN 14, students should be able to demonstrate cardiopulmonary resuscitation and the use of an AED.

## KIN 15 First Aid & Safety

- Upon completion of KIN 15, students should be able to demonstrate the ability to perform CPR with AED and rescue breathing.
- Upon completion of KIN 15, students should be able to perform first aid.

## KIN 16 The Successful Student Athlete

- Upon completion of KIN 16, students should be able to demonstrate knowledge of CCCAA regulations for eligibility and show an understanding of NCAA regulations for transfer and immediate eligibility.

## KIN 17 Introduction to Athletic Training and Sports Medicine

- Upon completion of KIN 17, students should be able to describe the components of taping applications for the purpose of joint stability and injury prevention.
- Upon completion of KIN 17, students should be able to list the roles and responsibilities of a Certified Athletic Trainer.
- Upon completion of KIN 17, students should be able to perform first aid and CPR with AED.

## KIN 18A Athletic Training Practicum 1

- Upon completion of KIN 18A, students should be able to demonstrate techniques in passive stretching.
- Upon completion of KIN 18A, students should be able to apply first aid and acute care for wounds and injuries.
- Upon completion of KIN 18A, students should be able to demonstrate appropriate taping techniques for joint stability and injury prevention.
- Upon completion of KIN 18A, students should be able to complete an injury evaluation.

## KIN 18B Athletic Training Practicum 2

- Upon completion of KIN 18B, students should be able to demonstrate proper organization and management of a clinical setting.
- Upon completion of KIN 18B, students should be able to apply therapeutic modalities.
- Upon completion of KIN 18B, students should be able to evaluate musculoskeletal injuries and perform orthopedic tests.
- Upon completion of KIN 18B, students should be able to demonstrate proper legal and ethical behaviors expected of clinical practitioners.

## KIN 19 Care and Prevention of Athletic Injuries

- Upon completion of KIN 19, students should be able to evaluate and recognize injury conditions.
- Upon completion of KIN 19, students should be able to describe methods for treating and rehabilitating athletic injuries.
- Upon completion of KIN 19, students should be able to design a basic rehabilitation program.

## KIN 22A Science of Soccer 1

- No updated CSLOs

# CSLOS

## KIN 24 Sport Psychology

- Upon completion of KIN 24, students should be able to describe the relationship between coach expectations and athlete performance.
- Upon completion of KIN 24, students should be able to identify guidelines for coaches for building team cohesion.

## KIN 26 Coaching Youth Soccer

- No updated CSLOs

## KIN 29A Independent Study, Intercollegiate Athletics

- No updated CSLOs

## KIN 29K Independent Study, Kinesiology

- No updated CSLOs

## KIN 29P Independent Study, Physical Education

- No updated CSLOs

## KIN 30 Introduction to Kinesiology

- Upon completion of KIN 30, students should be able to identify a number of career options following a degree in kinesiology.
- Upon completion of KIN 30, students should be able to identify programs of study within the field of Kinesiology.

## KIN 32A Fall Intercollegiate Men's Basketball

- Upon completion of KIN 32A, students will be able to communicate the responsibilities and assignments of each position on the basketball court from an offensive and defensive standpoint.
- Upon completion of KIN 32A, students will be able to demonstrate proper ball handling, passing, and shooting technique.
- Upon completion of KIN 32A, students will be able to demonstrate the physical training (i.e., strength, speed, conditioning) needed to compete at the intercollegiate level.

## KIN 32B Spring Intercollegiate Men's Basketball

- Upon completion of KIN 32B, the student will be able to diagram and to execute offensive sets that are utilized during the basketball season.
- Upon completion of KIN 32B, the student will be able to explain the strategies and tactics of basketball as it relates to certain opponents.
- Upon completion of KIN 32B, the student will be able to develop their own off-season skill and strength training program.

## KIN 32C Off Season Intercollegiate Men's Basketball

- Students will be able to develop their own offseason skills training program to help develop their basketball skills
- Students will demonstrate an understanding how to train during the offseason conditioning in preparation for competition at the intercollegiate level.
- Students will demonstrate an understanding of proper passing technique and be able to deliver a pass to a targeted location.
- The Student will be able to complete a ball handling routine through sets of cones setup on the basketball court within a set amount of time.
- The student will physically demonstrate a series of 10 finishing layups at the basket.

## KIN 37A Pre-Season Intercollegiate Men's Volleyball

- Upon completion of this course, the student should be able to explain and demonstrate how to properly train for an intercollegiate Volleyball season.
- Upon completion of this course, the student should be able to demonstrate proper offensive and defensive techniques and skills.

# CSLOS

- Upon completion of this course, the student should be able to explain general volleyball strategies and tactics.
- Upon completion of this course, the student should be able to explain the playing rules and decorum.
- Upon completion of this course, the student should be able to explain the responsibilities and assignments of each position on the volleyball court.

## KIN 37B Intercollegiate Men's Volleyball

- Upon completion of this course, the student should be able to explain what is required to participate in athletics at the intercollegiate level.
- Upon completion of this course, the student should be able to demonstrate physical training needed to compete at the intercollegiate level.
- Upon completion of this course, the student should be able to utilize competitive motivation in the development of work ethic.
- Upon completion of this course, the student should be able to demonstrate proper techniques and skills.
- Upon completion of this course, the student should be able to diagram offensive and defensive formations.

## KIN 37C Off Season Intercollegiate Men's Volleyball

- Reflect on their season and create an offseason training and conditioning program.
- Execute an off-season training and conditioning program that enhances strength, speed, agility, and skill.

## KIN 38A Pre-Season Intercollegiate Men's Soccer

- Upon completion of KIN 38A, students should be able to demonstrate effective defensive tactics.
- Upon completion of KIN 38A, students should be able to demonstrate effective offensive tactics.

## KIN 38B Intercollegiate Men's Soccer

- Upon completion of KIN 38B, students should be able to demonstrate an increase in fitness.
- Upon completion of KIN 38B, students should be able to understand and apply the laws of the game during an official soccer match.

## KIN 38C Post Season Intercollegiate Men's Soccer

- Upon completion of KIN 38C, students should be able to demonstrate effective defensive techniques.
- Upon completion of KIN 38C, students should be able to demonstrate effective offensive techniques.

## KIN 40A Pre-Season Intercollegiate Women's Volleyball

- Upon completion of KIN 40A, students should be able to describe the rules and regulations used in intercollegiate volleyball competitions.
- Upon completion of KIN 40A, students should be able to improve their fitness level.

## KIN 40B In Season Intercollegiate Women's Volleyball

- Upon completion of KIN 40B, students should be able to demonstrate appropriate offensive and defensive strategies to compete at the intercollegiate level.
- Upon completion of KIN 40B, students should be able to demonstrate and apply etiquette and sportsmanship during intercollegiate competition.
- Upon completion of KIN 40B, students should be able to demonstrate effective technical skills used in intercollegiate volleyball competitions.

## KIN 40C Off Season Intercollegiate Women's Volleyball

- Upon completion of KIN 40C, students should be able to effectively hit the ball in to certain parts of the volleyball court (deep line, tip short, angle).
- Upon completion of KIN 40C, students should be able to identify individual areas (technical or tactical) for improvement

## KIN 41A Pre-Season Intercollegiate Women's Basketball

- Upon completion of KIN 41A, students should be able to demonstrate an understanding of the language of basketball.

# CSLOS

- Upon completion of KIN 41A, students should be able to perform advance defensive phases of Basketball (zone and player to player defense in the half court and full court).
- Upon completion of KIN 41A, students should be able to perform advance offensive phases of Basketball (dribble, pass and shoot through team half court sets, transitional sets, press breakers and out of bounds plays).
- Upon completion of KIN 41A, students should be in the proper shape to compete at the collegiate level.
- Upon completion of KIN 41A, students should be prepared to tryout and possibly make the Las Positas College basketball team.

## KIN 41B Fall Intercollegiate Basketball- Women

- Upon completion of KIN 41B, students 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.
- Upon completion of KIN 41B, students should be able to 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 41C Spring Intercollegiate Basketball- Women

- Upon completion of KIN 41C, students should be able to identify correct rules, scoring and strategies for successful completion of an Intercollegiate Basketball game.
- Upon completion of KIN 41C, students should be able to demonstrate an understanding of advanced skills in basketball; dribbling through traffic on the court, passing under defensive pressure, shooting three point shots, rebounding, offensive screening and offensive moves to the basket.

## KIN 41D Off Season Intercollegiate Women's Basketball

- Upon completion of KIN 41D, students should be able to articulate and demonstrate advanced strategies used in basketball. The student will show an understanding of the rules, strategies, and sportsmanship involved in competitive basketball.
- Upon completion of KIN 41D, students should be able to demonstrate acquired offensive skills through competition: 4 out of 5 successful attempts (dribble & pass) and 2 out of 5 successful attempts (shooting) through half court sets, transitional sets, press breakers and out of bounds plays. Demonstrate acquired defensive skills through competition: 1 out of 2 successful attempts (zone & player to player) in the half court and full court.
- Upon completion of KIN 41D, students should be able to perform advance offensive phases of Basketball (dribble, pass and shoot through team half court sets, transitional sets, press breakers and out of bounds plays), and perform advance defensive phases of Basketball (zone and player to player defense in the half court and full court).

## KIN 44A Pre-Season Intercollegiate Women's Badminton

- Upon completion of KIN 44A, students should be able to describe the rules and regulations used in intercollegiate badminton competitions.
- Upon completion of KIN 44A, students should be able to improve their fitness level.

## KIN 44B Intercollegiate Women's Badminton

- Upon completion of KIN 44B, students should be able to demonstrate appropriate offensive and defensive strategies to compete at the intercollegiate level.
- Upon completion of KIN 44B, students should be able to demonstrate and apply etiquette and sportsmanship during intercollegiate competition.
- Upon completion of KIN 44B, students should be able to demonstrate effective technical skills used in intercollegiate badminton competitions.

## KIN 44C Off Season Intercollegiate Women's Badminton

- Upon completion of KIN 44C, students should be able to effectively hit the birdie in to certain parts of the badminton court.
- Upon completion of KIN 44C, students should be able to identify individual areas (technical or tactical) for improvement.

# CSLOS

## KIN 48A Pre-Season Intercollegiate Women's Soccer

- Upon completion of KIN 48A, students should be able to demonstrate effective defensive tactics.
- Upon completion of KIN 48A, students should be able to demonstrate effective offensive tactics.

## KIN 48B Intercollegiate Athletics: Women's Soccer

- Upon completion of KIN 48B, students should be able to demonstrate an increase in fitness level.
- Upon completion of KIN 48B, students should be able to understand and apply the laws of the game during an official soccer match.

## KIN 48C Off Season Intercollegiate Women's Soccer

- Upon completion of KIN 48C, students should be able to demonstrate effective defensive techniques.
- Upon completion of KIN 48C, students should be able to demonstrate effective offensive techniques.

## KIN 50A Pre-Season Intercollegiate Swimming & Diving

- Upon completion of KIN 50A, students should be able to demonstrate the ability to maintain good academic standing with a 2.0 GPA and 12 units.
- Upon completion of KIN 50A, students should be able to employ a pre-season weight program using principles of overload and progression.

## KIN 50B Intercollegiate Swimming & Diving

- Upon completion of KIN 50B, students should be able to demonstrate and apply etiquette and sportsmanship through intercollegiate competition.
- Upon completion of KIN 50B, students should be able to demonstrate the ability to compete and excel at the highest level of community college competition.
- Upon completion of KIN 50B, students should be able to demonstrate the ability to maintain good academic standing with a 2.0 GPA and 12 units.

## KIN 60 Intercollegiate Water Polo- Men's

- Upon completion of KIN 60, students should be able to demonstrate and apply etiquette and sportsmanship through intercollegiate competition.
- Upon completion of KIN 60, students should be able to demonstrate appropriate offensive and defensive strategies to compete at the intercollegiate level.
- Upon completion of KIN 60, students should be able to demonstrate effective throwing, catching, and shooting mechanics.

## Kin 61A Pre-Season Intercollegiate Water Polo

- Upon completion of KIN 61A the student will be able to demonstrate five different styles of shooting the water polo ball: forehand, backhand, skip shot, sweep shot, and lob shot.
- Upon completion of KIN 61A the student will be able to explain the water polo position numbers for a standard offense and 6-on-5 offense.

## KIN 61B Off Season Intercollegiate Water Polo

- Upon completion of KIN 61B, the student will be able to demonstrate five different styles of shooting the water polo ball: forehand, backhand, skip shot, sweep shot, and lob shot.
- Toggle the visibility of the item detail panel
- Upon completion of KIN 61B, the student will be able to explain the water polo position numbers for a standard offense and 6-on-5 offense.

## KIN 65 Intercollegiate Water Polo- Women's

- Upon completion of KIN 65, students should be able to demonstrate and apply etiquette and sportsmanship through intercollegiate competition.
- Upon completion of KIN 65, students should be able to demonstrate appropriate offensive and defensive strategies to compete at the intercollegiate level.



# CSLOS

- Upon completion of KIN 65, students should be able to demonstrate effective throwing, catching, and shooting mechanics.

## KIN AF1 Aerobic Fitness 1

- Upon completion of KIN AF1, students should be able to compare and contrast various methods of evaluating exercise intensity.
- Upon completion of KIN AF1, students should be able to demonstrate an increase in their cardiorespiratory fitness.
- Upon completion of KIN AF1, students should be able to safely use a variety of cardiovascular gym equipment.

## KIN AF2 Aerobic Fitness 2

- No updated CSLOs

## KIN AR1 Archery 1- Beginning Archery

- Upon completion of KIN AR1, students will be able to demonstrate the steps of shooting.
- Upon completion of KIN AR1, students will be able to identify and name the parts of the recurve bow and arrow.

## KIN BD1 Badminton 1

- Upon completion of KIN BD1, students should be able to assess strategies to apply maximum movement pressure on your opponent(s).
- Upon completion of KIN BD1, students should be able to identify when and how to apply defensive tactics to limit your opponent's attacking angles.

## KIN BD2 Badminton 2

- Upon completion of KIN BD2, students should be able to evaluate when to defend (lift) and wait for a better counter-attacking opportunity.
- Upon completion of KIN BD2, students should be able to recognize when to apply an attacking doubles formation, and when to apply a defensive formation.

## KIN BD3 Badminton 3

- Upon completion of KIN BD3, students should be able to illustrate the block defense and when to employ this strategy in doubles play.
- Upon completion of KIN BD3, students should be able to select when to apply movement pressure and when to hit to the middle.

## KIN BK1 Basketball 1

- Upon completion of KIN BK1, students should be able to demonstrate fundamental basketball skills.
- Upon completion of KIN BK1, students should be able to integrate the rules of basketball during full and half-court scrimmages.
- Upon completion of KIN BK1, students should be able to recognize basketball terminology.

## KIN BK2 Basketball 2

- Upon completion of KIN BK2, students should be able to demonstrate effective offensive and defensive basketball strategies.
- Upon completion of KIN BK2, students should be able to demonstrate intermediate technical basketball skills.

## KIN BK3 Basketball 3

- Students will be able to demonstrate advanced individual basketball skills and be able to perform in a competitive setting.

## KIN BK4 Basketball 4

- Students will be able to demonstrate advanced individual basketball skills and be able to perform in a competitive setting.

# CSLOS

## KIN BL1 Bowling 1

- Upon completion of KIN BL1, students should be able to differentiate the four basic shots in bowling.
- Upon completion of KIN BL1, students should be able to display appropriate bowling etiquette.

## KIN BL2 Bowling 2

- No updated CSLOs

## KIN BL3 Bowling 3

- Upon completion of BL3, students should be able to demonstrate the Four-Step Approach to bowling.

## KIN BL4 Bowling 4

- No updated CSLOs

## KIN BX1 Boxing Aerobics 1

- Upon completion of KIN BX1, students should be able to demonstrate an improvement in cardiovascular fitness.
- Upon completion of KIN BX1, students should be able to demonstrate proper form when performing punches and kicks.

## KIN BX2 Boxing Aerobics 2

- No updated CSLOs

## KIN BX3 Boxing Aerobics 3

- No updated CSLOs

## KIN CRT Cross Training

- Upon completion of KIN CRT, students should be able to demonstrate an increase in fitness level.
- Upon completion of KIN CRT, students should be able to describe the components of physical fitness.

## KIN CT1 Circuit Training 1

- No updated CSLOs

## KIN CYCL1 Cycling 1

- Upon completion of KIN CYCL1, students should be able to demonstrate safe and effective riding posture while seated on the stationary bike.
- Upon completion of KIN CYCL1, students should be able to compare and contrast various methods of evaluating exercise intensity.
- Upon completion of KIN CYCL1, students should be able to demonstrate an increase in their cardiorespiratory fitness.

## KIN CYCL2 Cycling 2

- Upon completion of KIN CYCL2, students should be able to demonstrate safe and effective riding posture while standing on the stationary cycle.
- Upon completion of KIN CYCL2, students should be able to demonstrate an increase in their cardiorespiratory fitness.
- Upon completion of KIN CYCL2, students should be able to measure and utilize their target heart rate ranges during a cycling workout.

## KIN CYCL3 Cycling 3

- Upon completion of KIN CYCL3, students should be able to demonstrate safe and effective riding posture during hills and sprints.
- Upon completion of KIN CYCL3, students should be able to increase their cardiorespiratory fitness.

# CSLOS

- Upon completion of KIN CYCL3, students should be able to utilize the rate of perceived exertion (RPE) scale as a way to estimate their target heart rate.

## KIN DA1 Dance Aerobics 1

- Upon completion of KIN DA1, students should be able to calculate target heart rate.
- Upon completion of KIN DA1, students should be able to demonstrate improved fitness level.

## KIN DV1 Springboard Diving

- Upon completion of KIN DV1, students should be able to demonstrate appropriate approach, hurdle, and takeoff for a forward dive.
- Upon completion of KIN DV1, students should be able to organize a six dive list.

## KIN ETD1 Eskrima- Tenio DeCuerdas 1

- Upon completion of KIN ETD1, the student should be able to perform beginning-level daga defenses.
- Upon completion of KIN ETD1, the student should be able to perform beginning-level footwork.
- Upon completion of KIN ETD1, the student should be able to perform beginning-level striking.

## KIN ETD2 Eskrima- Tenio DeCuerdas 2

- Upon completion of KIN ETD2, the student should be able to perform elementary-level daga defenses.
- Upon completion of KIN ETD2, the student should be able to perform elementary-level footwork.
- Upon completion of KIN ETD2, the student should be able to perform elementary-level striking.

## KIN ETD3 Eskrima- Tenio DeCuerdas 3

- Upon completion of KIN ETD3 a student should be able to perform intermediate-level striking.
- Upon completion of KIN ETD3, the student should be able to perform intermediate-level daga defenses.
- Upon completion of KIN ETD3, the student should be able to perform intermediate-level footwork.

## KIN ETD 4 Eskrima- Tenio DeCuerdas 4

- Upon completion of KIN ETD4, the student should be able to perform advanced-level daga defenses.
- Upon completion of KIN ETD4, the student should be able to perform advanced-level footwork.
- Upon completion of KIN ETD4, the student should be able to perform advanced-level striking.

## KIN FC Fitness Center

- Upon completion of KIN FC, students should be able to demonstrate proper operation procedures for various cardio and fitness equipment.
- Upon completion of KIN FC, students should be able to describe the components of physical fitness.
- Upon completion of KIN FC, students should be able to design a safe and effective exercise program.

## KIN FD Fitness Development

- Upon completion of KIN FD, students should be able to identify resting, training, and maximum heart rates.
- Upon completion of KIN FD, students should be able to plan a fitness development program to maintain and/or improve personal fitness.

## KIN FG1 Footgolf 1

- Upon completion of KINGF1, the student will be able to analyze the influence of alignment and grip on ball flight

## KIN FG2 Footgolf 2

- Upon completion of KINGF2, the student will be able to illustrate how a golfer creates lag in the golf swing

## KIN FG3 Footgolf 3

- Upon completion of KINGF3 the student will be able to assess the significance of the hip pivot movement and its role in creating distance in golf ball flight

# CSLOS

## KIN FGS1 Footgolf Summer 1

- Upon completion of KINGF1, the student will be able to analyze the influence of alignment and grip on ball flight

## KIN FGS2 Footgolf Summer 2

- Upon completion of KINGF2, the student will be able to illustrate how a golfer creates lag in the golf swing

## KIN FGS3 Footgolf Summer 3

- Upon completion of KINGF3 the student will be able to assess the significance of the hip pivot movement and its role in creating distance in golf ball flight

## KIN FJW1 Fitness Jog Walk 1

- Upon completion of KIN FJW1, students should be able to compare and contrast various methods of evaluating exercise intensity.
- Upon completion of KIN FJW1, students should be able to demonstrate an increase in their cardiorespiratory fitness.
- Upon completion of KIN FJW1, students should be able to demonstrate safe walking posture, gait, and foot placement while walking at an easy pace.

## KIN FJW2 Fitness Jog Walk 2

- Upon completion of KIN FJW2, students should be able to calculate the "Target Heart Rate Formula."
- Upon completion of KIN FJW2, students should be able to demonstrate an increase in their cardiorespiratory fitness.
- Upon completion of KIN FJW2, students should be able to demonstrate safe walking posture, gait, and foot placement while walking at a moderate pace.

## KIN FJW3 Fitness Jog Walk 3

- The student will be able to complete a training walk using accelerations every 100 yards.
- The student will be identify the nutritional needs for recreational or competitive events.
- Successful completion of this course should enable the student to calculate the "Target Heart Rate Formula."
- The student will be able to complete a mile distance while doing a combination of walking and jogging within 15 minutes
- The student will be able to complete one mile walking in under 20 minutes

## KIN FJW4 Fitness Jog Walk 4

- Upon completion of KIN FJW4, students should be able to design an effective warm up and cool down.
- Upon completion of KIN FJW4, students should be able to estimate their maximum heart rate and identify their target heart rate.
- Upon completion of KIN FJW4, students should be able to walk and jog safely and effectively as a way to exercise and develop their overall aerobic fitness level.

## KIN FL1 Flag Football 1

- Upon completion of KIN FL1, students should be able to demonstrate basic skills in passing and receiving.
- Upon completion of KIN FL1, students should be able to demonstrate knowledge of the general rules involved with the game of flag football.

## KIN FL2 Flag Football 2

- Upon completion of KIN FL2, students should be able to demonstrate knowledge of the rules involved with the game of 4-on-4 and 5-on-5 flag football.
- Upon completion of KIN FL2, students should be able to demonstrate offensive and defensive strategies for 4-on-4 and 5-on-5 flag football.

## KIN FL3 Flag Football 3

# CSLOS

- Upon completion of KIN FL3, students should be able to demonstrate knowledge of the rules involved with the game of 7-on-7 and 8-on-8 flag football.
- Upon completion of KIN FL3, students should be able to demonstrate use of offensive and defensive strategies used in 7-on-7 and 8-on-8 flag football.

## KIN FL4 Flag Football 4

- Upon completion of KIN FL4, students will be able to officiate a flag football game with appropriate hand signals.
- Upon completion of KIN FL4, students will be able to explain an offensive setup for a Cover 2 Zone defense in a 7v7 flag football game.

## KIN FNE1 Fencing- Epee 1

- Upon completion of KIN FNE1, students should be able to demonstrate beginning-level fencing footwork.
- Upon completion of KIN FNE1, students should be able to explain beginning fencing terminology.

## KIN FNE2 Fencing- Epee 2

- Upon completion of KIN FNE2, students should be able to demonstrate fencing footwork combinations.
- Upon completion of KIN FNE2, students should be able to demonstrate offensive tactical blade work.

## KIN FNF1 Fencing- Foil 1

- Upon completion of KIN FNF1, students should be able to demonstrate beginning-level fencing footwork.
- Upon completion of KIN FNF1, students should be able to explain beginning fencing terminology.

## KIN FNF2 Fencing- Foil 2

- Upon completion of KIN FNF2, students should be able to demonstrate fencing footwork combinations.
- Upon completion of KIN FNF2, students should be able to explain competitive fencing terminology.

## KIN GBW1 Guts and Butts Workout 1

- Upon completion of KIN GBW1, students should be able to demonstrate an increase in their core and glute strength.
- Upon completion of KIN GBW1, students should be able to demonstrate proper form during beginning level exercises that target the gluteal and abdominal musculature.
- Upon completion of KIN GBW1, students should be able to identify the major muscle groups of the gluteal and abdominal musculature.

## KIN GBW2 Guts and Butts Workout 2

- Upon completion of KIN GBW2, students should be able to demonstrate proper form doing during intermediate-level exercises that target the gluteal and abdominal musculature.
- Upon completion of KIN GBW2, students should be able to identify exercises that target the gluteal and abdominal musculature.
- Upon completion of KIN GBW2, students should be able to increase their core and glute strength

## KIN GBW3 Guts and Butts Workout 3

- Upon completion of KIN GBW 3, students should be able to demonstrate proper and safe form while doing intermediate/advanced strength training movements.
- Upon completion of KIN GBW3, students should be able to identify the major muscle groups of the body.

## KIN GBW4 Guts and Butts Workout 4

- Upon completion of KIN GBW4, students should demonstrate proper form while performing advanced strength training movements.
- Upon completion of KIN GBW4, students should be able create an effective full body strength training workout utilizing the 5 main movement patterns.

# CSLOS

## KIN GF1 Golf 1

- Upon completion of KIN GF1, students should be able to analyze the influence of alignment and grip on ball flight.
- Upon completion of KIN GF1, students should be able to distinguish between the overlapping, interlocking and ten-finger grips.

## KIN GF2 Golf 2

- Upon completion of KIN GF2, students should be able to identify the effects of a strong, weak and neutral grip.
- Upon completion of KIN GF2, students should be able to illustrate how a golfer creates lag in the golf swing.

## KIN GF3 Golf 3

- Upon completion of KIN GF3, students should be able to assess the significance of the hip pivot movement and its role in creating distance in golf ball flight.
- Upon completion of KIN GF3, students should be able to illustrate the appropriate sequence to start the downswing.

## KIN GF4 Golf 4

- Upon completion of KIN GF4, students will 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.
- Upon completion of KIN GF4, students will be able to assess the significance of the hip pivot movement and its role in creating distance in golf ball flight.

## KIN JDR1 Jujutsu- Danzan Ryu 1

- Upon completion of KIN JDR1, a student should be able to perform beginning-level ukemi.
- Upon completion of KIN JDR1, the student should be able to perform beginning-level trip throws.
- Upon completion of KIN JDR1, the student should be able to use beginning-level escapes.

## KIN JDR2 Jujutsu- Danzan Ryu 2

- Upon completion of KIN JDR2, the student should be able to perform beginning-level holds/controls.
- Upon completion of KIN JDR2, the student should be able to perform beginning-level sweep throws.
- Upon completion of KIN JDR2, the student should be able to perform elementary-level ukemi.

## KIN JDR3 Jujutsu- Danzan Ryu 3

- Upon completion of KIN JDR3, the student should be able to perform beginning pins/hold-downs.
- Upon completion of KIN JDR3, the student should be able to perform beginning-level reap throws.
- Upon completion of KIN JDR3, the student should be able to perform intermediate-level ukemi.

## KIN JDR4 Jujutsu- Danzan Ryu 4

- No updated CSLOs

## KIN LG Lifeguarding

- Upon completion of this course, the student should be able to demonstrate the essential skills for lifeguarding.

## KIN OM1 Optimal Movement 1

- No updated CSLOs

## KIN PF Personal Fitness

- Upon completion of KIN PF, students should enable the student to calculate the "Target Heart Rate Formula."
- Upon completion of KIN PF, students should be able to complete a mile distance while doing a combination of walking and jogging within 15 minutes.
- Upon completion of KIN PF, students should be able to complete one mile walking in under 20 minutes.

## KIN PIC1 Pickleball 1

# CSLOS

- Upon completion of KIN PIC1, the student should be able to demonstrate when and how to manipulate groundstrokes, execute volleys and disguise dinks.
- Upon completion of KIN PIC1, the student should be able to demonstrate knowledge of pickleball rules.
- Upon completion of KIN PIC1, the student should be able to apply Bandura's (1986) Self-Efficacy model to build confidence for pickleball.

## KIN PIC2 Pickleball 2

- Upon completion of KIN SD1, students should be able to conversant with the origins of Salsa and its historical and cultural context. This will be assessed by written final exam.
- Upon completion of KIN SD1, students should be able to 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 KIN PIC3, the student should be able to demonstrate when and how to execute spin shots and disguise your service return.
- Upon completion of KIN PIC3, the student should be able to demonstrate knowledge of when and how to utilize pickleball doubles strategies.
- Upon completion of KIN PIC3, the student should be able to apply Attribution Theory to pickleball performance.

## KIN PIC4 Pickleball 4

- Upon completion of KIN PIC4, the student should be able to demonstrate when and how to execute punch volleys, block volleys and drop volleys.
- Upon completion of KIN PIC4, the student should be able to demonstrate knowledge of attacking strategies incorporating the counter-attack and when to reset.
- Upon completion of KIN PIC4, the student should be able to apply imagery/ visualization to enhance pickleball performance.

## KIN PL1 Pilates 1

- Upon completion of KIN PL1, students should be able to demonstrate correct alignment for Pilates mat work.
- Upon completion of KIN PL1, students should be able to demonstrate neutral spine, c-shape, and scoop.

## KIN PL2 Pilates 2

- Upon completion of KIN PL2, students should be able to apply knowledge of core stabilization during Pilates exercises.
- Upon completion of KIN PL2, students should be able to correctly utilize Pilates props.
- Upon completion of KIN PL2, students should be able to demonstrate an increase in core strength.

## KIN SD1 Salsa Dance Aerobics 1

- Upon completion of KIN SD1, students should be able to conversant with the origins of Salsa and its historical and cultural context. This will be assessed by written final exam.
- Upon completion of KIN SD1, students should be able to perform the basic step, side step, openings, and couple hold. A skills analysis will be done to assess level of proficiency.

## KIN SI1 Soccer- Indoor 1

- Upon completion of KIN SD1, students should be able to conversant with the origins of Salsa and its historical and cultural context. This will be assessed by written final exam.
- Upon completion of KIN SD1, students should be able to perform the basic step, side step, openings, and couple hold. A skills analysis will be done to assess level of proficiency.

## KIN SI2 Soccer- Indoor 2

- Upon completion of KIN SI2, students should be able to demonstrate intermediate-level soccer skills.

## KIN SO1 Soccer- Outdoor 1

# CSLOS

- Upon completion of KIN SO1, students should be able to demonstrate beginning level proficiency in trapping, passing, dribbling, and shooting.
- Upon completion of KIN SO1, students should be able to demonstrate soccer knowledge including five phases of trapping, heading, kicking, passing, dribbling, and soccer formations.

## KIN SO2 Soccer- Outdoor 2

- Upon completion of KIN SO2, students should be able to demonstrate soccer knowledge including five phases of trapping, heading, kicking, passing, dribbling, and soccer field dimensions.
- Upon completion of KIN SO2, students should be able to evaluate, with use of video playback, individuals' soccer technique when demonstrating the: Push pass, driven pass, bent pass, shooting with laces, moves to beat the defender, 1v1 defending, and attacking and defensive heading.
- Upon completion of KIN SO2, students should be able to your opponent's tactic is to defend deep in numbers and counter-attack. Devise a practice and strategy that will prepare your team to outwit the opposition.

## KIN SW1 Swimming 1

- Upon completion of KIN SW1, students should be able to demonstrate competency of beginning level swimmers, including floating skills, and comfort in the water.
- Upon completion of KIN SW1, students should be able to demonstrate the basic techniques of freestyle and backstroke for 25 yards.
- Upon completion of KIN SW1, students should be able to demonstrate the basic techniques of elementary backstroke.

## KIN SW2 Swimming 2

- Upon completion of KIN SW2, students should be able to demonstrate competency of beginning-level swimming skills; including basic swim strokes (competitive and non-competitive) for 25 yards.
- Upon completion of KIN SW2, students should be able to illustrate the basic breathing technique for each of the four competitive strokes.

## KIN SW3 Swimming 3

- Upon completion of KIN SW3, students 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.
- Upon completion of KIN SW3, students should be able to utilize pace clocks to incorporate intervals in to a training regimen to enhance skill development.

## KIN SW4 Swimming 4

- No updated CSLOs

## KIN SWF1 Swimming for Fitness 1

- Upon completion of KIN SWF1, students should be able to illustrate a personalized training program based upon aquatic training principles.
- Upon completion of KIN SWF1, students should be able to demonstrate improvement in a timed swim.

## KIN SWF2 Swimming for Fitness 2

- Upon completion of KIN SWF2, students should be able to demonstrate a training methodology that will increase power and speed in swimming.
- Upon completion of KIN SWF2, students should be able to demonstrate improvement in a timed sprint swim.

## KIN SWF3 Swimming for Fitness 3

- Upon completion of KIN SWF3, students should be able to demonstrate an improvement in a timed 500 yard swim.
- Upon completion of KIN SWF3, students should be able to demonstrate an improvement in a timed mid-distance swim.
- Upon completion of KIN SWF3, students should be able to demonstrate threshold pace throughout a given set.



# CSLOS

## KIN SWF4 Swimming for Fitness 4

- Upon completion of KIN SWF4, students should be able to demonstrate improvement in a timed distance swim.
- Upon completion of KIN SWF4, students should be able to demonstrate the benefit of interval training and pacing through demonstrated improvement in a timed 20 minute swim.
- Upon completion of KIN SWF4, students should be able to identify the benefits of interval training and pacing as they relate to distance training.

## KIN TK1 Tae Kwon Do 1

- Upon completion of KIN TK1, students should be able to demonstrate Tae Kwon Do skills including stances, kicking, punching, blocks, forms, controlled sparring, and fitness level.
- Upon completion of KIN TK1, students should be able to practice Martial Arts Etiquette and demonstrate the traditional philosophies employed in Taekwondo.
- Upon completion of KIN TK1, students should be able to show skill performance and assessment on specific exercises and techniques: Gi Bon Poomse, Taeguk Il Jang, Taeguk Ee Jang in accordance with World Taekwondo Federation regulations.

## KIN TK2 Tae Kwon Do 2

- Upon completion of KIN TK2, students should be able to demonstrate respect, self defense and the way of the life.
- Upon completion of KIN TK2, students should be able to demonstrate Tae Kwon Do skills including stances, kicking, punching, blocks, forms, controlled sparring, and fitness level.

## KIN TK3 Tae Kwon Do 3

- Upon completion of KIN TK3, students should be able to demonstrate sufficient knowledge regarding the traditional philosophy of Taekwondo, emphasizing respect towards masters and senior ranks, discipline and self-control in certain situations, and deep-rooted connections between Korean culture and the martial art.
- Upon completion of KIN TK3, students should be able to demonstrate various "Poomsae" in a series of systematic movements set in pattern which are necessary for defense and attack.
- Upon completion of KIN TK3, students should be able to show mastery of fundamental kicking and hand techniques that are based on Olympic-style Taekwondo.

## KIN UF1 Ultimate Frisbee 1

- Upon completion of KIN UF1, students should be able to demonstrate beginning level catching, marking, and throwing skills.
- Upon completion of KIN UF1, students should be able to demonstrate improved cardiovascular endurance for the sport of ultimate.

## KIN UF2 Ultimate Frisbee 2

- Upon completion of KIN UF2, students should be able to demonstrate continued improvement of cardiovascular endurance for the sport of Ultimate.

## KIN UF3 Ultimate Frisbee 3

- Upon completion of KIN UF3, students should be able to demonstrate advanced-level catching, marking and throwing skills.
- Upon completion of KIN UF3, students should be able to maintain or improve cardiovascular fitness.

## KIN UF4 Ultimate Frisbee 4

- Upon completion of KIN UF4, students should be able to demonstrate effective tactics in the sport of ultimate frisbee.
- Upon completion of KIN UF4, students should be able to maintain or improve cardiovascular fitness.

## KIN VB1 Volleyball Beginning

- Upon completion of KIN VB1, students should be able to demonstrate cooperation and team work within round-robin play.

# CSLOS

- Upon completion of KIN VB1, students should be able to demonstrate knowledge of the basic terminology and skills needed to participate in volleyball.

## KIN VB2 Volleyball Intermediate

- Upon completion of KIN VB2, students should be able to demonstrate basic skills to include forearm passing, setting, attacking, digging, blocking, and serving.
- Upon completion of KIN VB2, students should be able to explain basic rules for indoor volleyball.
- Upon completion of KIN VB2, students should be able to perform agility footwork general to athletics and sport specific to volleyball.

## KIN VB3 Volleyball Advanced

- Upon completion of KIN VB3, students 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.
- Upon completion of KIN VB3, students should be knowledgeable of the collegiate and international rules of volleyball. A rules exam will be given during the course.

## KIN WP1 Water Polo 1

- Upon completion of KIN WP1, students should be able to demonstrate basic water polo skills: dribbling, passing, shooting.
- Upon completion of KIN WP1, students should be able to demonstrate knowledge of the rules of water polo.

## KIN WP2 Water Polo 2

- Upon completion of KIN WP2, students should be able to demonstrate and explain 2 Meter offensive strategies.
- Upon completion of KIN WP2, students should be able to interpret NCAA rules and regulations and apply them in a competitive situation.
- Upon completion of KIN WP2, students should be able to organize a basic counterattack defense and offense.

## KIN WP3 Water Polo 3

- Upon completion of KIN WP3, students should be able to arrange a series of speed/quickness drills to reach a stated objective.
- Upon completion of KIN WP3, students should be able to demonstrate the water polo individual medley.

## KIN WT1 Weight Training 1

- Upon completion of KIN WT1, students should be able to demonstrate proper form while performing beginning level weight training exercises.
- Upon completion of KIN WT1, students should be able to display appropriate gym etiquette.
- Upon completion of KIN WT1, students should be able to identify the major muscle groups utilized in weight training exercises.

## KIN WT2 Weight Training 2

- Upon completion of KIN WT2, students should be able to demonstrate an increase in muscular strength.
- Upon completion of KIN WT2, students should be able to demonstrate proper form while performing intermediate weight training exercises.
- Upon completion of KIN WT2, students should be able to identify which major muscle groups are activated during specific weight training exercises.

## KIN WTW1 Women's Weight Training 1

- Upon completion of KIN WTW1, students should be able to demonstrate appropriate weight room etiquette.
- Upon completion of KIN WTW1, students should be able to demonstrate proper form when executing beginning-level weight training exercises.
- Upon completion of KIN WTW1, students should be able to express weight training's benefits and effect on long-term health.

# CSLOS

## KIN WTW2 Women's Weight Training 2

- Upon completion of KIN WTW2, students should be able to distinguish between cardio equipment and musculoskeletal equipment to develop overall body endurance.
- Upon completion of KIN WTW2, students should be able to list 4 different circuits and the difference between each that is performed in class.

## KIN YO1 Yoga 1

- Upon completion of KIN YO1, students should be able to demonstrate an increase in their flexibility.
- Upon completion of KIN YO1, students should be able to demonstrate proper alignment in beginning level asanas.
- Upon completion of KIN YO1, students should be able to utilize various breathing techniques used in a yoga practice.

## KIN YO2 Yoga 2

- Upon completion of KIN YO2, students should be able to demonstrate proper alignment in intermediate level asanas.
- Upon completion of KIN YO2, students should be able to describe the benefits of breathing techniques used in a yoga practice.
- Upon completion of KIN YO2, students should be able to identify the eight limbs of yoga.

## KIN YO3 Yoga 3

- No SLOs defined

## KIN YO4 Yoga 4

- No SLOs defined

## KIN ZUM1 Zumba Fitness Workout 1

- Upon completion of KIN ZUM1, students should be able to analyze Latin and international dance movements and integrate them into an aerobic routine.

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## Library Skills

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

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### CSLOs

#### LIBR 1 Working with Sources

- Upon completion of LIBR 1, the student should be able to examine sources for characteristics that will impact its value as a research source; such as, currency, authorship, authority, relevance, bias, and purpose.
- Upon completion of LIBR 1, the student should be able to formulate citations in the appropriate format and style.
- Upon completion of LIBR 1, the student should be able to identify main ideas to be extracted from the information gathered.

#### LIBR 4 College Research Techniques

- Upon completion of LIBR 4, the student should be able to construct a search statement using topic relevant vocabulary in order to search with maximum effectiveness.
- Upon completion of LIBR 4, the student should be able to examine sources for characteristics that will impact its value as a research source; such as, currency, authorship, authority, relevance, bias, and purpose.
- Upon completion of LIBR 4, the student should be able to formulate citations in the appropriate format and style.

#### LIBR 5 College Research and Databases

# CSLOS

- Upon completion of LIBR 5, the student should be able to construct a search statement using topic relevant vocabulary in order to search with maximum effectiveness.
- Upon completion of LIBR 5, the student should be able to examine sources for characteristics that will impact its value as a research source; such as, currency, authorship, authority, relevance, bias, and purpose.
- Upon completion of LIBR 5, the student should be able to formulate citations in the appropriate format and style.

## LIBR 6 Research in Special Subjects

- Upon completion of LIBR 6, the student should be able to construct a search statement using topic relevant vocabulary in order to search with maximum effectiveness.
- Upon completion of LIBR 6, the student should be able to examine sources for characteristics that will impact its value as a research source; such as, currency, authorship, authority, relevance, bias, and purpose.
- Upon completion of LIBR 6, the student should be able to formulate citations in the appropriate format and style.

## LIBR 7 The Open Web and Search Engines

- Upon completion of LIBR 7, the student should be able to construct a search statement using topic relevant vocabulary in order to search with maximum effectiveness.
- Upon completion of LIBR 7, the student should be able to examine sources for characteristics that will impact its value as a research source; such as, currency, authorship, authority, relevance, bias, and purpose.
- Upon completion of LIBR 7, the student should be able to formulate citations in the appropriate format and style.

## LIBR 8 Research & Info. Literacy

- Upon completion of LIBR 8, the student should be able to construct a search statement using topic relevant vocabulary in order to search with maximum effectiveness.
- Upon completion of LIBR 8, the student should be able to examine sources for characteristics that will impact its value as a research source; such as, currency, authorship, authority, relevance, bias, and purpose.
- Upon completion of LIBR 8, the student should be able to formulate citations in the appropriate format and style.

## LIBR 29 Independent Study, Library Studies

- Upon completion of LIBR 29, students will be able to complete a project that increases their knowledge of library studies.
- Upon completion of LIBR 29, students will be able to recognize the value of information.
- Upon completion of LIBR 29, students will be able to contribute to scholarly conversation at an appropriate level.

## Liberal Arts and Sciences

Division: A&H (Arts & Humanities)

### CSLOs

- No updated CSLOs

## Marketing

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

### CSLOs

MKTG 50 Introduction to Marketing

- Upon completion of MKTG 50, the student will be able to categorize the four Ps of marketing.

# CSLOS

- 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 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 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.

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## Math

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

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### CSLOs

#### MATH 1 Calculus I

- Upon completion of Math 1, a student should be able to construct an optimization model and use it to find the desired quantity.
- Upon completion of Math 1, a student should be able to evaluate and interpret a definite integral.
- Upon completion of Math 1, a student should be able to find the roots of a function using Newton's method.
- Upon completion of Math 1, a student should be able to find the volume of a solid of revolution using washers or shells.
- Upon completion of Math 1, a student should be able to integrate a function involving a u-substitution.

#### MATH 2 Calculus II

- Upon completion of Math 2, a student should be able to determine an arc length using parametric equations.
- Upon completion of Math 2, a student should be able to determine the interval of convergence for a power series.
- Upon completion of Math 2, a student should be able to evaluate an integral using a power series representation.
- Upon completion of Math 2, a student should be able to integrate a function using a partial fraction expansion.
- Upon completion of Math 2, a student should be able to numerically evaluate an integral using Simpson's Rule and determine the error.

#### MATH 3 Multivariable Calculus

- Upon completion of Math 3, a student should be able to evaluate a surface integral.
- Upon completion of Math 3, a student should be able to evaluating a surface integral for vector functions using parameterization of the surface or using the Divergence theorem.
- Upon completion of Math 3, a student should be able to interpret directional derivatives, including the gradient.
- Upon completion of Math 3, a student should be able to solve an optimization problem by using the method of LaGrange multipliers.

# CSLOS

## MATH 5 Ordinary Differential Equations

- Upon completion of Math 5, a student should be able to construct and interpret the solution of a mass-spring system.
- Upon completion of Math 5, a student should be able to model an RLC using differential equations.
- Upon completion of Math 5, a student should be able to use a 4th order Runge-Kutta algorithm to solve an equation numerically.
- Upon completion of Math 5, a student should be able to use the method of Laplace transforms to solve differential equation.

## MATH 7 Elementary Linear Algebra

- Upon completion of Math 7, a student should be able to determine if a set is a subspace of a vector space.
- Upon completion of Math 7, a student should be able to diagonalize a matrix.
- Upon completion of Math 7, a student should be able to set up a system of Linear Equations to represent a network and then solve the system.
- Upon completion of Math 7, a student should be able to use software to solve a least squares problem.

## MATH 10 Discrete Mathematical Structures

- Upon completion of Math 10, a 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.
- Upon completion of Math 10, a student should be able to determine whether a relation is an equivalence relation.
- Upon completion of Math 10, a student should be able to use mathematical reasoning and counting techniques to correctly enumerate the number of ways in which a specified event can occur.
- Upon completion of Math 10, a student should be able to write a coherent formal proof using mathematical induction.

## MATH 27 Number Systems for Educators

- Upon completion of Math 27, a student should be able to apply multiple strategies to solve a numerical or application problem.
- Upon completion of Math 27, a student should be able to explain how to find the greatest common factor of a set of natural numbers.
- Upon completion of Math 27, a student should be able to solve an arithmetic problem using multiple representations of graphs, tables, symbols, words, and manipulatives.

## MATH 29 Independent Study, Mathematics

- No updated CSLOS

## MATH 30 College Algebra for STEM

- Upon completion of Math 30, a student should be able to find all of the zeros of a polynomial function.
- Upon completion of Math 30, a student should be able to find extrema and zeros using a graphing calculator and/or other technology.
- Upon completion of Math 30, a student should be able to graph and identify the main features of a rational function without using a graphing utility.
- Upon completion of Math 30, a student should be able to model a problem using exponential growth or decay.

## MATH 33 Finite Mathematics

- Upon completion of Math 33, a student should be able to find the probability of an event and explain the meaning of the value found.
- Upon completion of Math 33, a student should be able to model an applied problem by writing a system of linear inequalities or equalities.
- Upon completion of Math 33, a student should be able to solve a system of linear equations in matrix form by hand (without using a calculator).
- Upon completion of Math 33, a student should be able to use the financial functions on a graphing calculator to answer questions about loans or annuities.

# CSLOS

- Upon completion of Math 33, a student should be able to write a system of linear equations and inequalities that represent the relationships between the quantities in a linear programming problem and represent the solution graphically and verbally.

## MATH 34 Business Calculus

- Upon completion of Math 34, a student should be able to analyze problems involving limits and continuity.
- Upon completion of Math 34, a student should be able to evaluate derivatives.
- Upon completion of Math 34, a student should be able to evaluate indefinite and definite integrals.
- Upon completion of Math 34, a student should be able to set up and solve applications of derivatives, including the use of appropriate technology.
- Upon completion of Math 34, a student should be able to solve problems involving functions of two variables.

## MATH 39 Trigonometry

- Upon completion of Math 39, a 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.
- Upon completion of Math 39, a student should be able to identify and describe the period, amplitude and phase shift of a sine or cosine function.
- Upon completion of Math 39, a student should be able to solve a trigonometric equation that does not involve any of the standard angles as solutions, making usage of a calculator necessary.
- Upon completion of Math 39, a student should be able to solve a trigonometric equation using factoring and identities.
- Upon completion of Math 39, a student should be able to solve an application problem using law of sines or law of cosines.

## MATH 40 Statistics and Probability

- Upon completion of Math 40, a student should be able to build a frequency distribution for, and make a histogram of, quantitative data.
- Upon completion of Math 40, a student should be able to 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.
- Upon completion of Math 40, a student should be able to perform the steps for a hypothesis test about a single population parameter and interpret the result.
- Upon completion of Math 40, a student should be able to solve an application problem using the central limit theorem.
- Upon completion of Math 40, a student should be able to use a computer program to make a graph of categorical data.

## MATH 47 Mathematics for Liberal Arts

- Upon completion of Math 47, a student should be able to develop and use an appropriate model (linear or exponential) for a given problem.
- Upon completion of Math 47, a student should be able to 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.
- Upon completion of Math 47, a student should be able to solve a financial problem involving amortization.
- Upon completion of Math 47, a student should be able to translate a statement into symbolic logic notation.

## MATH 55 Intermediate Algebra

- Upon completion of Math 55, a student should be able to interpret the results of an applied math problem at an intermediate algebra level.
- Upon completion of Math 55, a student should be able to set up and solve applications at an intermediate algebra level.
- Upon completion of Math 55, a student should be able to simplify expressions at an intermediate algebra level.
- Upon completion of Math 55, a student should be able to solve a multi-step equation at an intermediate algebra level.

## MATH 55C Concurrent Support for Intermediate Algebra

# CSLOS

- Upon completion of Math 55C, a student should be able to use effective strategies to read mathematical text for understanding.
- Upon completion of Math 55C, a student should be able to 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).
- Upon completion of Math 55C, a student should be able to organize and justify their mathematical thinking on Intermediate Algebra problems.
- Upon completion of Math 55C, a student should be able to 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.
- Upon completion of Math 55C, a student should be able to 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 Math 66, a student should be able to apply prerequisite mathematical topics at a higher level.
- Upon completion of Math 66, a student should be able to 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.).
- Upon completion of Math 66, a student should be able to formulate short-term and long-term learning objectives based on their academic goal(s).
- Upon completion of Math 66, a student should be able to identify skills needed to become a more productive, successful, and independent learner.

## MATH 66C Concurrent Support for Calculus I

- Upon completion of Math 66C, a 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.
- Upon completion of Math 66C, a student should be able to identify challenging mathematics topics and be able to communicate in writing the correct strategies and processes for solving relevant mathematics problems.
- Upon completion of Math 66C, a student should be able to read mathematical writing with understanding and use this skill as preparation to solve relevant mathematics problems.
- Upon completion of Math 66C, a student should be able to utilize online and other technological resources effectively to enhance their understanding of a mathematics topic.

## MATH 67 Math Jam for Calculus II

- Upon completion of Math 67, a student should be able to apply prerequisite mathematical topics at a higher level.
- Upon completion of Math 67, a student should be able to 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.).
- Upon completion of Math 67, a student should be able to formulate short-term and long-term learning objectives based on their academic goal(s).
- Upon completion of Math 67, a student should be able to identify skills needed to become a more productive, successful, and independent learner.

## MATH 67C Concurrent Support for Calculus II

- Upon completion of Math 67C, a 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.
- Upon completion of Math 67C, a student should be able to identify challenging mathematics topics and be able to communicate in writing the correct strategies and processes for solving relevant mathematics problems.
- Upon completion of Math 67C, a student should be able to read mathematical writing with understanding and use this skill as preparation to solve relevant mathematics problems.



# CSLOS

- Upon completion of Math 67C, a student should be able to 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 Math 68, a student should be able to apply prerequisite mathematical topics at a higher level.
- Upon completion of Math 68, a student should be able to 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.).
- Upon completion of Math 68, a student should be able to formulate short-term and long-term learning objectives based on their academic goal(s).
- Upon completion of Math 68, a student should be able to identify skills needed to become a more productive, successful, and independent learner.

## MATH 68C Concurrent Support for Calculus III

- Upon completion of Math 68C, a 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.
- Upon completion of Math 68C, a student should be able to identify challenging mathematics topics and be able to communicate in writing the correct strategies and processes for solving relevant mathematics problems.
- Upon completion of Math 68C, a student should be able to read mathematical writing with understanding and use this skill as preparation to solve relevant mathematics problems.
- Upon completion of Math 68C, a student should be able to utilize online and other technological resources effectively to enhance their understanding of a mathematics topic.

## MATH 100C Concurrent Support for SLAM Mathematics

- Upon completion of Math 100C, a 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.
- Upon completion of Math 100C, a student should be able to identify challenging mathematics topics and be able to communicate in writing the correct strategies and processes for solving relevant mathematics problems.
- Upon completion of Math 100C, a student should be able to read mathematical writing with understanding and use this skill as preparation to solve relevant mathematics problems.
- Upon completion of Math 100C, a student should be able to 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 Math 101C, a 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.
- Upon completion of Math 101C, a student should be able to identify challenging mathematics topics and be able to communicate in writing the correct strategies and processes for solving relevant mathematics problems.
- Upon completion of Math 101C, a student should be able to read mathematical writing with understanding and use this skill as preparation to solve relevant mathematics problems.
- Upon completion of Math 101C, a student should be able to utilize online and other technological resources effectively to enhance their understanding of a mathematics topic.

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## Mindfulness

Division: A&H (Arts & Humanities)

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# CSLOS

## CSLOs

### Mind 15 Introduction to Mindfulness

- Upon successful completion of MIND 15, students will be able to demonstrate the practical skills of mindfulness meditation including deepening concentration and building resilience.
  - Upon successful completion of MIND 15, students will be able to demonstrate competence in communicating about experiences in meditation and about one's own mindfulness practice.
- Upon successful completion of MIND 15, students will be able to analyze and appraise contemporary theories and research about mindfulness practice. Upon successful completion of MIND 15, students will be able to 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 MUS 1, the student will be able to analyze particular musical works with regard to style and technical elements.
- Upon completion of MUS 1, the student will be able to outline the broad history of music in the Western European tradition, both sacred and secular.
- Upon completion of MUS 1, the student will be able to synthesize and integrate general musical analysis into short analytical papers about music.

### MUS 3 World Music

- Upon completion of MUS 3, the student will be able to compare and contrast a variety of world music genres.
- Upon completion of MUS 3, the student will be able to demonstrate basic knowledge of music from around the world through written assignments and exams.
- Upon completion of MUS 3, the student will be able to synthesize and integrate general musical analysis into short analytical papers about music from a variety of world cultures.

### MUS 4 Jazz in American Culture

- Upon completion of MUS 4, the student will be able to analyze particular musical works with regard to style, technical elements.
- Upon completion of MUS 4, the student will be able to compare the parallel political and social climate that has affected jazz's evolution.
- Upon completion of MUS 4, the student will be able to 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 MUS 5, the student will be able to analyze and interpret particular musical works with regard to style and technical elements.
- Upon completion of MUS 5, the student will be able to distinguish and debate the contributions of the various cultures that make up America's popular music and its people.
- Upon completion of MUS 5, the student will be able to synthesize factual information and historical evidence through informed listening, analysis, form, and repertoire.

### MUS 6 Basic Music Skills

# CSLOS

- Upon completion of MUS 6, the student will be able to construct major/minor scales and demonstrate a basic comprehension of key relationships.
- Upon completion of MUS 6, the student will be able to correctly notate basic rhythms, melodies, and harmonic progressions.
- Upon completion of MUS 6, the student will be able to develop a comprehension of typical music notation through harmonic and formal analysis of the literature.

## MUS 8A Music Theory and Musicianship 1

- Upon completion of MUS 8A, the student will be able to analyze basic chord progressions using standard Roman Numeral analysis.
- Upon completion of MUS 8A, the student will be able to 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.
- Upon completion of MUS 8A, the student will be able to transcribe and correctly notate basic rhythms and melodies.

## MUS 8B Music Theory and Musicianship 2

- Upon completion of MUS 8B, the student will be able to analyze intermediate chord progressions using standard Roman Numeral analysis.
- Upon completion of MUS 8B, the student will be able to construct three different original compositions using three different forms in four measure phrases.
- Upon completion of MUS 8B, the student will be able to write progressions using four-part diatonic harmony.

## MUS 10A Music Theory and Musicianship 3

- Upon completion of MUS 10A, the student will be able to analyze harmonic, melodic, and formal elements of chromatic music using a variety of techniques and approaches.
- Upon completion of MUS 10A, the student will be able to transcribe and correctly notate moderately advanced rhythms, chord progressions, and melodies.
- Upon completion of MUS 10A, the student will be able to utilize their knowledge of music theory to compose a variety of short pieces.

## MUS 10B Music Theory and Musicianship 4

- Upon completion of MUS 10B, the student will be able to analyze works in a variety of 20th and 21st Century genres using advanced techniques such as arc diagrams, texture maps, and theme maps.
- Upon completion of MUS 10B, the student will be able to demonstrate an advanced understanding of how music is constructed and performed in 20th and 21st Century Styles.
- Upon completion of MUS 10B, the student will be able to demonstrate their musicianship abilities to perform harmonic dictation, melodic dictation, rhythmic dictation, and sight-singing.

## MUS 11 Commercial Music Combo

- Upon completion of MUS 11, the student should be able to perform commercial music repertoire at an introductory level.
- Upon completion of MUS 11, the student should be able to transcribe and perform commercial music licks in all 12 keys.

## MUS 13 History of Rock & Roll

- Upon completion of MUS 13, the student will be able to articulate the influence of modern technology on musical instruments and recording techniques.
- Upon completion of MUS 13, the student will be able to differentiate between various styles of rock and popular music.
- Upon completion of MUS 13, the student will be able to synthesize factual information and historical evidence through informed listening, analysis, evaluation and discernment of musical elements, forms and repertoire.

## MUS 14 Jazz Workshop

# CSLOS

- Upon completion of MUS 14, the student will be able to demonstrate an adherence to recognize standards of professionalism in a rehearsal setting.
- Upon completion of MUS 14, the student will be able to demonstrate the ability to play on pitch in a section and ensemble as directed by a conductor.
- Upon completion of MUS 14, the student will be able to perform stylistically appropriately to the period/style of the composition.

## MUS 15 Jazz Ensemble

- Upon completion of MUS 15, the student will be able to demonstrate an adherence to recognize standards of professionalism in a rehearsal setting.
- Upon completion of MUS 15, the student will be able to demonstrate the ability to play on pitch in a section and ensemble as directed by a conductor.
- Upon completion of MUS 15, the student will be able to perform stylistically appropriately to the period/style of the composition.

## MUS 16 Philharmonic Orchestra

- Upon completion of MUS 16, the student will be able to demonstrate an adherence to recognized standards of professionalism in a rehearsal setting.
- Upon completion of MUS 16, the student will be able to demonstrate the ability to play on pitch in a section and ensemble as directed by a conductor.
- Upon completion of MUS 16, the student will be able to perform stylistically appropriately to the period/style of the composition.

## MUS 17A Jazz Combo 1

- Upon completion of MUS 17A, the student will be able to develop mastery of improvisation based on study of jazz masters.
- Upon completion of MUS 17A, the student will be able to perform jazz repertoire at an introductory level.
- Upon completion of MUS 17A, the student will be able to transcribe and perform basic musical licks in all 12 keys.

## MUS 17B Jazz Combo 2

- Upon completion of MUS 17B, the student will be able to analyze, interpret, and perform intermediate and advanced jazz repertoire in a combo setting.
- Upon completion of MUS 17B, the student will be able to apply knowledge of jazz practices to their unique improvisations.
- Upon completion of MUS 17B, the student will be able to demonstrate intermediate/advanced knowledge of jazz repertoire through performance and practice.
- Upon completion of MUS 17B, the student will be able to develop a mastery of improvisation through study, transcription, and trial and error.

## MUS 18A Jazz/Pop Piano 1

- Upon completion of MUS 18A, the student will be able to apply jazz/pop voicing and stylistic approaches to jazz/pop repertoire.
- Upon completion of MUS 18A, the student will be able to improvise a basic piano solo over a simple chord progression.
- Upon completion of MUS 18A, the student will be able to interpret and perform basic lead-sheets.

## MUS 18B Jazz/Pop Piano 2

- Upon completion of MUS 18B, the student will be able to apply intermediate jazz/pop voicings and stylistic approaches to jazz/pop repertoire.
- Upon completion of MUS 18B, the student will be able to demonstrate the ability to interpret and perform intermediate lead-sheets.
- Upon completion of MUS 18B, the student will be able to improvise an intermediate piano solo over an intermediate chord progression.

# CSLOS

## MUS 19 Studies in Music Composition

- Upon completion of MUS 19, the student will be able to analyze and integrate knowledge of contemporary classical repertoire into original compositions.
- Upon completion of MUS 19, the student will be able to compose music for a variety of ensembles using standard practice techniques.
- Upon completion of MUS 19, the student will be able to create professional scores and parts using standard music notation software.

## MUS 20A Elementary Guitar

- Upon completion of MUS 20A, the student will be able to perform basic melodies, chords, and rhythms on the guitar.
- Upon completion of MUS 20A, the student will be able to perform simple repertoire in small guitar ensembles.
- Upon completion of MUS 20A, the student will be able to read, analyze, and perform simple sheet music.

## MUS 20B Study of Guitar

- Upon completion of MUS 20B, the student will be able to perform intermediate melodies, chords, and rhythms on the guitar.
- Upon completion of MUS 20B, the student will be able to perform intermediate repertoire in small guitar ensembles.
- Upon completion of MUS 20B, the student will be able to read, analyze, and perform intermediate sheet music.

## MUS 20C Advanced Guitar

- Upon completion of MUS 20C, the student will be able to perform advanced melodies, rhythms, and chords on the guitar.
- Upon completion of MUS 20C, the student will be able to perform advanced repertoire in small guitar ensembles.
- Upon completion of MUS 20C, the student will be able to read, analyze, and perform advanced sheet music.

## MUS 21 A Beginning Piano

- Upon completion of MUS 21A, the student will be able to demonstrate basic piano technique using proper hand position, posture, and fingering.
- Upon completion of MUS 21A, the student will be able to practice course material effectively on their own.
- Upon completion of MUS 21A, the student will be able to practice, perform, and memorize scales, chords, and simple harmonic progressions.

## MUS 21B Intermediate Piano

- Upon completion of MUS 21B, the student will be able to apply intermediate music theory when performing scales, chords, and progressions.
- Upon completion of MUS 21B, the student will be able to employ intermediate piano technique and incorporate it into daily practice.
- Upon completion of MUS 21B, the student will be able to 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 MUS 22A, the student will be able to analyze a piece of music by recognizing instrumentation, thematic development, and compositional intent.
- Upon completion of MUS 22A, the student will be able to create original music for film, games, and other types of multimedia projects.
- Upon completion of MUS 22A, the student will have a foundational skill set for working with digital audio workstation software and recording technology.

## MUS 22B Scoring Film and Multimedia 2

- Upon completion of MUS 22B, the student will be able to create detailed, professionally produced original music for film, games, and other types of multimedia projects.

# CSLOS

- Upon completion of MUS 22B, the student will be able to critically analyze a scene, cue, or any implementation of music in media by exploring its musical and extra-musical characteristics.
- Upon completion of MUS 22B, the student will be able to skillfully work with digital audio workstation software, MIDI, and recording technology.

## MUS 23A Elementary Voice

- Upon completion of MUS 23A, the student will be able to demonstrate an acute awareness of diction, vowels, and pronunciation in English and Italian singing.
- Upon completion of MUS 23A, the student will be able to demonstrate knowledge of the basic anatomy and physiology involved in tone production and the respiratory system and its contribution to singing.
- Upon completion of MUS 23A, the student will be able to 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 MUS 23B, the student will be able to demonstrate advanced knowledge of the anatomy and physiology involved in tone production and the respiratory system and its contribution to singing.
- Upon completion of MUS 23B, the student will be able to demonstrate an acute awareness of diction, vowels, pronunciation, and introductory IPA proficiency in multiple languages.
- Upon completion of MUS 23B, the student will be able to 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 25 Teaching Beginning Piano

- Upon completion of MUS 25, students will be able to develop and formulate a teaching philosophy and official policies for their piano studios.
- Upon completion of MUS 25, the student will be able to evaluate a variety of methods for teaching beginners.
- Upon completion of MUS 25, the student will be able to prepare, execute, and evaluate a comprehensive piano lesson for the beginning piano student.

## MUS 26 Methods/Materials/Piano Teachers

- Upon completion of MUS 26, the student will be able to demonstrate the ability to select appropriate piano method books for a variety of piano students.
- Upon completion of MUS 26, the student will be able to evaluate a variety of method books and business practices for piano students.
- Upon completion of MUS 26, the student will be able to evaluate advantages and disadvantages of method books in order to choose effective curriculum for a variety of students.
- Upon completion of MUS 26, the student will be able to prepare, execute, and evaluate a comprehensive piano lesson for the intermediate piano student.

## MUS 27 Teaching Intermediate Piano

- Upon completion of MUS 27, the student will be able to address common challenges that are common to the piano teaching profession.
- Upon completion of MUS 27, the student will be able to evaluate a variety of methods for teaching intermediate pianists.
- Upon completion of MUS 27, the student will be able to present intermediate pieces to their students by explaining the form, compositional technique, style and mood of the piece, as well as the intent of the composer.

## MUS 28 Keyboard Skills

- Upon completion of MUS 28, the student will be able to apply theory and technique to a variety of piano repertoire.
- Upon completion of MUS 28, the student will be able to perform all triads, and major and minor scales in all keys with appropriate technique.
- Upon completion of MUS 28, the student will be able to sight-read and perform intermediate piano excerpts.

# CSLOS

## MUS 29 Independent Study, Music

- No updated CSLOs

## MUS 31 Study of Piano

- Upon completion of MUS 31, the student will be able to develop an understanding of intermediate to advanced music theory and be able to apply it to their piano playing through scales, chords, and simple progressions.
- Upon completion of MUS 31, the student will be able to illustrate a mastery of course knowledge through in-class performance.
- Upon completion of MUS 31, the student will be able to learn and employ advanced piano technique and incorporate it into daily practice.
- Upon completion of MUS 31, the student will be able to select, practice, master, and memorize intermediate to advanced repertoire in a variety of styles with an understanding of correct rhythm, fingering, and expression.

## MUS 34 Music in Film

- Upon completion of MUS 34, the student will be able to distinguish the styles of prominent film music composers and their contributions to the field of film scoring.
- Upon completion of MUS 34, the student will be able to 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 MUS 35, the student will be able to explain and demonstrate basic principles of sound and acoustics.
- Upon completion of MUS 35, the student will be able to understand and be able to demonstrate basic techniques in using a Digital Audio Workstation with MIDI capability.
- Upon completion of MUS 35, the student will be able to understand and demonstrate general music technology concepts, equipment, software, and industry practices.

## MUS 36 Intermediate Music Technology

- Upon completion of MUS 36, the student will be able to demonstrate advanced techniques using a Digital Audio Workstation with MIDI and live audio capability.
- Upon completion of MUS 36, the student will be able to explain and demonstrate advanced principles of sound and acoustics.
- Upon completion of MUS 36, the student will be able to present completed audio projects using recorded live audio with appropriate editing, mixing, and mastering in a variety of formats.

## MUS 37 Music Business

- Upon completion of MUS 37, the student will be able to conduct and present research on trends and strategies within the music industry.
- Upon completion of MUS 37, the student will be able to distinguish and analyze a variety of music industry career pathways.
- Upon completion of MUS 37, the student will be able to market and promote musical events, ensembles, and companies.

## MUS 38 Applied Lessons

- Upon completion of MUS 38, the student will be able to successfully demonstrate the Applied Lessons Requirements (organize by semester of study) as outlined by the music department faculty.
- Upon completion of MUS 38, the student will be able to complete successful music performances and final jury or recital demonstrating overall improvements and advancement in individual study.
- Upon completion of MUS 38, the student will be able to complete the required number of lessons, on-campus practice hours, musical exercises, and repertoire as assigned by the instructor.

## MUS 41 Instrumental Chamber Music

# CSLOS

- Upon completion of MUS 41, the student should be able to adhere to recognized standards of professionalism in a rehearsal setting.
- Upon completion of MUS 41, the student should be able to perform a variety of chamber or orchestral repertoire.
- Upon completion of MUS 41, the student should be able to perform stylistically appropriately to the period/style of the composition.
- Upon completion of MUS 41, the student should be able to play with correct pitch, rhythm, and dynamics with other instrumentalists.

## MUS 44 Concert Choir

- Upon completion of MUS 44, the student will be able to demonstrate appropriate stage appearance and overall ability through performance of music in a variety of cultural styles.
- Upon completion of MUS 44, the student will be able to demonstrate healthy vocal technique (tone, resonance, support, effective singing posture, accurate intonation) as proscribed by the instructor.
- Upon completion of MUS 44, the student will be able to demonstrate improvements in basic rhythms, intonation, overall musicianship, and ability to carry one's part singing within an ensemble.

## MUS 45 Chamber Choir

- Upon completion of MUS 45, the student will be able to demonstrate appropriate stage appearance and overall ability through multiple performances of music in a variety of cultural styles.
- Upon completion of MUS 45, the student will be able to demonstrate improvements in advanced rhythms, intonation, overall musicianship, and ability to carry one's part singing within an ensemble.
- Upon completion of MUS 45, the student will be able to demonstrate successful ensemble methods, adhering to director's instructions.

## MUS 46 Vocal Jazz Ensemble

- Upon completion of MUS 46, the student will be able to demonstrate advanced overall musicianship and ability to carry one's part singing within an ensemble.
- Upon completion of MUS 46, the student will be able to demonstrate advanced understanding of the performance sound system, including safe set-up, take-down, and operation.
- Upon completion of MUS 46, the student will be able to demonstrate appropriate stage appearance and overall ability through multiple performances of music in a variety of cultural styles.
- Upon completion of MUS 46, the student will be able to perform intermediate solo improvisation using appropriate syllables and articulations.

## MUS 47 College Productions-Music

- Upon completion of MUS 47, the student will be able to demonstrate an adherence to recognized standards of professionalism in a rehearsal setting.
- Upon completion of MUS 47, the student will be able to, by the opening of the musical production, the students will demonstrate the ability to play or sing on pitch in a section and ensemble as directed by a conductor.
- Upon completion of MUS 47, the student will be able to, by the opening of the musical theater production, the students will show by their performance in the production, their group participation and individual work to make the show a success.

## MUS 48 Improvisation Lab

- Upon completion of MUS 48, the student will be able to demonstrate facility and technique in performing improvisations in solo and ensemble contexts.
- Upon completion of MUS 48, the student will be able to perform, memorize, and interpret repertoire in a variety of styles.

## MUS 145 Piano Technology 1

- Upon completion of Music 145, students will be able to roughly tune a Vertical piano, bass and tenor section. Assiduous students, roughly a whole piano.
- Upon completion of Music 145, students will be able to perform some basic repairs of Vertical pianos.
- Upon completion of Music 145, students will be able to roughly voice a Vertical piano



# CSLOS

## MUS 146 Piano Technology 2

- Upon completion of MUS 146, the student will be able to tune upright and grand pianos at an intermediate level using industry standard equipment.
- Upon completion of MUS 146, the student will be able to make intermediate repairs to upright and grand pianos.
- Upon completion of MUS 146, the student will be able to voice a piano at an intermediate level.

## MUS 147 Piano Technology 3

- No updated CSLOs

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## Noncredit Automotive Technology

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

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### CSLOs

#### NAUT A1 Engine Repair

- Upon completion of NAUT A1, the student should be able to apply engine repair safety precautions.
- Upon completion of NAUT A1, the student should be able to apply safety precautions in shop lab exercises.

#### NAUT A2 Automatic Transmission/Transaxle

- Upon completion of NAUT A2, the student should be able to apply transmission/Transaxle repair safety precautions.
- Upon completion of NAUT A2, the student should be able to obtain and interpret powertrain data related to the transmission.

#### NAUT A3 Manual Drive Train and Axles

- Upon completion of NAUT A3, the student should be able to apply Manual Drivetrain and axle repair safety precautions.
- Upon completion of NAUT A3, the student should be able to obtain and interpret powertrain data related to manual gearboxes and axles.

#### NAUT A4 Suspension and Steering

- Upon completion of NAUT A4, the student should be able to apply steering and suspension repair safety precautions.
- Upon completion of NAUT A4, the student should be able to obtain and interpret powertrain data related to the steering and suspension system.

#### NAUT A5 Brakes

- Upon completion of NAUT A5, the student should be able to obtain and interpret powertrain data related to the brake system.
- Upon completion of NAUT A5, the student should be able to apply brakes repair safety precautions.

#### NAUT A6 Electrical/Electronic Systems

- Upon completion of NAUT A6, the student should be able to apply electrical precautions.
- Upon completion of NAUT A6, the student should be able to obtain and interpret data related to the electrical system

#### NAUT A7 Automotive Heating and Air Conditioning

- Upon completion of NAUT A7, the student should be able to apply HVAC safety precautions.

# CSLOS

- Upon completion of NAUT A7, the student should be able to read and interpret HVAC gauges.

## NAUT A8 Engine Performance

- Upon completion of NAUT A8, the student should be able to apply emission safety precautions.
- Upon completion of NAUT A8, the student should be able to read and interpret scanner data.

## NAUT AMPL Automotive Audio System Building Lab

- Upon completion of AUTO INTR, the student should be able to, recognize and apply shop safety precautions.

## NAUT AMPZ Automotive Audio System Building

- Upon completion of AUTO INTR, the student should be able to, recognize and apply shop safety precautions.
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## NAUT ASCL Automotive Summer Camp Hands On

- Upon completion of AUTO INTR, the student should be able to, recognize and apply shop safety precautions.

## NAUT ASMC Automotive Summer Camp

- Upon completion of AUTO INTR, the student should be able to, recognize and apply shop safety precautions.

## NAUT CA1 Concepts of Engine Repair

- Upon completion of AUTO A1, the student should be able to apply engine repair safety precautions.
- Upon completion of AUTO A1, the student should be able to apply safety precautions in shop lab exercises.
- Upon completion of AUTO A1, the student should be able to obtain and interpret powertrain data related to the engine.

## NAUT CA2 Concepts of Automatic Transmission/Transaxle

- Upon completion of AUTO A2, the student should be able to, obtain and interpret powertrain data related to the transmission.
- Upon completion of AUTO A2, the student should be able to apply transmission/Transaxle repair safety precautions.

## NAUT CA3 Concepts of Manual Drive Train and Axles

- Upon completion of AUTO A3, the student should be able to, obtain and interpret powertrain data related to manual gearboxes and axles.
- Upon completion of AUTO A3, the student should be able to apply Manual Drive Train and axle repair safety precautions.

## NAUT CA4 Concepts of Suspension and Steering

- Upon completion of AUTO A4, the student should be able to apply steering and suspension repair safety precautions.
- Upon completion of AUTO A4, the student should be able to obtain and interpret powertrain data related to the steering and suspension system.

## NAUT CA5 Concepts of Brakes

- Upon completion of AUTO A5, the student should be able to apply brakes repair safety precautions.
- Upon completion of AUTO A5, the student should be able to obtain and interpret powertrain data related to the brake system.

## NAUT CA6 Concepts of Electrical/Electronic Systems

- Upon completion of AUTO A6, the student should be able to apply electrical precautions.
- Upon completion of AUTO A6, the student should be able to obtain and interpret data related to the electrical system

# CSLOS

## NAUT CA7 Concepts of Automotive Heating and Air Conditioning

- Upon completion of AUTO A7, the student should be able to apply HVAC safety precautions.
- Upon completion of AUTO A7, the student should be able to read and interpret HVAC gauges.

## NAUT CA8 Concepts of Engine Performance

- Upon completion of AUTO A8, the student should be able to apply emission safety precautions.
- Upon completion of AUTO A8, the student should be able to read and interpret scanner data.

## NAUT CA9 Concepts of Light Vehicle Diesel Engines

- Upon completion of AUTO A9, the student should be able to diagnose and repair diesel engine mechanical systems.
- Upon completion of AUTO A9, the student should be able to diagnose and repair diesel turbo systems.
- Upon completion of AUTO A9, the student should be able to diagnose and repair electronic diesel system.

## NAUT CINTR Concepts of Automotive Service and Introduction

- Upon completion of NAUT INTR, the student should be able to, recognize and apply shop safety precautions.
- Upon completion of NAUT INTR, the student should be able to perform and oil change with 100% accuracy.

## NAUT CSDR Concepts of Specified Diagnostic and Repair

- Upon completion of AUTO SDR, the student should be able to, obtain and interpret scan tool data.
- Upon completion of AUTO SDR, student should be able to apply safety precautions in shop lab exercises

## NAUT CSMG Concepts of Smog Level One and Level Two

- Upon completion of NAUT L1L2, the student should be able to perform an OIS test.
- Upon completion of NAUT L1L2, the student should be able to obtain and interpret powertrain data.

## NAUT INTR Automotive Service and Introduction

- Upon completion of NAUT INTR, the student should be able to, recognize and apply shop safety precautions.
- Upon completion of NAUT INTR, the student should be able to perform and oil change with 100% accuracy.

## NAUT L1L2 Smog Level One and Level Two

- Upon completion of NAUT L1L2, the student should be able to perform an OIS test.
- Upon completion of NAUT L1L2, the student should be able to obtain and interpret powertrain data.

## NAUT LABA Automotive Lab

- Upon completion of NAUT LABA, the student should be able to apply safety in all lab conditions.
- Upon completion of NAUT LABA, the student should be able to work autonomously in a shop environment.

## NAUT LABB Automotive Lab Advanced

- Upon completion of NAUT LABB, the student should be able to apply all safety precautions.
- Upon completion of NAUT LABB, the student should be able to complete hands on lab sessions with no instructor supervision necessary.

## NAUT LABC Automotive Lab Specialized Bench Work

- Upon completion of AUTO LABB, the student should be able to apply all safety precautions.
- Upon completion of AUTO LABB, the student should be able to complete hands on lab sessions with no instructor supervision necessary.

## NAUT LABD Automotive Lab Specialized Electronic Work

- Upon completion of AUTO LABB, the student should be able to apply all safety precautions.
- Toggle the visibility of the item detail panel
- Upon completion of AUTO LABB, the student should be able to complete hands on lab sessions with no instructor supervision necessary.

# CSLOS

## NAUT SDR Specified Diagnostic and Repair

- Upon completion of NAUT SDR, the student should be able to apply safety precautions in shop lab exercises.
- Upon completion of NAUT SDR, the student should be able to obtain and interpret scan tool data

## Noncredit Business

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

### CSLOs

#### NBUS 200 Communication in the Workplace

- Upon completion of NBUS 200, 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.
- Upon completion of NBUS 200, the student should be able to apply effective listening skills in a variety of situations to promote healthy, positive communication.
- Upon completion of NBUS 200, the student should be able to develop an interview plan with optimal questions and scenarios for a successful interview.
- Upon completion of NBUS 200, the student should be able to identify and describe non-verbal communication and how it can be interpreted.

#### NBUS 201 Writing Skills for Managers

- Upon completion of NBUS 201, the student should be able to identify and effectively use the principles of verbal and written communication in a presentation.
- Upon completion of NBUS 201, the student should be able to utilize the Guidelines for Business Writing in producing an e-mail.
- Upon completion of NBUS 201, the student should be able to recognize the importance of common writing errors like run-on sentences, grammar, and "You" sentences
- Upon completion of NBUS 201, the student should be able to compose a business communication catered to a business audience using the tools learned in class.

#### NBUS 202 Attitude in the Workplace

- Upon completion of NBUS 202, 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.
- Upon completion of NBUS 202, the student should be able to identify methods of obtaining a positive attitude.

#### NBUS 203 Decision Making and Problem Solving

- Upon completion of NBUS 203, the student should be able to differentiate between decision making and problem solving.
- Upon completion of NBUS 203, the student should acquire the knowledge to recognize the importance of creativity, and identify various blocks to problem solving
- Upon completion of NBUS 203, the student should be able to apply problem solving techniques in a role-play
- Upon completion of NBUS 203, the student should be able to use primary and secondary sources in their decision making process.

#### NBUS 204 Managing Organizational Change

- Upon completion of NBUS 204, the student should be able to identify the stages within the organizational change and identify systems of resistance.
- Upon completion of NBUS 204, the student should be able to identify types of employees' resistance to change.

# CSLOS

- Upon completion of NBUS 204, the student should be able to describe the tactics for dealing with resistance to change.

## NBUS 205 Team Building

- Upon completion of NBUS 205, the student should be able to implement the best practices for building a team including, but not limited to, effective communication and problem solving.
- Upon completion of NBUS 205, the student should be able to identify different personalities in the workplace.
- Upon completion of NBUS 205, the student should be able to explain some of the common team problems and form solutions.
- Upon completion of NBUS 205, the student should be able to identify different characteristics of an efficient team.

## NBUS 206 Time Management

- Upon completion of NBUS 206, 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.
- Upon completion of NBUS 206, the student should be able to use prioritization, elimination of time wasters, and effective scheduling practices through the development of a comprehensive time management strategy
- Upon completion of NBUS 206, the student should be able to create a plan for approaching a team member regarding the delegation of a group project.

## NBUS 207 Conflict Resolution

- Upon completion of NBUS 207, the student should be able to describe the meaning of conflict, recognize the causes of conflict, and design conflict resolution strategies.
- Upon completion of NBUS 207, the student should be able to determine one's own conflict style and develop skills for resolving interpersonal conflict.
- Upon completion of NBUS 207, the student should be able to identify different conflict styles and how they affect the workplace.
- Upon completion of NBUS 207, the student should be able to define the six steps in resolving conflict with customers.

## NBUS 208 Stress Management in the Workplace

- Upon completion of NBUS 208, the student should be able to analyze internal and external stressors that exist in an organization and identify the cost of their own stress in the workplace.
- Upon completion of NBUS 208, the student should be able to evaluate the impact and sources of stress in the workplace and apply various stress management techniques.
- Upon completion of NBUS 208, the student should be able to demonstrate at least one method of reducing or minimizing your own stress.
- Upon completion of NBUS 208, the student should be able to identify and differentiate between internal and external stressors and what is the difference between the two.

## NBUS 209 Values and Ethics

- Upon completion of NBUS 209, the student should be able to evaluate where one's personal values come from and demonstrate an understanding of how they will affect the completion of required duties
- Upon completion of NBUS 209, the student should be able to identify and explain why people participate in unethical behavior.
- Upon completion of NBUS 209, the student should be able to generate ideas that can promote ethical decisions and behaviors
- Upon completion of NBUS 209, the student should be able to describe the different pressures that can contribute to an unethical decision from occurring.

## NBUS 210 Customer Service

- Upon completion of NBUS 210, 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.
- Upon completion of NBUS 210, the student should be able to differentiate among internal and external customers to determine and meet their unique needs.

# CSLOS

- Upon completion of NBUS 210, the student should be able to examine and apply the key elements of outstanding customer service, including reliability, assurance, tangibles, empathy, and responsiveness.
- Upon completion of NBUS 210, the student should be able to define customer service and identify their customers.

## NBUS 211 Design Thinking for the Entrepreneur

- Upon completion of NBUS 211, the student should be able to develop rapid prototypes that allow for meaningful feedback in a real-world environment.
- Upon completion of NBUS 211, the student should be able to translate broadly defined opportunities into actionable innovation possibilities.
- Upon completion of NBUS 211, the student should be able to formulate Design Thinking activities in terms of market impact, value creation, and speed.

## NBUS 212 Developing Your Business Plan

- Upon completion of NBUS 212, the student should be able to prepare an outline of the elements in a business plan.
- Upon completion of NBUS 212, the student should be able to identify and describe a business' target market.
- Upon completion of NBUS 212, the student should be able to identify multiple forms of capital attainment for their new business venture.

## NBUS 213 Legal Aspects of Small Business

- Upon completion of NBUS 213, the student should be able to identify and describe the legal forms of ownership, including their advantages and disadvantages.
- Upon completion of NBUS 213, the student should be able to identify and describe legal risk issues that will affect a proposed business venture.
- Upon completion of NBUS 213, the student should be able to explain the difference between intellectual property, copyright, patent, and trademarks.
- Upon completion of NBUS 213, the student should be able to list at least five human resource laws or regulations that will impact a business

## NBUS 214 Success in the Gig Economy

- Upon completion of NBUS 214, the student should be able to explain the process of how to turn a problem solving idea to a money-making opportunity.
- Upon completion of NBUS 214, the student should be able to construct low-cost, low-resolution prototypes to advance a business idea.
- Upon completion of NBUS 214, the student should be able to construct low-cost, low-resolution prototypes to advance a business idea.
- Upon completion of NBUS 214, the student should be able to implement effective teamwork and leadership skills.

## NBUS 233 Personal Financial Management and Planning

- Upon successful completion of BUSN 33, students will be able to identify and categorize the financial statement elements associated with the balance sheet and income statement.
- Upon successful completion of BUSN 33, students will be able to compare the common types of consumer credits including credit cards and installment loans.
- Upon successful completion of BUSN 33, students will be able to develop a comprehensive personal financial plan.
- Upon successful completion of BUSN 33, students will be able to explain fundamental economic considerations that affect decision-making in personal finance.

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## Noncredit English

Division: A&H (Arts & Humanities)

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# CSLOS

## CSLOs

### NENG 204 Integrated Reading Writing II

- Upon completion of MUS 38, the student will be able to successfully demonstrate the Applied Lessons Requirements (organize by semester of study) as outlined by the music department faculty.
- Upon completion of MUS 38, the student will be able to complete successful music performances and final jury or recital demonstrating overall improvements and advancement in individual study.
- Upon completion of MUS 38, the student will be able to complete the required number of lessons, on-campus practice hours, musical exercises, and repertoire as assigned by the instructor.

### NENG 210 Craft of the Sentence

- No updated CSLOs

### NENG 215 Personalized Coaching for Academic Reading and Writing

- Upon completion of MUS 38, the student will be able to successfully demonstrate the Applied Lessons Requirements (organize by semester of study) as outlined by the music department faculty.
- Upon completion of MUS 38, the student will be able to complete successful music performances and final jury or recital demonstrating overall improvements and advancement in individual study.
- Upon completion of MUS 38, the student will be able to complete the required number of lessons, on-campus practice hours, musical exercises, and repertoire as assigned by the instructor.

## Noncredit ESL

Division: A&H (Arts & Humanities)

## CSLOs

### NESL 201 Vocational ESL for Retail 1

- Upon completion of NESL 201, students will be able to complete required initial application documents for a retail position.
- Upon completion of NESL 201, students are able to secure an interview for a retail position.
- Upon completion of NESL 201, students are able to demonstrate American interview communication skills.

### NESL 202 Vocational ESL for Retail 2

- Upon completion of NESL 202, students will be able to analyze workplace organizational structure.
- Upon completion of NESL 202, students will be able to use occupation-specific terminology and communication skills for interacting with employers and co-workers.
- Upon completion of NESL 202, students will be able to evaluate workplace progress.

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

- Upon completion of NESL 203, the student should be able to produce meaningful written communication for a K-12 teacher with effective grammar, spelling and vocabulary.
- Upon completion of NESL 203, the student should be able to understand main ideas and details in written correspondence from a K-12 classroom.
- Upon completion of NESL 203, the student should be able to 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 NESL 204, the student should be able to use listening and speaking skills to communicate clearly with K-12 office administrators.

# CSLOS

- Upon completion of NESL 204, the student should be able to understand main ideas and details in a variety of texts from a K-12 school.
- Upon completion of NESL 204, the student should be able to research and analyze school resources and school engagement opportunities.

## NESL 213 Speaking and Listening Fluency for Academic and Professional Purposes

- Upon completion of NESL 213, the student should be able to present a researched topic accurately, professionally and persuasively.
- Upon completion of NESL 213, the student should be able to understand main ideas and details in an oral presentation like an academic lecture or TED Talk.
- Upon completion of NESL 213, the student should be able to distinguish between fact, opinion, and inference in an oral presentation.

## NESL 220A Intermediate Grammar for Reading and Writing

- Upon completion of NESL 220A, 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.
- Upon completion of NESL 220A, the student should be able to distinguish subjects, verbs, direct objects, prepositional phrases, gerund phrases, infinitive phrases, and infinitives of purpose in simple, compound and complex sentences with adverb clauses.
- Upon completion of NESL 220A, the student should be able to 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.
- Upon completion of NESL 220A, the student should be able to 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.

## NESL 220B High-Intermediate Grammar for Reading and Writing

- Upon completion of NESL 220B, 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.
- Upon completion of NESL 220B, the student should be able to 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.
- Upon completion of NESL 220B, the student should be able to 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.
- Upon completion of NESL 220B, the student should be able to 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 NESL 221A, the student should be able to demonstrate a low-intermediate ability to identify main ideas and supporting details in level-appropriate texts.
- Upon completion of NESL 221A, the student should be able to 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

- No updated CSLOS

## NESL 223 Intermediate Oral Communication

- Upon completion of ESL 123, the student should be able to comprehend a short lecture on an academic topic.
- Upon completion of ESL 123, the student should be able to research and make a five-minute presentation on a new topic.



# CSLOS

- Upon completion of ESL 123, the student should be able to take dictation of sentences and questions.
- Upon completion of ESL 123, the student should be able to use academic vocabulary and expressions.

## NESL 226 Intermediate Pronunciation and Fluency

- Upon completion of ESL 126, the student should be able to apply grammar and pronunciation rules to produce correct simple, compound, and learned complex sentences with stress on content words rather than function words.
- Upon completion of ESL 126, the student should be able to give oral directions and instructions.
- Upon completion of ESL 126, the student should be able to pronounce learned vocabulary and idiomatic expressions understandably.
- Upon completion of ESL 126, the student should be able to take dictation of compound and complex sentences and questions with learned academic vocabulary.

## NESL 230A Beginning Grammar for Reading and Writing

- Upon completion of NESL 230A, 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).
- Upon completion of NESL 230A, the student should be able to distinguish subjects, verbs, objects, and prepositional phrases in simple sentences.
- Upon completion of NESL 230A, the student should be able to 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.
- Upon completion of NESL 230A, the student should be able to 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 NESL 230B, 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.
- Upon completion of NESL 230B, the student should be able to distinguish subject, verb, objects, and phrases (noun, prepositional, gerund, and infinitive) in simple and compound sentences.
- Upon completion of NESL 230B, the student should be able to 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.
- Upon completion of NESL 230B, the student should be able to 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.

## NESL 231A Beginning Reading and Writing

- Upon completion of NESL 231A, the student should be able to demonstrate a low-beginning ability to identify main ideas and supporting details in level appropriate texts.
- Upon completion of NESL 231A, the student should be able to 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 NESL 231B, the student should be able to demonstrate a high-beginning ability to identify main ideas and supporting details in level appropriate texts.
- Upon completion of NESL 231B, the student should be able to 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 ESL 133, the student should be able to participate in discussions in one-to-one and small group situations on a variety of topics.
- Upon completion of ESL 133, the student should be able to use level-appropriate grammatical structures, vocabulary, and idiomatic expressions for a variety of communicative purposes.

# CSLOS

- Upon completion of ESL 133, the student should be able to take dictation of sentences and questions.
- Upon completion of ESL 133, the student should be able to retell the plot and/or main ideas from news items, movies, lectures, or presentations.

## NESL 236 Beginning Pronunciation and Fluency

- Upon completion of ESL 136, the student should be able to correctly pronounce level-appropriate vocabulary and idiomatic expressions.
- Upon completion of ESL 136, the student should be able to identify and stress appropriate content word(s) in a sentence.
- Upon completion of ESL 136, the student should be able to distinguish sounds in minimal pairs.
- Upon completion of ESL 136, the student should be able to correctly identify and pronounce voiced and voiceless sounds.

## Noncredit Horticulture

### CSLOs

#### NHRT 201 Fundamentals of Horticulture

- Upon completion of NHRT 201, the student will be able to safely use hand tools common in the garden and landscape industries.
- Upon completion of NHRT 201, the student will be able to identify 8 plants commonly used in gardens and landscapes.

#### NHRT 202 Landscape and Garden Maintenance

- Upon completion of NHRT 202, the student will be able to safely use power tools common in the garden and landscape industries.
- Upon completion of NHRT 202, the student will be able to identify 8 plants commonly used in gardens and landscapes.

#### NHRT 203 Nursery and Garden Center Maintenance

- It is intended that students who successfully complete this course will be able to:
- Correctly identify 75% of nursery plants by their common or botanical name.
- Demonstrate proficiency in at least 75% of routine maintenance tasks performed in a nursery setting.
- Determine appropriate propagation technique (seeding or cuttings) in 75% of selected plants.
- Correctly label 75% of nursery plants.

#### NHRT 204 Landscape and Garden Planning

- Upon completion of this course, the student should be able to name and describe 75% of the design concepts used in planning a Japanese garden.
- Upon completion of this course, the student should be able to name and describe 75% of the design concepts used in planning a formal or rose garden.
- Upon completion of this course, the student should be able to name and describe 75% of the design concepts used in planning a California native plant garden or a low water maintenance garden.
- Upon completion of this course, the student should be able to identify 75% of selected plants use in summer or winter seasonal gardens.
- Upon completion of this course, the student should be able to demonstrate the ability to communicate effectively with customers in a retail garden environment.

# CSLOS

## Noncredit Library Studies

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

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### CSLOs

#### NLIB 201 Getting Started with Research

- No updated CSLOs

#### NLIB 202 Gathering Information

- Upon completion of NLIB 202, the student should be able to describe methods for primary research.
- Upon completion of NLIB 202, the student should be able to effectively navigate the library and open web to gather secondary information.
- Upon completion of NLIB 202, the student should be able to understand the difference between primary and secondary research.

#### NLIB 203 Evaluating Information

- Upon completion of NLIB 203, the student should be able to effectively use online tools to find quality information.
- Upon completion of NLIB 203, the student should be able to examine sources for characteristics that will impact its value as a research source.
- Upon completion of NLIB 203, the student should be able to identify different types of online content.

#### NLIB 204 Using Information

- Upon completion of NLIB 204, the student should be able to use appropriate productivity tools to manage a research project.
  - Upon completion of NLIB 204, the student should be able to use information ethically to avoid plagiarizing.
  - Upon completion of NLIB 204, the student should be able to use information for a defined purpose.
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## Noncredit Math

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

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### CSLOs

#### NMAT 200C Concurrent Support for SLAM Mathematics

- Upon completion of NMAT 200C, a 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.
- Upon completion of NMAT 200C, a student should be able to identify challenging mathematics topics and be able to communicate in writing the correct strategies and processes for solving relevant mathematics problems.
- Upon completion of NMAT 200C, a student should be able to read mathematical writing with understanding and use this skill as preparation to solve relevant mathematics problems.
- Upon completion of NMAT 200C, a student should be able to 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 NMAT 201C, a 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.
- Upon completion of NMAT 201C, a student should be able to identify challenging mathematics topics and be able to communicate in writing the correct strategies and processes for solving relevant mathematics problems.

# CSLOS

- Upon completion of NMAT 201C, a student should be able to read mathematical writing with understanding and use this skill as preparation to solve relevant mathematics problems.
- Upon completion of NMAT 201C, a student should be able to 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 NMAT202C, a student should be able to utilize online and other technological resources to enhance their understanding of a mathematics topic.

## NMAT 207 Pre-Algebra

- Upon completion of NMAT 207, a student should be able to interpret the results of an applied math problem at a pre-algebra level.
- Upon completion of NMAT 207, a student should be able to set up and solve applied math problems at a pre-algebra level.
- Upon completion of NMAT 207, a student should be able to simplify expressions at a pre-algebra level.
- Upon completion of NMAT 207, a student should be able to solve a multi-step equation at a pre-algebra level.

## NMAT 210 Elementary Algebra

- Upon completion of NMAT 210, a student should be able to interpret the results of an applied math problem at an elementary algebra level.
- Upon completion of NMAT 210, a student should be able to set up and solve applied math problems at an elementary algebra level.
- Upon completion of NMAT 210, a student should be able to simplify expressions at an elementary algebra level.
- Upon completion of NMAT 210, a student should be able to solve a multi-step equation at an elementary algebra level.

## NMAT 255 Intermediate Algebra

- Upon completion of NMAT 255, a student should be able to interpret the results of an applied math problem at an intermediate algebra level.
- Upon completion of NMAT 255, a student should be able to set up and solve applied math problems at an intermediate algebra level.
- Upon completion of NMAT 255, a student should be able to simplify expressions at an intermediate algebra level.
- Upon completion of NMAT 255, a student should be able to solve a multi-step equation at an intermediate algebra level.

## NMAT 255C Concurrent Support for Intermediate Algebra

- Upon completion of NMAT 255C, a student should be able to organize and justify their mathematical thinking on Intermediate Algebra problems.
- Upon completion of NMAT 255C, a student should be able to 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.
- Upon completion of NMAT 255C, a student should be able to use effective strategies to read mathematical text for understanding.
- Upon completion of NMAT 255C, a student should be able to use learning strategies to identify and communicate in their own words the key concepts of Intermediate Algebra.
- Upon completion of NMAT 255C, as student should be able to 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 256 Geometry

- Upon completion of NMAT 256, a student should be able to construct a proof.
- Upon completion of NMAT 256, a student should be able to solve triangles.

## NMAT 260A Math Jam Introduction to Tutoring

# CSLOS

- Upon completion of NMAT 260A, a student should be able to communicate effectively about theory of Growth Mindset, as an individual and as a tutor.
- Upon completion of NMAT 260A, a student should be able to navigate an online support course environment effectively.

## NMAT 260B Math Jam for Tutors

- Upon completion of NMAT 260B, a student should be able to apply mathematical concepts at a higher level.
- Upon completion of NMAT 260B, a student should be able to assist students comfortably in a lab setting.
- Upon completion of NMAT 260B, a student should be able to coach students in how to be an effective learner, using Growth Mindset theory and intelligent practices to be successful.
- Upon completion of NMAT 260B, a student should be able to model effective problem-solving, growth mindset and study skills.
- Upon completion of NMAT 260B, a student should be able to navigate an online support course environment effectively.
- Upon completion of NMAT 260B, a student should be able to provide guided math workshops to students on historically difficult topics with the support of instructors and fellow tutors.
- Upon completion of NMAT 260B, a student should be able to support students in math using best practices in teaching and learning pedagogy.

## NMAT 264 Math Jam for SLAM Preparation

- Upon completion of NMAT 264, a student should be able to apply prerequisite mathematical topics at a higher level.
- Upon completion of NMAT 264, a student should be able to 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.).
- Upon completion of NMAT 264, a student should be able to formulate short-term and long-term learning objectives based on their academic goal(s).
- Upon completion of NMAT 264, a student should be able to identify skills needed to become a more productive, successful, and independent learner.

## NMAT 265 Math Jam for BSTEM Preparation

- Upon completion of NMAT 265, a student should be able to apply prerequisite mathematical topics at a higher level.
- Upon completion of NMAT 265, a student should be able to 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.).
- Upon completion of NMAT 265, a student should be able to formulate short-term and long-term learning objectives based on their academic goal(s).
- Upon completion of NMAT 265, a student should be able to identify skills needed to become a more productive, successful, and independent learner.

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## Noncredit Tutoring

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

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### CSLOs

#### NTUT 200 Supervised Tutoring

- Students who receive tutoring should experience a welcoming, empathetic, and supportive environment.
- Students who receive tutoring should improve their course grade as a result of tutoring.
- Students who receive tutoring should use the Tutoring Center again.

# CSLOS

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## Nutrition

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

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### CSLOs

#### NTRN 1 Introduction to Nutrition Science

- Upon completion of NTRN 1, the student should be able to analyze and critically assess the reliability and credibility of nutrition information and dietary advice, services and products.
- Upon completion of NTRN 1, the student should be able to analyze assigned nutrient intake compared to standard recommendations and make suggestions for improvement/maintenance of intake.
- Upon completion of NTRN 1, the student should be able to identify the key dietary risk factors influencing the development of chronic diseases in the United States.
- Upon completion of NTRN 1, the student should be able to 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 NTRN 5, students will communicate nutrition information using credible resources.
- Upon completion of NTRN 5, students will be able to analyze and evaluate dietary intake relative to government guidelines and recommendations for athletes.
- completion of NTRN 5, students will describe the basic principles of nutrition as they relate to sports performance.

#### NTRN 10 Perspectives in Cultural Nutrition

- Upon completing NTRN 10, students will be able to describe diverse cultural beliefs, practices, and traditions related to food and nutrition.
  - Upon completing NTRN 10, students will be able to write and speak about nutrition using cultural sensitivity and respect for diverse dietary traditions and restrictions.
  - Upon completing NTRN 10, students will be able to identify health disparities faced by diverse cultural groups.
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## Occupational Safety and Health

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

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### CSLOs

#### OSH 50 Introduction to Occupational Safety and Health

- Upon completion of OSH 50, the student will be able to articulate the historical development of occupational safety in the United States.
- Upon completion of OSH 50, the student will be able to discuss the various occupational safety and health disciplines and related roles and responsibilities.
- Upon completion of OSH 50, the student will be able to implement basic safety management principles, including hazard determination and control identification, development and implementation of effective training programs, accident investigation, and OSHA required record-keeping and reporting.
- Upon completion of OSH 50, the student will be able to write an effective health and safety program that complies with OSHA requirements and adequately protects workers.

#### OSH 60 Elements of Industrial Hygiene

- Upon completion of OSH 60, the student will be able to discuss OSHA regulations related to the control of occupational health hazards.

# CSLOS

- Upon completion of OSH 60, the student will be able to identify occupational health hazards in the workplace and describe appropriate methods used to safeguard workers.
- Upon completion of OSH 60, the student will be able to recommend controls for industrial hygiene hazards that meet or exceed regulatory requirements.

## OSH 62 Physical Hazards

- Upon completion of OSH 62, the student will be able to describe the skills, knowledge and abilities needed to successfully perform the roll of a safety specialist.
- Upon completion of OSH 62, the student will be able to discuss various methods available to the safety specialist to foster a safe and healthful work environment.
- Upon completion of OSH 62, the student will be able to explain the concept of acceptable risk levels as they relate to occupational safety and health requirements.
- Upon completion of OSH 62, the student will be able to recognize hazards commonly found in the workplace and recommend appropriate controls.

## OSH 67 Comprehensive Regulatory Requirements

- Upon completion of OSH 67, the student will be able to assess the applicability of current regulations to their organization and regulatory trends needing incorporation into their health and safety program.
- Upon completion of OSH 67, the student will be able to describe the responsibilities of the employer and the employee under the Occupation Safety and Health Act.
- Upon completion of OSH 67, the student will be able to discuss the structure of an OSHA inspection and the role of the safety specialist when an OSHA inspection occurs at their workplace.
- Upon completion of OSH 67, the student will be able to discuss key aspects of code regulations, including life safety, fire safety and building codes, the function of regulatory agencies, and their impact on the role of the safety specialist.
- Upon completion of OSH 67, the student will be able to measure safety performance by calculating key injury/illness statistics and comparing those results to industry averages.

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## Philosophy

Division: A&H (Arts & Humanities)

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### CSLOs

#### PHIL 1 God, Nature, Human Nature

- Upon completion of PHIL 1, 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.
- Upon completion of PHIL 1, the student should be able to use philosophical methods to explain, apply and evaluate philosophical positions of their own and of significant historical figures.

#### PHIL 2 Ethics

- Upon completion of PHIL 2, the student should be able to apply diverse abstract ethical theories to evaluate contemporary moral challenges.
- Upon completion of PHIL 2, 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.

#### PHIL 3 Aesthetics

- Upon completion of PHIL 3, the student should be able to apply philosophical methods of artistic analysis to specific works of art.
- Upon completion of PHIL 3, 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

# CSLOS

## PHIL 4 Intro to Philosophy: Knowledge

- Upon completion of PHIL 4, 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.
- Upon completion of PHIL 4, the student should be able to use philosophical methods to explain, apply, and evaluate specific epistemic theories.

## PHIL 5 Feminist Philosophy

- Upon completion of PHIL 5, the student should be able to participate and express opinions in a group and whole-class setting in a way that is respectful and well thought-through.
- Upon completion of PHIL 5, the student should be able to use philosophical methods to explain, apply, and evaluate specific feminist theories.

## PHIL 6 Introduction to Logic

- Upon completion of PHIL 6, the student should be able to apply the basic principles of causal and probabilistic reasoning.
- Upon completion of PHIL 6, the student should be able to identify, describe and evaluate the informal logical fallacies.
- Upon completion of PHIL 6, the student should be able to use natural deduction to evaluate the validity of arguments in propositional logic.

## PHIL 8 Logic and Argumentation

- Upon completion of PHIL 8, the student should be able to check for the validity of arguments using truth tables and formal rules in a system of natural deduction.
- Upon completion of PHIL 8, the student should be able to compose an extended argumentative essay using effective logical tools and sound essay structure.
- Upon completion of PHIL 8, the student should be able to identify, critique and avoid both formal and informal fallacies in argumentation.

## PHIL 29 Independent Study, Philosophy

- No updated CSLOs

## Physics

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

### CSLOs

#### PHYS 1A General Physics I

- Upon completion of PHYS 1A, students should be able to analyze physical situations quantitatively using Newtonian mechanics and conservation laws.
- Upon completion of PHYS 1A, students should be able to design and conduct laboratory experiments, and analyze and interpret their data.
- Upon completion of PHYS 1A, students should be able to effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.

#### PHYS 1B General Physics II

- Upon completion of PHYS 1B, students should be able to analyze physical situations quantitatively using principles of hydrodynamics, thermodynamics, harmonic motion, wave motion, and optics.
- Upon completion of PHYS 1B, students should be able to design and conduct laboratory experiments, and analyze and interpret their data.
- Upon completion of PHYS 1B, students should be able to effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.



# CSLOS

## PHYS 1C General Physics III

- Upon completion of PHYS 1C, students should be able to analyze physical situations quantitatively using principles of electricity and magnetism.
- Upon completion of PHYS 1C, students should be able to design and conduct laboratory experiments, and analyze and interpret their data.
- Upon completion of PHYS 1C, students should be able to effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.

## PHYS 1D General Physics IV

- Upon completion of PHYS 1D, students should be able to analyze physical situations quantitatively using principles of relativity, quantum mechanics, nuclear physics, and particle physics.
- Upon completion of PHYS 1D, students should be able to design and conduct laboratory experiments, and analyze and interpret their data.
- Upon completion of PHYS 1D, students should be able to effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.

## PHYS 2A Introduction to Physics I

- Upon completion of PHYS 2A, students should be able to analyze physical situations quantitatively using Newtonian mechanics, conservation laws, thermodynamics, hydrodynamics, and principles of harmonic and wave motion.
- Upon completion of PHYS 2A, students should be able to design and conduct laboratory experiments, and analyze and interpret their data.
- Upon completion of PHYS 2A, students should be able to effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.

## PHYS 2B Introduction to Physics II

- Upon completion of PHYS 2B, students should be able to analyze physical situations quantitatively using principles of electricity, magnetism, relativity, quantum mechanics, nuclear physics, and particle physics.
- Upon completion of PHYS 2B, students should be able to design and conduct laboratory experiments, and analyze and interpret their data.
- Upon completion of PHYS 2B, students should be able to effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.

## PHYS 10 Descriptive Physics

- Upon completion of PHYS 10, students should be able to describe the ways in which scientific principles have shaped the modern world and relate to daily life.
- Upon completion of PHYS 10, students should be able to explain fundamental physical principles in mechanics, electricity and magnetism, thermodynamics, optics, relativity, and modern physics.
- Upon completion of PHYS 10, students should be able to use quantitative reasoning to determine relationships between physical quantities.

## PHYS 10L Descriptive Physics Laboratory

- Upon completion of PHYS 10L, students should be able to compare experimental results to accepted values and evaluate the accuracy of their experiment.
- Upon completion of PHYS 10L, students should be able to effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.
- Upon completion of PHYS 10L, students should be able to quantitatively analyze their laboratory data.

## PHYS 29 Independent Study, Physics

- No updated CSLOs

# CSLOS

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## Political Science

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

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### CSLOs

#### POLI 7 Introduction to American Government

- Upon completion of POLI 7, students will be able to analyze and critically assess various types of sources in the field of U.S. and California government and politics.
- Upon completion of POLI 7, students will be able to demonstrate understand and application of theories and concepts in U.S. and California politics.
- Upon completion of POLI 7, students will be able to explain the civil liberties and civil rights of individuals as articulated in the U.S. Constitution and federal court decisions.
- Upon completion of POLI 7, students will be able to explain the founding and development of the U.S. Constitution.
- Upon completion of POLI 7, students will be able to identify and evaluate institutions, political processes, and political sciences concepts as they apply to the United States and California.
- Upon completion of POLI 7, students will be able to research, synthesize, and argue a political thesis.

#### POLI 12 Introduction to California State and Local Government

- Upon completion of POLI 12, students will be able to demonstrate understanding of California state and local government, and intergovernmental relationships.
- Upon completion of POLI 12, students will be able to 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.
- Upon completion of POLI 12, students will be able to show understanding of the complexity of California's governing structure(s), including how we legislate, vote, live, and decide on our collective future.

#### POLI 20 Comparative Government

- Upon completion of POLI 20, students will be able to assess and analyze contemporary issues in comparative government, institutions, and political problems drawn from selected national governments.
- Upon completion of POLI 20, students will be able to assess and analyze relevant comparative theories and apply them to contemporary political phenomena.
- Upon completion of POLI 20, students will be able to demonstrate an understanding of socioeconomic and/or political power disparities existing along the lines of identities such as race, class, gender, sexuality, legal status, and religion.
- Upon completion of POLI 20, students will be able to demonstrate understanding and application of relevant comparative theories and concepts and apply them to contemporary political phenomena.

#### POLI 25 Introduction to Political Theory

- Upon completion of POLI 25, students will be able to demonstrate an understanding, ability to apply, and critically assess political theories relating to global political phenomena.
- Upon completion of POLI 25, students will be able to demonstrate understanding application of various historical and contemporary social and political theorists, theories, concepts, and source types.
- Upon completion of POLI 25, students will be able to research, synthesize, and argue a political thesis.
- Upon completion of POLI 25, students will have an understanding of socioeconomic and/or political power disparities existing along the lines of identities such as race, class, gender, sexuality, legal status, and religion.

#### POLI 26 Introduction to Gender, Sexuality, and Politics

- Upon completion of POLI 26, a student should be able to assess the importance of studying the role of gender and sexuality in American and global politics.
- Upon completion of POLI 26, a student should be able to identify and critically analyze the major theoretical perspectives that conceptualize gender and sexuality in politics.

# CSLOS

- Upon completion of POLI 26, a student should be able to identify and examine significant historical periods and events relating to politics and gender, including the contemporary political barriers confronting cis-gendered women and gender, as well as sexual minorities in politics
- Upon completion of POLI 26, a student should be able to compare and contrast the strategies, tactics, and methods employed organizing politically around issues of gender and sexuality,

## POLI 29 Independent Study, Political Science

- No updated CSLOs

## POLI 30 International Relations

- Upon completion of POLI 30, students will be able to assess and analyze contemporary issues in international relations.
- Upon completion of POLI 30, students will be able to demonstrate understanding and application of relevant international relations theories and apply them to contemporary political phenomena.

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## Psychology

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

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### CSLOs

#### PSYC 1 General Psychology

- Upon completion of PSYC 1, the student will be able to explain the major concepts, theoretical perspectives, research methods, core empirical findings, and historic trends in psychology.
- Upon completion of PSYC 1, the student will be able to discuss the impact of diversity on psychological research, theory, and application.
- Upon completion of PSYC 1, the student will be able to apply theories, concepts, and findings in psychology for self-understanding, self-improvement, and lifelong learning.
- Upon completion of PSYC 1, the student will be able to 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 PSYC 3, the student will be able to explain the major concepts, theoretical perspectives, research methods, and empirical findings in social psychology.
- Upon completion of PSYC 3, the student will be able to explain ways in which the influence of others, situational factors, and the surrounding culture affect human social behavior.
- Upon completion of PSYC 3, the student will be able to 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.
- Upon completion of PSYC 3, the student will be able to demonstrate critical thinking skills and information competence as applied to topics in social psychology.

#### PSYC 4 Brain, Mind, and Behavior

- Upon completion of PSYC 4, the student will 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.
- Upon completion of PSYC 4, the student will be able to 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.
- Upon completion of PSYC 4, the student will be able to explain scientific approaches and methodologies used for the study of brain-behavior relationships.

# CSLOS

- Upon completion of PSYC 4, the student will be able to explain the general anatomy and physiology of the nervous system and its relationship to behavior.

## PSYC 6 Abnormal Psychology

- Upon completion of PSYC 6, the student will be able to compare and contrast the various theoretical perspectives on etiology and implications for treatment of various psychological disorders.
- Upon completion of PSYC 6, the student will be able to define and use basic biological and psychological terminology to describe psychopathology and atypical behavior and mental processes.
- Upon completion of PSYC 6, the student will be able to explain specific research methods and the ethical principles for the study and treatment of psychopathology.
- Upon completion of PSYC 6, the student will be able to 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 PSYC 10, the student will be able to compare the variations in sexuality found across social classes, ethnic groups, and other species.
- Upon completion of PSYC 10, the student will be able to integrate the interaction of the biological bases of human sexuality with the psychological and historical influences in our society.
- Upon completion of PSYC 10, the student will be able to trace the development of human sexuality from childhood to old age.
- Upon completion of PSYC 10, the student will be able to understand and apply the different psychological theories to the study of human sexual behavior.

## PSYC 12 Life-Span Psychology

- Upon completion of PSYC 12, the student will be able to analyze the ways in which psychological principles and research apply to real world problems and issues across the lifespan.
- Upon completion of PSYC 12, the student will be able to demonstrate critical thinking skills and information competence as applied to topics in human development.
- Upon completion of PSYC 12, the student will be able to demonstrate familiarity with the major concepts, theoretical perspectives, research methods, and empirical findings in human development.
- Upon completion of PSYC 12, the student will be able to discuss biological, psychological, and sociocultural influences on lifespan development and the sources of developmental change.

## PSYC 13 Psychology of Women

- Upon completion of PSYC 13, the student will be able to analyze the ways in which the course material could be applied to real world problems and issues.
- Upon completion of PSYC 13, the student will be able to apply theories, concepts and findings in the field of psychology of women for self-understanding, self-improvement, and lifelong learning.
- Upon completion of PSYC 13, the student will be able to demonstrate critical thinking skills and information competence as applied to topics in the field of psychology of women.
- Upon completion of PSYC 13, the student will be able to demonstrate familiarity with the major concepts, theoretical perspectives, research methods, and empirical findings in the field of the psychology of women.
- Upon completion of PSYC 13, the student will be able to explain ways in which gender stereotypes, sexism, and various cultural influences affect genderrelated human behavior.

## PSYC 15 Abnormal Child Psychology

- Upon completion of PSYC 15, the student will be able to analyze how cultural contexts relate to the perception, diagnosis, and treatment of problems.
- Upon completion of PSYC 15, the student will be able to compare and contrast the major psychological, biological, and sociocultural models of mental health and contemporary methods of treatment.
- Upon completion of PSYC 15, the student will be able to describe contemporary methods used in the evaluation, assessment, and diagnosis of children and adolescents.
- Upon completion of PSYC 15, the student will be able to explain the major mental health disorders, cognitive disorders, and learning disabilities of childhood and adolescence.

# CSLOS

## PSYC 17 The Psychology of Sleep and Dreams

- Upon completion of PSYC 17, the student should be able to analyze the methods used in the scientific study of sleep and dreams behavior.
- Upon completion of PSYC 17, the student should be able to contrast the causes and treatments for the major sleep disorders.
- Upon completion of PSYC 17, the student should be able to discuss the major theories and concepts of sleep and dreams.

## PSYC 21 Psychology of Race and Identity

- Upon completion of PSYC 21, the student will be able to appraise one's own ethnic/cultural origins and one's biases towards certain groups.
- Upon completion of PSYC 21, the student will be able to compare and contrast research biases in the study of individuals from diverse populations.
- Upon completion of PSYC 21, the student will be able to compare and contrast the effects of prejudice, stereotyping, and discriminatory attitudes and behaviors upon majority and minority groups.
- Upon completion of PSYC 21, the student will be able to describe skills that enhance cross-cultural communication, interactions, and relationships.
- Upon completion of PSYC 21, the student will be able to describe stressors related to acculturation into a new society.
- Upon completion of PSYC 21, the student will be able to explain how culture affects the conceptualization of mental health, symptomology and help seeking behaviors.

## PSYC 25 Research Methods

- Upon completion of PSYC 25, the student will be able to analyze the structure of scientific inquiry, including the history and philosophy of scientific investigation.
- Upon completion of PSYC 25, the student will be able to apply psychological content for personal, professional and lifelong learning goals.
- Upon completion of PSYC 25, the student will be able to 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.
- Upon completion of PSYC 25, the student will be able to discuss the advantages and limitations of different research methods used in psychological research, and the importance of reliability and validity in determining research quality.
- Upon completion of PSYC 25, the student will be able to discuss the importance of ethical principles in psychological research involving human and nonhuman animals and the historical events that led to these principles.

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## Psychology Counseling

Division: Student Services

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### CSLOs

#### PCN 3 Theories and Concepts of Counseling: An Introduction

- Upon successful completion of PCN 3, the student will be able to explain the major theories, models, and recent trends in counseling theory.
- Upon successful completion of PCN 3, the student will be able to discuss the major therapeutic interventions in counseling and how they cause behavioral change.
- Upon successful completion of PCN 3, the student will be able to explain the legal and ethical considerations and their implications in counseling.

# CSLOS

## PCN 5 Introduction to Social Work and Human Services

- Upon completion of PCN 5, the student will be able to analyze various case studies to determine the proper role of a social worker and the various factors influencing the situation.
- Upon completion of PCN 5, the student will be able to identify the legal, ethical, and professional practice responsibilities of working within social work and human service organizations.
- Upon completion of PCN 5, the student will be able to 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 PCN 10, the student will be able to define their top personal values that they want exemplified in their career choices and in life.
- Upon completion of PCN 10, the student will be able to demonstrate understanding of their personality strengths and synthesize this information towards their career decision making.
- Upon completion of PCN 10, the student will be able to set a short term career or educational goal with specific steps to reach it.

## PCN 13 Multicultural Issues in Contemporary America

- Upon completion of PCN 13, the student will be able 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.
- Upon completion of PCN 13, the student will be able to explain and analyze the difference between stereotyping, prejudice, discrimination, and institutional racism.
- Upon completion of PCN 13, the student will be able to demonstrate an understanding of the identity development theories and apply the course concepts to case studies.

## PCN 15 College Study Skills

- Upon completion of PCN 15, the student will be able to describe how their organization and management of resources impact the achievement of stated goals.
- Upon completion of PCN 15, the student will be able to develop personal outcome for focal course.
- Upon completion of PCN 15, the student will be able to identify at least two areas of personal growth that need attention.
- Upon completion of PCN 15, the student will be able to identify the neurological basis for information processing, learning, attention and memory and their connection to study and learning strategies.
- Upon completion of PCN 15, the student will be able to identify their preferred learning styles and explain how they can use this information to be effective learners in classroom settings.
- Upon completion of PCN 15, the student will be able to identify time management techniques and explain how they can apply them in their own lives.

## PCN 18 University Transfer Planning

- Upon completion of PCN 18, the student will be able to demonstrate the ability to articulate an individualized educational pathway toward achieving his/her transfer goal(s).
- Upon completion of PCN 18, the student will be able to demonstrate the ability to develop a Transfer Action Plan for an individual transfer goal.
- Upon completion of PCN 18, the student will be able to demonstrate the ability to identify a top barrier for transfer, and locate a campus resource to help overcome that barrier.

## PCN 25 Transition to College

- Upon completion of PCN 25, the student will be able to complete the English/Math assessments to determine their placement for English and Math classes.
- Upon completion of PCN 25, the student will be able to demonstrate awareness of 5 campus resources.
- Upon completion of PCN 25, the student will be able to develop at least a one semester abbreviated student education plan (SEP).

## PCN 30 Student Success and the College Experience

# CSLOS

- Upon successful completion of PCN 30, students will be able to evaluate their personal level of self-awareness, responsibility, and motivation to integrate alternate strategies that support their college success.
- Upon successful completion of PCN 30, students will be able to implement and develop long-range educational goals by identifying appropriate courses.
- Upon successful completion of PCN 30, students will be able to locate and access resources and services on campus that promote and improve their learning.

## PCN 35 Drugs, Health, and Society

- Upon completion of PCN 35, the student will be able describe the neurological and physiological responses to various types of drugs.
- Upon completion of PCN 35, the student will be able to identify the factors associated with the use of specific substances of abuse.
- Upon completion of PCN 35, the student will be able to use drug laws to evaluate historical legal cases and situations related to substance abuse.

## PCN 50 Social Work and Human Services Seminar

- Upon completion of PCN 50, the student should be able to identify resources and services that clients need and depend upon, and how they can be accessed.
- Upon completion of PCN 50, the student should be able to identify barriers that clients face when accessing social services.

## PCN 50L Social Work and Human Services Fieldwork

- Upon completion of PCN 50L, the student should be able to evaluate their development of work skills and achievement of learning objectives established by the student.

## Photography

Division: A&H (Arts & Humanities)

### CSLOs

#### PHTO 29P Independent Study, Photography

- No updated CSLOs

#### PHTO 29V Independent Study, Video Production

- No updated 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 51A Individual Projects A

- Upon completion of this course, the student should be able to produce a portfolio of photographic prints demonstrating proficiency with film-based darkroom or digital, computer-based equipment.

#### PHTO 51B Individual Projects B

- Upon completion of this course, the student should be able to produce a portfolio of photographic prints demonstrating proficiency with film-based darkroom or digital, computer-based equipment.

#### PHTO 56 Introduction to Digital Photography

# CSLOS

- Upon completion of this course, the student should be able to demonstrate the effective use of techniques used to control and enhance a given captured digital image, i.e. levels, contrast, hue/saturation.

## PHTO 57 Intermediate Digital Photography

- Upon completion of this course, the student should be able to create a printed hard-copy portfolio of class assignments.
- Upon completion of this course, the student should be able to create an online portfolio of photographic images from class assignments.

## 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 60 Intermediate Black and White Photography

- Upon completion of this course, the student should be able to demonstrate visual skills of black and white photography including composition and black and white aesthetics, and provide evidence of these skills in a portfolio of student work.

## PHTO 64A Artificial Light Photography

- Upon completion of this course, the student should be able to produce portraits using various poses, light patterns and light ratios.

## PHTO 66 Digital Imaging

- No updated CSLOs

## 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.

## PHTO 68 Color Field Photography

- Upon completion of PHTO 68, student will be able to use photographic filters to solve exposure issues.
- Upon completion of PHTO 68, students will be able to use cameras on-location to capture images of various subject matter.
- Upon completion of PHTO 68, students will use natural and artificial lighting in the field for creative and technical control of photographs.

## 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 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
- Upon completion of this course, the student should be able to use Lightroom's Camera Raw editing capabilities to modify and edit Photos
- Upon completion of this course, the student should be able to Output a collection of photos to the web, photo printer, or 3rd party photo printing service
- Upon completion of this course, the student should be able to Use photographic tools within Photoshop for advanced editing

## PHTO 72 Introduction to Photojournalism



# CSLOS

- Upon completion of PHTO 72, student should be able to demonstrate typology as a method of photographic documentation
- Upon completion of PHTO 72, student should be able to photograph a news assignment.

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## Radiation Safety

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

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### CSLOs

#### RADS 40A Radiation Safety

- Upon completion of RADS 40A, the student will be able to identify the basic principles of atomic energy, radioactivity, and decay.
- Upon completion of RADS 40A, the student will be able to assess hazards associated with the use of ionizing radiation.
- Upon completion of RADS 40A, the student will be able to determine biological effects and risks from radiation exposure.

#### RADS 40B Emergency Response and Monitoring

- Upon completion of RADS 40B, the student will be able to identify proper instruments for characterization of radiological conditions.
- Upon completion of RADS 40B, the student will be able to evaluate data from radiation measurement equipment.
- Upon completion of RADS 40B, the student will be able to identify emergency response resources at the federal, state, international, and industry levels.

#### RADS 40C Safety Controls and Regulation

- Upon completion of RADS 40C, the student will be able to identify appropriate waste disposal processes.
- Upon completion of RADS 40C, the student will be able to describe requirements for safe transportation of radiological materials.
- Upon completion of RADS 40C, the student will be able to determine pathways for radiological transport in the environment and sampling strategies.

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## Religious Studies

Division: A&H (Arts & Humanities)

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### CSLOs

#### RELS 1 Religions of the World

- Upon completion of RELS 1, the student should be able to compare and contrast the teaching of major religious figures.
- Upon completion of RELS 1, the student should be able to identify the core beliefs of each major world religion.

#### RELS 2 Bible: History and Literature

- Upon completion of RELS 2, the student should be able to apply historical, critical and literary methods to the study of the Hebrew Bible and New Testament.

# CSLOS

## RELS 3 Intro to Women's Spirituality

- Upon completion of RELS 3, the student should be able to analyze and discuss religious symbolism in the spiritual writings of women across cultures.
- Upon completion of RELS 3, the student should be able to articulate the various ways in which women have expressed and enacted their spiritual experiences, insights, and understandings.
- Upon completion of RELS 3, the student should be able to compare and contrast the spiritual values of women across multi-cultural and multireligious perspectives.
- Upon completion of RELS 3, the student should be able to demonstrate a sensitivity to the ways in which gender issues shape women's spirituality.

## RELS 11 The Nature of Islam

- Upon completion of RELS 11, the student should be able to effectively map the historical elements of Islam to practices and beliefs of contemporary Muslim communities.

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## Sociology

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

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### CSLOs

#### SOC 1 Principles of Sociology

- Upon completion of SOC 1, the students should be able to outline major sociological theories.
- Upon completion of SOC 1, the students should be able to apply major sociological theories to world events.
- Upon completion of SOC 1, the students should be able to outline the symbiotic relationship between culture and social structure.
- Upon completion of SOC 1, the students should be able to explain how identities such as race, gender, sexuality, and class are socially constructed.
- Upon completion of SOC 1, the students should be able to produce a document that connects sociological research methods to sociological theory.

#### SOC 3 Introduction to Race and Ethnicity

- Upon completion of SOC 3, the students should be able to outline relevant sociological theories to accurately explain how race and ethnicity are socially constructed.
- Upon completion of SOC 3, the students should be able to analyze current or historical racial and ethnic group relations using sociological theory.
- Upon completion of SOC 3, the students should be able to conduct a research assignment using a multi-model sociological approach.
- Upon completion of SOC 3, the students should be able to produce an academic document that connects sociological research methods to sociological theory.

#### SOC 4 Marriage and Family Relations

- Upon completion of SOC 4, the students should be able to outline multiple family theories.
- Upon completion of SOC 4, the students should be able to apply family theory to changing family structures.
- Upon completion of SOC 4, the students should be able to produce a document that connects sociological research methods to family theory.

#### SOC 5 Introduction to Global Studies

- Upon completion of SOC 5, the students should be able to analyze a current event using a variety of international news sources.
- Upon completion of SOC 5, the students should be able to apply world systems theory to explain global phenomena.

# CSLOS

- Upon completion of SOC 5, the students should be able to identify concrete examples of the various ways that culture is globalized.
- Upon completion of SOC 5, the students should be able to produce an academic document which connects sociological research methods to globalization theory.

## SOC 6 Social Problems

- Upon completion of SOC 6, the students should be able to outline multiple sociological theories.
- Upon completion of SOC 6, the students should be able to apply sociological theory to current social problems.
- Upon completion of SOC 6, the students should be able to produce an academic document which connects sociological research methods to sociological theory.

## SOC 7 Sociology of Sexuality

- Upon completion of SOC 7, the students should be able to outline major sociological theories of sexuality
- Upon completion of SOC 7, the students should be able to apply major sociological theories of sexuality to current sexual practices
- Upon completion of SOC 7, the students should be able to produce a document which connects sociological research methods to sexuality theory

## SOC 11 Sociology of Gender

- Upon completion of SOC 11, the students should be able to outline major sociological theories of gender.
- Upon completion of SOC 11, the students should be able to apply major sociological theories of gender to explain current gender practices.
- Upon completion of SOC 11, the students should be able to produce an academic document that connects sociological research methods to gender theory.

## SOC 12 Popular Culture

- Upon completion of SOC 12, the students should be able to identify various theories of popular culture.
- Upon completion of SOC 12, the students should be able to outline the various processes of globalizing popular culture.
- Upon completion of SOC 12, the students should be able to outline the growing role of popular culture in the various stages of socialization.
- Upon completion of SOC 12, the students should be able to apply content analysis methodology to various popular culture mediums.
- Upon completion of SOC 12, the students should be able to identify the impact of popular culture consumption on our political processes.
- Upon completion of SOC 12, the students should be able to produce an academic document that connects sociological research to theories of popular culture.

## SOC 13 Research Methods

- Upon completion of SOC 13, the students should be able to recognize the value of sociological research in understanding the social world.
- Upon completion of SOC 13, the students should be able to assess the effectiveness of the major types of sociological research methods.
- Upon completion of SOC 13, the students should be able to critique sociological research articles and research-based media claims.
- Upon completion of SOC 13, the students should be able to understand the ethical and political issues surrounding sociological research.
- Upon completion of SOC 13, the students should be able to design an appropriate analytical approach for testing a hypothesis.
- Upon completion of SOC 13, the students should be able to produce a research proposal incorporating appropriate methods to investigate a research question.

## SOC 29 Independent Study, Sociology

- No updated CSLOs

# CSLOS

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## Spanish

Division: A&H (Arts & Humanities)

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### CSLOs

#### SPAN 1A Beginning Spanish

- Upon completion of SPAN 1A, students will be able to comprehend spoken Spanish at the beginning level.
- Upon completion of SPAN 1A, students will be able to orally communicate at the beginning level.
- Upon completion of SPAN 1A, students will be able to write at the beginning level.

#### SPAN 1B Elementary Spanish

- Upon completion of SPAN 1B, students will be able to comprehend spoken Spanish at the advanced beginning level.
- Upon completion of SPAN 1B, students will be able to orally communicate at the advanced beginning level.
- Upon completion of SPAN 1B, students will be able to write at the advanced beginning level.

#### SPAN 2A Intermediate Spanish I

- Upon completion of SPAN 2A, students will be able to comprehend spoken Spanish at the intermediate level.
- Upon completion of SPAN 2A, students will be able to orally communicate at the intermediate level.
- Upon completion of SPAN 2A, students will be able to write at the intermediate level.

#### SPAN 2B Intermediate Spanish II

- Upon completion of SPAN 2B, students will be able to comprehend spoken Spanish at the advanced intermediate level.
- Upon completion of SPAN 2B, students will be able to orally communicate at the advanced intermediate level.
- Upon completion of SPAN 2B, students will be able to write at the advanced intermediate level.

#### SPAN 21 Spanish Speakers I

- Upon completion of SPAN 21, students will be able to write a composition of at least 500 words demonstrating the correct use of an expanded vocabulary, using advanced grammatical structures, and appropriate register.

#### SPAN 22 Spanish Speakers II

- Upon completion of SPAN 22, students will be able to write a composition of at least 650 words demonstrating the correct use of orthography, cohesion between sentences and paragraphs, advanced grammatical structures, and appropriate register.

#### SPAN 29 Independent Study, Spanish

- No updated CSLOs
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## Teaching and Learning Center

Division: Administrative Units

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### CSLO

- No CSLOs

# CSLOS

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## Theater Arts

Division: A&H (Arts & Humanities)

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### CSLOs

#### THEA 1 Conservatory Readiness

- Upon completion of THEA 1, the student should be able to perform a monologue for audition or live audience presentation.
- Upon completion of THEA 1, the student should be able to learn a short series of dance patterns and common steps for performance
- Upon completion of THEA 1, the student should be able to perform with confidence 16 measures of music from a selected musical theater piece.
- Upon completion of THEA 1, the student should be able to present a professional resume.

#### THEA 1A Theory/Practice of Acting I

- Upon completion of THEA 1A, the student should be able to participate with creativity and confidence in group theater exercises and improvisations.
- Upon completion of THEA 1A, the student should be able to perform a scripted scene with a partner before a live audience.
- Upon completion of THEA 1A, the student should be able to perform a short monologue at an audition.
- Upon completion of THEA 1A, the student should be able to speak and write constructive criticism of acting in live performance.
- Upon completion of THEA 1A, the student should be able to 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 THEA 1B, students should be able to demonstrate the various rehearsal techniques necessary to perform specific styles of theater beyond contemporary realism.

#### THEA 3A Beginning Improvisation

- Upon completion of THEA 3A, the student should be able to apply the rules of improvisation to in-class performances.
- Upon completion of THEA 3A, the student should be able to define vocabulary terms used in Improvisation.
- Upon completion of THEA 3A, the student should be able to demonstrate creative and supportive ensemble participation.

#### THEA 3B Intermediate Improvisation

- Upon completion of THEA 3B, the student should be able to critique a live improvisation and identify the use of accepted rules of engagement.
- Upon completion of THEA 3B, the student should be able to demonstrate the ability to act appropriately and spontaneously to a variety of audio, visual, or written materials without prior rehearsal.
- Upon completion of THEA 3B, the student should be able to synthesize the ideas of others within an improvisation.

#### THEA 3C Improvisation in Performance

- Upon completion of THEA 3C, the student should be able to determine audience appropriate language within an improvisational performance.
- Upon completion of THEA 3C, the student should be able to evaluate in writing effective performance techniques of observed improvisation performances.
- Upon completion of THEA 3C, the student should be able to perform effective vocal and physical performance techniques within an improvisational performance.

# CSLOS

## THEA 4 Modern American Theater

- Upon completing THEA 4, the student should be able to discuss ethnic-theater related issues.
- Upon completing THEA 4, the student should be able to identify and analyze a work of American Theater, arguing its relevance in the American cannon.
- Upon completing THEA 4, the student should be able to trace the history of a specific ethnic group and articulate their representation in the canon of American Theater.

## THEA 5 Theater for Young Audiences

- Upon completion of THEA 5, the student should be able to apply various skills to create a children's show, in areas such as performance, costumes, props, audio effects, set building, stage managing, or public relations.
- Upon completion of THEA 5, the student should be able to articulate the history of children's theater and its role in society, both in terms performance and written work.
- Upon completion of THEA 5, the student should be able to evaluate and analyze a script for rehearsal and performance.
- Upon completion of THEA 5, the student should be able to perform a scene utilizing specific techniques of acting and stagecraft that are unique to theater for young audiences.

## THEA 10 Introduction to Dramatic Arts

- 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 THEA 11, the student should be able to analyze motion pictures utilizing proper film vocabulary.
- Upon completion of THEA 11, the student should be able to compare and contrast stage scripts and film adaptations.
- Upon completion of THEA 11, the student should be able to discuss the purposes of dramatic art (film and theatrical).
- Upon completion of THEA 11, the student will be able to identify important movements and developments in theater and film history.

## THEA 25 Fundamentals of Stage Speech

- Upon completion of THEA 25, the student should be able to apply basic skills and methods of voice & speech production to prepare for a role onstage.
- Upon completion of THEA 25, the student should be able to apply elements of the International Phonetic Alphabet as a personal standard in text analysis.
- Upon completion of THEA 25, the student should be able to perform a compelling solo piece utilizing voice & speech techniques for greater clarity and effectiveness.
- Upon completion of THEA 25, the student should be able to speak effectively for the stage using both General American Stage Speech, as well as their distinct cultural voice and individual idiolect.

## THEA 29A Independent Study, Theater

- No updated CSLOs

## THEA 29S Independent Study, Stagecraft

- No updated CSLOs

## THEA 31A Drama Workshop- Beginning

- Upon completion of THEA 31A, the student should be able to create and dramatize the behavioral life of a character in rehearsal and performance using basic acting skills.

# CSLOS

- Upon completion of THEA 31A, the student should be able to demonstrate a responsible work ethic within a professional framework of collaboration with directors and fellow actors in rehearsal and performance.
- Upon completion of THEA 31A, the student should be able to evaluate and analyze a script for rehearsal and performance.
- Upon completion of THEA 31A, the student should be able to use basic production elements such as props, costumes, and sets to create the world of a play.

## THEA 31B Drama Workshop- Intermediate

- Upon completion of THEA 31B, the student should be able to assist in the design of basic production elements such as props, costumes, and sets to create the world of a play.
- Upon completion of THEA 31B, the student should be able to create and dramatize the behavioral life of a character in rehearsal and performance using intermediate acting skills.
- Upon completion of THEA 31B, the student should be able to demonstrate a responsible work ethic within a professional framework of collaboration with directors and fellow actors in rehearsal and performance.
- Upon completion of THEA 31B, the student should be able to evaluate and analyze a script for rehearsal and performance.

## THEA 31C Drama Workshop- Technical THEA

- Upon completion of THEA 31C, the student should be able to create and dramatize the behavioral life of a character in rehearsal and performance using advanced acting skills.
- Upon completion of THEA 31C, the student should be able to assist in the design of basic production elements such as props, costumes, and sets to create the world of a play.
- Upon completion of THEA 31C, the student should be able to demonstrate a responsible work ethic within a professional framework of collaboration with directors and fellow actors in rehearsal and performance.
- Upon completion of THEA 31C, the student should be able to evaluate and analyze a script for rehearsal and performance.

## THEA 31D Drama Workshop- Directing

- Upon completion of THEA 31D, the student should be able to create the staging of a play using basic principles of blocking.
- Upon completion of THEA 31D, the student should be able to demonstrate a responsible work ethic within a professional framework of collaboration with student actors and fellow directors in rehearsal and performance.
- Upon completion of THEA 31D, the student should be able to design production elements such as props, costumes, and sets to create the world of a play, in collaboration with the technical director.
- Upon completion of THEA 31D, the student should be able to evaluate and analyze a script for rehearsal and performance using basic principles of directing.
- Upon completion of THEA 31D, the student should be able to interpret the behavioral life of characters in rehearsal and performance using basic directing skills.

## THEA 39A Musical THEA Workshop- Beginning

- Upon completion of THEA 39A, the student will be able to create a professional portfolio for auditioning with sheet music.
- Upon completion of THEA 39A, the student will be able to demonstrate a responsible work ethic within a professional framework of collaboration in rehearsal and performance.
- Upon completion of THEA 39A, the student will be able to examine major genres and contributors of the American Musical Theater.
- Upon completion of THEA 39A, the student will be able to prepare, rehearse and perform a duet scene/song from a musical.
- Upon completion of THEA 39A, the student will be able to research and analyze the character, scene, song and show of a performed musical theater solo.
- Upon completion of THEA 39A, the student will be able to synthesize basic acting, movement and singing skills to create a truthful song performance.

## THEA 39B Musical THEA Workshop- Intermed

# CSLOS

- Upon completion of THEA 39B, the student will be able to create a professional portfolio for auditioning with sheet music, resume and headshot/photo.
- Upon completion of THEA 39B, the student will be able to demonstrate a responsible work ethic within a professional framework of collaboration in rehearsal and performance.
- Upon completion of THEA 39B, the student will be able to examine major genres and contributors of the American Musical Theater.
- Upon completion of THEA 39B, the student will be able to synthesize intermediate acting, movement and singing skills to create a truthful song performance.

## THEA 39C Musical THEA Workshop- Advanced

- Upon completion of THEA 39C, the student will be able to create a professional portfolio for auditioning with sheet music, resume and headshot/photo.
- Upon completion of THEA 39C, the student will be able to demonstrate a responsible work ethic within a professional framework of collaboration in rehearsal and performance.
- Upon completion of THEA 39C, the student will be able to examine major genres and contributors of the American Musical Theater.
- Upon completion of THEA 39C, the student will be able to synthesize advanced acting, movement and singing skills to create a truthful song performance.

## THEA 47A Perform in Prod: Intro Live

- Upon completion of THEA 47A, the student will be able to apply physical and vocal techniques in rehearsal and performance.
- Upon completion of THEA 47A, the student will be able to identify and explain the responsibilities of an actor in a play.
- Upon completion of THEA 47A, the student will be able to rehearse and perform a characterization that is believable, accurate, consistent and energized in a play.
- Upon completion of THEA 47A, the student will be able to research, describe and evaluate the historical and literary elements of a play.
- Upon completion of THEA 47A, the student will be able to score an acting scene, describing beats of action, objectives, obstacles and tactics, and emotional shifts.
- Upon completion of THEA 47A, the student will be able to work constructively with fellow actors and with staff in a theatrical production.

## THEA 47B Performance in Prod: Beginning

- Upon completion of THEA 47B, the student should be able to analyze the text and given character to create a live performance.
- Upon completion of THEA 47B, the student should be able to determine the appropriate theatrical style and conventions for character development (farce, realism, Brecht, post-modern presentationalism, etc.).
- Upon completion of THEA 47B, the student should be able to develop an understanding of the role of the character within the context of the play, identifying relationships and specific actions and character choices unique to the examination and portrayal of those relationships.
- Upon completion of THEA 47B, the student should be able to use two rehearsal techniques for creating character and making acting choices (Adler, Stanislavski, Hagen, Meisner, improvisation, Epic, etc.).

## THEA 47C Performance in Prod: Intermed.

- Upon completion of THEA 47C, the student should be able to analyze the play to serve as support for fellow cast members.
- Upon completion of THEA 47C, the student should be able to build collaboration and trust with ensemble members by serving as a positive and professional example during note giving and creative staff interactions.
- Upon completion of THEA 47C, the student should be able to develop a personalized, systematic, approach for memorization.
- Upon completion of THEA 47C, the student should be able to make complex, creative, and bold acting choices during the rehearsal process as a means of creative exploration.
- Upon completion of THEA 47C, the student should be able to research, practice, and prepare a series of personal physical and vocal warm-ups, to be completed at each rehearsal and performance.



# CSLOS

## THEA 47D Performance in Prod: Advanced

- Upon completion of THEA 47D, the student should be able to create a leading role character, and perform this role in a live theatre event.
- Upon completion of THEA 47D, the student should be able to create a small outreach event to bring theater to local organizations, schools, and community centers.
- Upon completion of THEA 47D, the student should be able to demonstrate professionalism in community outreach events and public publicity endeavors to advertise the program and production to local community.
- Upon completion of THEA 47D, the student should be able to develop and create a physical and vocal expression of a character.
- Upon completion of THEA 47D, the student should be able to integrate production elements from director, choreographer, and musical director feedback.
- Upon completion of THEA 47D, the student should be able to lead other cast members in exercises and warm-ups valuable to the rehearsal process.
- Upon completion of THEA 47D, the student should be able to work at an accelerated pace to create character and perfect memorization.

## THEA 48A Tech Theater Prod- Beginning

- Upon completion of THEA 48A, the student should be able to recognize and use backstage and shop terminology, tools, materials and techniques.
- Upon completion of THEA 48A, the student should be able to serve as a member of the running crew of a play or musical.
- Upon completion of THEA 48A, the student should be able to work collaboratively with designers, technicians, and other theatre personnel.

## THEA 48B Tech Theater Prod- Intermediate

- Upon completion of THEA 48B, 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.
- Upon completion of THEA 48B, the student should be able to serve in an entry-level leadership position or as a key member of a crew of a theatrical performance.
- Upon completion of THEA 48B, the student should be able to work and problem solve in one or more areas of technical theatre.
- Upon completion of THEA 48B, the student should be able to work collaboratively with designers, technicians, and other theatre personnel.

## THEA 48C Tech Theater Prod- Advanced

- Upon completion of THEA 48C, 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.
- Upon completion of THEA 48C, the student should be able to work as a designer or assistant designer at a beginning or intermediate level.
- Upon completion of THEA 48C, the student should be able to work collaboratively with designers, technicians, and other theatre personnel.

## THEA 48D Tech Theater Prod- Capstone

- Upon completion of THEA 48D, the student should be able to work collaboratively with designers, technicians, and other theatre personnel.
- Upon completion of THEA 48D, the student should be able to 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 THEA 50, the student should be able to analyze technical theatre production problems; evaluate alternatives and recommend solutions.
- Upon completion of THEA 50, the student should be able to recognize and use at a fundamental level terminology, tools, materials, and processes and techniques, typically found in a theatrical environment.

# CSLOS

- Upon completion of THEA 50, the student should be able to recognize theatrical crew organization, and perform basic tasks typically associated with lighting, sound, scenic, or costume crews.
- Upon completion of THEA 50, the student should be able to work collaboratively with designers, technicians, and other theatre personnel.

## THEA 50L Introduction to Stage Lighting

- Upon completion of THEA 50L, students should be able to evaluate the effective use of lighting in a production.
- Upon completion of THEA 50L, the student should be able to 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.
- Upon completion of THEA 50L, the student should be able to produce all technical and creative paperwork for a lighting plot for an assigned production or repertory plot.
- Upon completion of THEA 50L, the student should be able to recognize and use lighting control and lighting terminology, tools, materials and techniques.

## THEA 51 Introduction to Costume Design

- Upon completion of THEA 51, the student will be able to analyze a play script to create a design concept.
- Upon completion of THEA 51, the student will be able to evaluate the effective use of costume in production.
- Upon completion of THEA 51, the student will be able to use historical research methods in creating a costume design.
- Upon completion of THEA 51, the student will be able to utilize costume construction methods to execute a costume.

## THEA 52 Introduction to Design

- Upon completion of THEA 52, the student should be able to analyze a script and create a scenic, lighting, sound, or costume design for an assigned production.
- Upon completion of THEA 52, the student should be able to evaluate the effectiveness of a scenic, lighting, sound, or costume design in a given production at a fundamental level.
- Upon completion of THEA 52, the student should be able to produce fundamental technical and creative paperwork for a scenic, lighting, costume, or sound design for an assigned production.
- Upon completion of THEA 52, the student should be able to recognize and use theatrical design terminology, tools, materials and techniques.

## THEA 53 Script Analysis

- Upon completion of THEA 53, the student should be able to compare a live theatre production to its original script, identifying artistic choices that support or distract from the original script.
- Upon completion of THEA 53, the student should be able to evaluate scripts using a variety of different critical analysis methods: Formalistic, Historical, Genre, Socio-Political, Mythic-Psychological.
- Upon completion of THEA 53, the student should be able to identify production aspects within a script that might influence performance, costume, scenic, sound, lighting, or props.

## THEA 54 Shakespeare

- Upon completion of THEA 54, the student should be able to create an accurate and personal paraphrase of Shakespeare's text.
- Upon completion of THEA 54, the student should be able to identify essential repeated sounds in a text and articulate and embody how these point to a character's active and emotional state.
- Upon completion of THEA 54, the student should be able to scan Shakespearean verse to identify rhythm (including iambic pentameter, trochaic meter, feminine endings) and articulate and embody how these changes in rhythm inform the character's state of mind.
- Upon completion of THEA 54, the student should be able to score Shakespearean text to identify major punctuation and rhetorical devices (including figures of balance, repetition, contraction, and expansion) and articulate and embody how these strategies inform a character's thought process.

## THEA 55 Movement for the Actor

# CSLOS

- Upon completion of THEA 55, the student should be able to demonstrate the use of physicality in storytelling by creating three short presentations using the techniques of a chosen methodology (Alexander, Laban, Suzuki, Viewpoints).
- Upon completion of THEA 55, the student should be able to design a personalized physical warm up and maintenance schedule for the body as an instrument in performing as an actor.
- Upon completion of THEA 55, the student should be able to execute activities and sequences that demonstrate the Alexander Technique, Laban, Suzuki, and the Viewpoints methods of movement.

## THEA 56 Acting for the Camera I

- Upon completion of THEA 56, student should be able to implement and evaluate single-camera acting techniques for film and television.
- Upon completion of THEA 56, the student should be able to list and locate casting breakdowns, understand explain union affiliations, and consider representation.
- Upon completion of THEA 56, the student should be able to recognize and define camera and on-set terminology, and vocabulary.

## THEA 57A Performance Prod- Introduction

- Upon completion of THEA 57A, students should be able to create and dramatize the behavioral life of a character during rehearsal and musical theater performance.
- Upon completion of THEA 57A, students should be able to evaluate and analyze a libretto and vocal score for rehearsal and musical performance.
- Upon completion of THEA 57A, students should be able to use characterization, singing technique and/or dance.

## THEA 57B Performance in Prod. Beginning

- Upon completion of THEA 57B, the student should be able to complete a thorough and written character analysis, completed with imagined and specified historical background of the character.
- Upon completion of THEA 57B, the student should be able to use at least two rehearsal techniques for creating character and making acting choices.

## THEA 57C Performance Prod- Intermediate

- Upon completion of THEA 57C, the student should be able to analyze the musical libretto to serve as support for fellow cast members.
- Upon completion of THEA 57C, the student should be able to demonstrate characterization choices through physical movement such as body language and choreography.
- Upon completion of THEA 57C, the student should be able to develop a personalized, systematic approach for memorization.
- Upon completion of THEA 57C, the student should be able to research, practice, and prepare a series of personal physical and vocal warm-ups.

## THEA 57D Performance Prod- Advanced

- Upon completion of THEA 57D, the student should be able to create a leading role character and perform this role in a live theater event.
- Upon completion of THEA 57D, the student should be able to create and develop a vocal expression of a character.
- Upon completion of THEA 57D, the student should be able to express a professional work ethic through collaboration, respect, and a positive attitude.
- Upon completion of THEA 57D, the student should be able to integrate performance notes from the director, choreographer, and musical director at an accelerated pace.
- Upon completion of THEA 57D, the student should be able to memorize libretto at an accelerated deadline.

## THEA 58 Stage Combat

- Upon completion of THEA 58, students should be able to analyze a scripted scene for fight choreography notation.
- Upon completion of THEA 58, students should be able to participate with safety and confidence in armed and unarmed stage combat.
- Upon completion of THEA 58, students should be able to perform a short scene with armed and unarmed stage combat as a certification requirement.

# CSLOS

- Upon completion of THEA 58, students should be able to write a character and play analysis based on a reading of the play from which an acting scene has been assigned.

## THEA 59 Acting for the Camera II/Voice

- Upon completion of THEA 59, students should be able to analyze a script for performance in front of a camera.
- Upon completion of THEA 59, students should be able to demonstrate a "cold read" of a script in front of a camera.
- Upon completion of THEA 59, students should be able to develop and perform character voices for voice-over projects.
- Upon completion of THEA 59, students should be able to prepare for and create on-camera and/or voice-over auditions.

## THEA 60 Business of Acting

- Upon completion of THEA 60, students should be able to assemble a headshot and resume for the purposes of auditioning and marketing materials.
- Upon completion of THEA 60, students should be able to give critical feedback to the audition work of others.
- Upon completion of THEA 60, students should be able to perform classical and contemporary short monologues.
- Upon completion of THEA 60, students should be able to perform short scenes in a "Showcase" format.

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## Tutoring Program

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

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### CSLOs

- No CSLOs
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## Tutoring

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

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### CSLOs

#### TUTR 17A Tutoring Theory and Practice I

- Upon completion of TUTR 17A, the student should be able to describe essential components of the beginning, middle, and end of a tutoring session.
- Upon completion of TUTR 17A, the student should be able to evaluate their implementation of key components of a tutoring session.

#### TUTR 17B Tutoring Theory and Practice II

- Upon completion of TUTR 17B, the student should be able to explicitly teach metacognitive learning strategies.
- Upon completion of TUTR 17B, the student should be able to perform a self-evaluation of their use of tutoring techniques during a tutoring session.
- Upon completion of TUTR 17B, the student should be able to use active listening strategies to become aware of students' learning processes.

# CSLOS

## TUTR 17C Tutoring Theory and Practice III

- Upon completion of TUTR 17C, the student should be able to explain how learning theories impact their approach to tutoring.
- Upon completion of TUTR 17C, the student should be able to perform a self-evaluation of their use of tutoring techniques during a tutoring session.
- Upon completion of TUTR 17C, the student should be able to use scaffolding and Socratic Method to teach hidden curriculum topics.

## Welding Technology

### CSLOs

#### WLDT 1 Welding Camp

- Upon completion of WLDT 1, a student should be able to demonstrate safe basic hand tool usage.
- Upon completion of WLDT 1, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 1, a student should be able to fabricate a simplistic metal project.

#### WLDT 10 Machining for the Metal Trades

- Upon completion of WLDT 10, a student should be able to demonstrate precision measuring using a caliper.
- Upon completion of WLDT 10, a student should be able to demonstrate precision measuring using a micrometer.
- Upon completion of WLDT 10, a student should be able to demonstrate safe usage of a metal turning lathe.
- Upon completion of WLDT 10, a student should be able to demonstrate safe usage of a milling machine.
- Upon completion of WLDT 10, a student should be able to demonstrate safety awareness in the machining workplace.

#### WLDT 55 Print Reading for Industry

- Upon completion of WLDT 55, a student should be able to demonstrate GD&T symbol identification and usage.
- Upon completion of WLDT 55, a student should be able to identify the three primary views in an orthographic drawing.
- Upon completion of WLDT 55, a student should be able to read and interpret a detail part drawing.

#### WLDT 61 Welding Ferrous Metals

- Upon completion of WLDT 61, a student should be able to demonstrate knowledge of the American Welding Society ferrous electrode numbering system.
- Upon completion of WLDT 61, a student should be able to 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 61A Beginning SMAW and FCAW Theory

- Upon completion of WLDT 61A, a student should be able to demonstrate knowledge of the American Welding Society (AWS) SMAW electrode numbering system.
- Upon completion of WLDT 61A, a student should be able to demonstrate usage of welding symbols used on blueprints and technical drawings.
- Upon completion of WLDT 61A, a student should be able to identify welding electrodes used for common industrial welding processes/applications.

#### WLDT 61AL SMAW Skills Laboratory

- Upon completion of WLDT 61AL, a student should be able to demonstrate safety awareness in the welding workplace.

# CSLOS

- Upon completion of WLDT 61AL, a student should be able to demonstrate skills required to pass AWS D1.1 - 1G limited thickness A36 steel test plate using SMAW.
- Upon completion of WLDT 61AL, a student should be able to demonstrate skills required to pass an AWS D1.1 - 1G limited thickness A36 steel test plate using FCAW.

## WLDT 61B Advanced SMAW and FCAW Theory

- Upon completion of WLDT 61B, a student should be able to demonstrate knowledge of common heat-treating processes for carbon steel.
- Upon completion of WLDT 61B, a student should be able to demonstrate knowledge of the American Welding Society (AWS) Flux Core Arc Welding (FCAW) electrode numbering system.
- Upon completion of WLDT 61B, a student should be able to using the AISI Steel Numbering System, identify carbon content in steel samples.

## WLDT 61BL FCAW Skills Laboratory

- Upon completion of WLDT 61BL, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 61BL, a student should be able to demonstrate skills required to pass AWS D1.1 - 3G limited thickness A36 steel test plate using FCAW.
- Upon completion of WLDT 61BL, a student should be able to demonstrate skills required to pass AWS D1.1 - 3G limited thickness A36 steel test plate using SMAW.

## WLDT 62 Welding Nonferrous Metals

- Upon completion of WLDT 62, a student should be able to demonstrate knowledge of the American Welding Society non ferrous electrode numbering system.
- Upon completion of WLDT 62, a student should be able to demonstrate knowledge of Gas Metal Arc Welding, Flux Cored Arc Welding and Gas Tungsten Arc Welding used for joining non ferrous metals.

## WLDT 62A Beginning GTAW and GMAW Theory

- Upon completion of WLDT 62A, a student should be able to demonstrate knowledge of GMAW torch components.
- Upon completion of WLDT 62A, a student should be able to demonstrate knowledge of GTAW essential torch components.
- Upon completion of WLDT 62A, a student should be able to demonstrate usage of the AISI numbering system to identify carbon content in steel samples.

## WLDT 62AL GTAW Skills Laboratory

- Upon completion of WLDT 62AL, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 62AL, a student should be able to demonstrate skills required to pass AWS D1.1 - 1G limited thickness A36 steel test plate using GMAW.
- Upon completion of WLDT 62AL, a student should be able to demonstrate skills required to pass AWS D1.1 - 1G limited thickness A36 steel test plate using GTAW.

## WLDT 62B Advanced GTAW and GMAW Theory

- Upon completion of WLDT 62B, a student should be able to demonstrate knowledge of the American Welding Society GMAW steel electrode numbering system.
- Upon completion of WLDT 62B, a student should be able to demonstrate knowledge of the American Welding Society GTAW steel electrode color code.
- Upon completion of WLDT 62B, a student should be able to demonstrate usage of the AISI numbering system to identify carbon content in steel samples.
- Upon completion of WLDT 62B, a student should be able to demonstrate usage of the AWS numbering system for GMAW steel electrodes.
- Upon completion of WLDT 62B, a student should be able to demonstrate usage of the AWS numbering system for GTAW tungsten electrodes.

## WLDT 62BL GMAW Skills Laboratory

# CSLOS

- Upon completion of WLDT 62BL, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 62BL, a student should be able to demonstrate skills required to pass AWS D1.1 - 3G limited thickness A36 steel test plate using GMAW.
- Upon completion of WLDT 62BL, a student should be able to demonstrate skills required to pass AWS D1.1 - 3G limited thickness A36 steel test plate using GTAW.

## WLDT 63 Welding Layout and Fitting

- Upon completion of WLDT 63, a student should be able to layout, cut, form, fit and weld a circular ring of a specified diameter.
- Upon completion of WLDT 63, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 63, a student should be able to layout, Cut, Form, Fit, Weld a simple rectangular sheet metal box.

## WLDT 66 Welding Inspection and Testing

- Upon completion of WLDT 66, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 66, a student should be able to demonstrate use and identify welding defects using Magnetic Particle Testing (MT).
- Upon completion of WLDT 66, a student should be able to layout, cut, form, fit and weld a circular ring of a specified diameter.

## WLDT 67A Elementary Welding Skills Laboratory

- Upon completion of WLDT 67A, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 67A, a student should be able to demonstrate self directed goals achievement.

## WLDT 67B Basic Welding Skills Laboratory

- Upon completion of WLDT 67B, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 67B, a student should be able to demonstrate achievement of self directed goals.

## WLDT 67C Intermediate Welding Skills Laboratory

- Upon completion of WLDT 67C, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 67C, a student should be able to demonstrate self-directed goals achievement.

## WLDT 67D Advanced Welding Skills Laboratory

- Upon completion of WLDT 67D, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 67D, a student should be able to demonstrate self-directed goals achievement.

## WLDT 67L Welding Skills Laboratory

- Upon completion of WLDT 67L, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 67L, a student should be able to demonstrate self directed goals achievement.

## WLDT 68 Certification Preparation

- Upon completion of WLDT 68, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 68, a student should be able to demonstrate self directed goals achievement.

## WLDT 69A Beginning Pipe Welding

# CSLOS

- Upon completion of WLDT 69A, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 69A, a student should be able to 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.
- Upon completion of WLDT 69A, a student should be able to layout longitudinal and circumferential lines on a piece of pipe.

## WLDT 69AL Beginning Pipe Welding Skills Laboratory

- Upon completion of WLDT 69A, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 69A, a student should be able to 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.
- Upon completion of WLDT 69A, a student should be able to layout longitudinal and circumferential lines on a piece of pipe.

## WLDT 69B Advanced Pipe Welding

- Upon completion of WLDT 69B, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 69B, a student should be able to 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.
- Upon completion of WLDT 69B, a student should be able to layout a mitered offset on a piece of pipe.

## WLDT 69BL Advanced Pipe Welding Skills Laboratory

- Upon completion of WLDT 69B, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 69B, a student should be able to 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.
- Upon completion of WLDT 69B, a student should be able to layout a mitered offset on a piece of pipe.

## WLDT 70 Introduction to Welding

- Upon completion of WLDT 70, a student should be able to demonstrate safe use of SMAW equipment.
- Upon completion of WLDT 70, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 70, a student should be able to identify welding electrodes used for common industrial welding processes/applications.

## WLDT 71 Welding for the Arts

- Upon completion of WLDT 71, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 71, a student should be able to demonstrate the ability to form a piece of metal to the desired shape based on a template.
- Upon completion of WLDT 71, a student should be able to identify common metals used for creating metal sculpture.

## WLDT 72 Laser Welding and Cutting

- Upon completion of WLDT 72A, the student should be able to calculate the power density of a laser weld based on a given spot size.

## WLDT 73 Welding Workplace Safety

- Upon completion of WLDT 73, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 73, a student should be able to identify and describe the Focus Four Hazards.
- Upon completion of WLDT 73, a student will earn an OSHA 10 Safety Certification.



# CSLOS

## WLDT 75 Measurements and Calculations

- No updated CSLOs

## WLDT 79 Manufacturing Process

- Upon completion of WLDT 79, a student should be able to produce a manufacturing traveler for a manufactured item or component.
- Upon completion of WLDT 79, a student should be able to provide an oral description of the processes used to make a manufactured item.

## Women's Studies

### CSLOs

#### WMST 1 Introduction to Women's Studies

- Upon completion of WMST 1, students will be able to identify the multiple types of feminism that currently exist in the United States.
- Upon completion of WMST 1, students will be able to illustrate connections between global, national, and local issues in relationship to women's experiences and human rights.
- Upon completion of WMST 1, students will be able to recognize the ways in which social institutions and power structures impact women's lives.

#### WMST 2 Global Perspective of Women

- Upon completion of WMST 2, students will be able to articulate the intersections between gender, and other racial and cultural identities.
- Upon completion of WMST 2, students will be able to evaluate a variety of sources including print and electronic media, film, and video.
- Upon completion of WMST 2, students will be able to identify transnational feminist movements.

## Work Experience

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

### CSLOs

#### WRKX 94 Occupational Work Experience/Internship

- Upon completion of WRKX 94, the student should be able to achieve workplace learning objectives established by the student, supervisor, and instructor.
- Upon completion of WRKX 94, the student should be able to describe professional work skills in the workplace.
- Upon completion of WRKX 94, the student should be able to write a professional résumé including work experience completed during the course.

#### WRKX 95 General Work Experience

- Upon completion of WRKX 95, the student should be able to achieve workplace learning objectives established by the student, supervisor, and instructor.
- Upon completion of WRKX 95, the student should be able to describe professional work skills in the workplace.

# CSLOS

- Upon completion of WRKX 95, the student should be able to write a self-analysis essay about development of work skills and achievement of learning objectives.

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## Viticulture and Winery Tech

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

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### CSLOs

#### VWT 1 World Wines: New World

- Upon completion of VWT 1, the student will be able to compare and contrast the geography, history and evolution of "old world" wines/"new world" wines.
- Upon completion of VWT 1, the student will be able to describe the basics of the sensory evaluation of wine, including olfactory, palate, objective and subjective approaches to tasting.
- Upon completion of VWT 1, the student will be able to list the predominate grapes and notable producers from the leading American wine-producing regions.

#### VWT 2 World Wines: Old World

- Upon completion of VWT 2, the student will be able to compare and contrast the geography, history and evolution of "old world" wines/"new world" wines.
- Upon completion of VWT 2, the student will be able to describe the basics of the sensory evaluation of wine, including olfactory, palate, objective and subjective approaches to tasting.
- Upon completion of VWT 2, the student will be able to list the predominate grapes and notable producers from the leading French wine-producing regions.

#### VWT 10 Introduction to Viticulture

- Upon completion of VWT 10, students should be able to describe the seasonal appearance and physiological functions of a grapevine from "pruned" dormancy to harvest.
- Upon completion of VWT 10, students should be able to identify the external, structural components of a modern trellis system trained grape vine.

#### VWT 12 Landscape and Vineyard Soils, Fertilizers, and Irrigation

- Upon completion of VWT 12, students should be able to accurately describe the "capillary action" of soil.
- Upon completion of VWT 12, students should be able to accurately describe what "field capacity" is and the different ways that it can be reached.

#### VWT 20 Introduction to Enology

- Upon completion of VWT 20, students should be able to explain the impact that oak aging can have on the organoleptic components of red and white wines.
- Upon completion of VWT 20, students should be able to explain the process of alcoholic fermentation.

#### VWT 21 Applied Enology

- No updated CSLOs

#### VWT 23 Fundamentals of Wine Science

- The student will be able to identify the external, structural components of a modern trellis system trained grape vine
- The student will be able to describe the seasonal appearance and physiological functions of a grapevine from "pruned" dormancy to harvest

#### VWT 25 Sensory Analysis of Wines

# CSLOS

- Upon completion of VWT 25, students 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.
- Upon completion of VWT 25, students should be able to describe the organoleptic properties of both sound and flawed wines.

## VWT 29 Independent Study, Viticulture and Winery Technology

- No updated CSLOs

## VWT 31 Fall Vineyard Operations

- Upon completion of VWT 31, students should be able to demonstrate the knowledge of assessing the ripeness of grapes using multiple tools including digital and analog refractometers, a hydrometer, and by using a learned organoleptic approach.
- Upon completion of VWT 31, students should be able to demonstrate the skills required to correctly prune a grapevine which has been trained to spur pruning including cordon and head trained vines.
- Upon completion of VWT 31, students should be able to identify the external, structural components of a modern trellis system trained grape vine.

## VWT 32 Spring Vineyard Operations

- Upon completion of VWT 32, students should be able to demonstrate knowledge of the multiple cultural practices that encompass vineyard floor management including, weed abatement, erosion control, burrowing pest controls and covercropping.
- Upon completion of VWT 32, students should be able to demonstrate the skills required to improve grape quality by the seasonal spring time cultural practice of thinning buds and shoots.
- Upon completion of VWT 32, students should be able to identify the external, structural components of a modern trellis system trained grape vine.

## VWT 33 Summer Viticulture Operations

- Upon completion of VWT 33, students should be able to identify and explain the functions of the components that make up a working vineyard irrigation system including PVC piping and fittings, low voltage valves, filters, tubing, emitters and the system controller.
- Upon completion of VWT 33, students should be able to identify the external, structural components of a modern trellis system trained grape vine.

## VWT 35 Landscape and Vineyard Pest and Disease Management

- Upon completion of VWT 35, students should be able to describe what a nematode is and what threats it poses to the vine (rootstock).

## VWT 41 Fall Winery Operations

- Upon completion of VWT 41, students should be able to demonstrate a working knowledge for "racking" wine.
- Upon completion of VWT 41, students should be able to demonstrate a working knowledge of the fermentation process.

## VWT 42 Winery Operations II

- Upon completion of VWT 42, students should be able to demonstrate a working knowledge of the fermentation process.
- Upon completion of VWT 42, students should be able to demonstrate proficiency at measuring and analyzing the required analysis parameters of must and wine.

## VWT 45 Food and Wine Pairing

- Upon completion of VWT 45, students should be able to accurately describe a wine's qualities.

## VWT 47 Wine Regions/Wines of Calif

- Upon completion of VWT 47, students should be able to accurately describe a wine's qualities.

# CSLOS

## VWT 55 Wine Service and Sales

- Upon completion of VWT 55, the student will be able to describe the models and concepts of the wine hospitality industry.
- Upon completion of VWT 55, the student will be able to design, organize, and care for a wine list.
- Upon completion of VWT 55, the student will be able to explain the roles of aperitifs, cordials, and other spirits in the dining experience

## Welding Technology

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

### CSLOs

#### WLDT 1 Welding Camp

- Upon completion of WLDT 1, a student should be able to demonstrate safe basic hand tool usage.
- Upon completion of WLDT 1, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 1, a student should be able to fabricate a simplistic metal project.

#### WLDT 10 Machining for the Metal Trades

- Upon completion of WLDT 10, a student should be able to demonstrate precision measuring using a caliper.
- Upon completion of WLDT 10, a student should be able to demonstrate precision measuring using a micrometer.
- Upon completion of WLDT 10, a student should be able to demonstrate safe usage of a metal turning lathe.
- Upon completion of WLDT 10, a student should be able to demonstrate safe usage of a milling machine.
- Upon completion of WLDT 10, a student should be able to demonstrate safety awareness in the machining workplace.

#### WLDT 55 Print Reading for Industry

- Upon completion of WLDT 55, a student should be able to demonstrate GD&T symbol identification and usage.
- Upon completion of WLDT 55, a student should be able to identify the three primary views in an orthographic drawing.
- Upon completion of WLDT 55, a student should be able to read and interpret a detail part drawing.

#### WLDT 61 Welding Ferrous Metals

- Upon completion of WLDT 61, a student should be able to demonstrate knowledge of the American Welding Society ferrous electrode numbering system.
- Upon completion of WLDT 61, a student should be able to 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 61A Beginning SMAW and FCAW Theory

- Upon completion of WLDT 61A, a student should be able to demonstrate knowledge of the American Welding Society (AWS) SMAW electrode numbering system.
- Upon completion of WLDT 61A, a student should be able to demonstrate usage of welding symbols used on blueprints and technical drawings.
- Upon completion of WLDT 61A, a student should be able to identify welding electrodes used for common industrial welding processes/applications.

#### WLDT 61AL SMAW Skills Laboratory

- Upon completion of WLDT 61AL, a student should be able to demonstrate safety awareness in the welding workplace.

# CSLOS

- Upon completion of WLDT 61AL, a student should be able to demonstrate skills required to pass AWS D1.1 - 1G limited thickness A36 steel test plate using SMAW.
- Upon completion of WLDT 61AL, a student should be able to demonstrate skills required to pass an AWS D1.1 - 1G limited thickness A36 steel test plate using FCAW.

## WLDT 61B Advanced SMAW and FCAW Theory

- Upon completion of WLDT 61B, a student should be able to demonstrate knowledge of common heat-treating processes for carbon steel.
- Upon completion of WLDT 61B, a student should be able to demonstrate knowledge of the American Welding Society (AWS) Flux Core Arc Welding (FCAW) electrode numbering system.
- Upon completion of WLDT 61B, a student should be able to using the AISI Steel Numbering System, identify carbon content in steel samples.

## WLDT 61BL FCAW Skills Laboratory

- Upon completion of WLDT 61BL, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 61BL, a student should be able to demonstrate skills required to pass AWS D1.1 - 3G limited thickness A36 steel test plate using FCAW.
- Upon completion of WLDT 61BL, a student should be able to demonstrate skills required to pass AWS D1.1 - 3G limited thickness A36 steel test plate using SMAW.

## WLDT 62 Welding Nonferrous Metals

- Upon completion of WLDT 62, a student should be able to demonstrate knowledge of the American Welding Society non ferrous electrode numbering system.
- Upon completion of WLDT 62, a student should be able to demonstrate knowledge of Gas Metal Arc Welding, Flux Cored Arc Welding and Gas Tungsten Arc Welding used for joining non ferrous metals.

## WLDT 62A Beginning GTAW and GMAW Theory

- Upon completion of WLDT 62A, a student should be able to demonstrate knowledge of GMAW torch components.
- Upon completion of WLDT 62A, a student should be able to demonstrate knowledge of GTAW essential torch components.
- Upon completion of WLDT 62A, a student should be able to demonstrate usage of the AISI numbering system to identify carbon content in steel samples.

## WLDT 62AL GTAW Skills Laboratory

- Upon completion of WLDT 62AL, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 62AL, a student should be able to demonstrate skills required to pass AWS D1.1 - 1G limited thickness A36 steel test plate using GMAW.
- Upon completion of WLDT 62AL, a student should be able to demonstrate skills required to pass AWS D1.1 - 1G limited thickness A36 steel test plate using GTAW.

## WLDT 62B Advanced GTAW and GMAW Theory

- Upon completion of WLDT 62B, a student should be able to demonstrate knowledge of the American Welding Society GMAW steel electrode numbering system.
- Upon completion of WLDT 62B, a student should be able to demonstrate knowledge of the American Welding Society GTAW steel electrode color code.
- Upon completion of WLDT 62B, a student should be able to demonstrate usage of the AISI numbering system to identify carbon content in steel samples.
- Upon completion of WLDT 62B, a student should be able to demonstrate usage of the AWS numbering system for GMAW steel electrodes.
- Upon completion of WLDT 62B, a student should be able to demonstrate usage of the AWS numbering system for GTAW tungsten electrodes.

## WLDT 62BL GMAW Skills Laboratory

# CSLOS

- Upon completion of WLDT 62BL, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 62BL, a student should be able to demonstrate skills required to pass AWS D1.1 - 3G limited thickness A36 steel test plate using GMAW.
- Upon completion of WLDT 62BL, a student should be able to demonstrate skills required to pass AWS D1.1 - 3G limited thickness A36 steel test plate using GTAW.

## WLDT 63 Welding Layout and Fitting

- Upon completion of WLDT 63, a student should be able to layout, cut, form, fit and weld a circular ring of a specified diameter.
- Upon completion of WLDT 63, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 63, a student should be able to layout, Cut, Form, Fit, Weld a simple rectangular sheet metal box.

## WLDT 66 Welding Inspection and Testing

- Upon completion of WLDT 66, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 66, a student should be able to demonstrate use and identify welding defects using Magnetic Particle Testing (MT).
- Upon completion of WLDT 66, a student should be able to layout, cut, form, fit and weld a circular ring of a specified diameter.

## WLDT 67A Elementary Welding Skills Laboratory

- Upon completion of WLDT 67A, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 67A, a student should be able to demonstrate self directed goals achievement.

## WLDT 67B Basic Welding Skills Laboratory

- Upon completion of WLDT 67B, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 67B, a student should be able to demonstrate achievement of self directed goals.

## WLDT 67C Intermediate Welding Skills Laboratory

- Upon completion of WLDT 67C, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 67C, a student should be able to demonstrate self-directed goals achievement.

## WLDT 67D Advanced Welding Skills Laboratory

- Upon completion of WLDT 67D, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 67D, a student should be able to demonstrate self-directed goals achievement.

## WLDT 67L Welding Skills Laboratory

- Upon completion of WLDT 67L, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 67L, a student should be able to demonstrate self directed goals achievement.

## WLDT 68 Certification Preparation

- Upon completion of WLDT 68, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 68, a student should be able to demonstrate self directed goals achievement.

## WLDT 69A Beginning Pipe Welding

# CSLOS

- Upon completion of WLDT 69A, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 69A, a student should be able to 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.
- Upon completion of WLDT 69A, a student should be able to layout longitudinal and circumferential lines on a piece of pipe.

## WLDT 69AL Beginning Pipe Welding Skills Laboratory

- Upon completion of WLDT 69A, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 69A, a student should be able to 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.
- Upon completion of WLDT 69A, a student should be able to layout longitudinal and circumferential lines on a piece of pipe.

## WLDT 69B Advanced Pipe Welding

- Upon completion of WLDT 69B, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 69B, a student should be able to 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.
- Upon completion of WLDT 69B, a student should be able to layout a mitered offset on a piece of pipe.

## WLDT 69BL Advanced Pipe Welding Skills Laboratory

- Upon completion of WLDT 69B, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 69B, a student should be able to 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.
- Upon completion of WLDT 69B, a student should be able to layout a mitered offset on a piece of pipe.

## WLDT 70 Introduction to Welding

- Upon completion of WLDT 70, a student should be able to demonstrate safe use of SMAW equipment.
- Upon completion of WLDT 70, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 70, a student should be able to identify welding electrodes used for common industrial welding processes/applications.

## WLDT 71 Welding for the Arts

- Upon completion of WLDT 71, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 71, a student should be able to demonstrate the ability to form a piece of metal to the desired shape based on a template.
- Upon completion of WLDT 71, a student should be able to identify common metals used for creating metal sculpture.

## WLDT 72 Laser Welding and Cutting

- Upon completion of WLDT 72A, the student should be able to calculate the power density of a laser weld based on a given spot size.

## WLDT 73 Welding Workplace Safety

- Upon completion of WLDT 73, a student should be able to demonstrate safety awareness in the welding workplace.
- Upon completion of WLDT 73, a student should be able to identify and describe the Focus Four Hazards.
- Upon completion of WLDT 73, a student will earn an OSHA 10 Safety Certification.

# CSLOS

## WLDT 75 Measurements and Calculations

- No updated CSLOs

## WLDT 79 Manufacturing Process

- Upon completion of WLDT 79, a student should be able to produce a manufacturing traveler for a manufactured item or component.
  - Upon completion of WLDT 79, a student should be able to provide an oral description of the processes used to make a manufactured item.
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