Florida State College at Jacksonville
District Board of Trustees
DEEP DIVE WORKSHOP/MEETING
AGENDA
May 12, 2026 – Noon
Administrative Offices, Board Room 405

CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Presenter: Board Chair Roderick Odom

WELCOME

Presenter: President John Avendano, Ph.D.

INFORMATION/DISCUSSION

A. Investment Performance Review

Presenters:
U.S. Bancorp Asset Management, Inc. Senior Institutional Client Portfolio Manager Scott Grimm, CFA
PFM Asset Management Institutional Sales & Relations Manager Datnilza Metz, CTP

B. 2026/27 Budget Overview

Presenter: Vice President of Finance and Administration Dr. Wanda Ford

COMMENTS BY THE PUBLIC

The District Board of Trustees welcomes public comments on the matter being addressed during today's meeting. Individuals wishing to address the Board must complete a Public Comment Request Form* prior to the meeting. The Board Chair will recognize speakers, and comments are limited to three (3) minutes per person. The Board is not required to respond.

ACTION ITEM

1. Academic Affairs: Amendment to the 2026-2027 Annual Institutional Review of General Education Courses

NEXT MEETING

The next regular meeting of the Board is scheduled for Tuesday, June 19, 2026, at the College's Administrative Offices.

ADJOURNMENT

** Please refer to the FSCJ DBOT webpage for procedures and information regarding "Public Comments." The FSCJ DBOT webpage may be accessed through the College's website at https://www.fscj.edu/dbot.*

Florida State College at Jacksonville
District Board of Trustees

AGENDA ITEM NO. A – 1.

Subject:	Academic Affairs: Amendment to the 2026-2027Annual Institutional Review of General Education Courses
Meeting Date:	May 12, 2026

RECOMMENDATION: It is recommended that the District Board of Trustees approve an amended list of the College's list of general education courses for the 2026-2027 academic year.

The amended list removes Sociology as a general education course option, to comply with a requirement established by the State Board of Education at their April 17, 2026, meeting. During the Summer 2025 term, a review of the College's 88 general education courses, including both the state core and non-core (institutional) courses, was facilitated by the Office of Curriculum Services for compliance with the principles, standards, and content in sections 1007.25 and 1007.55, Florida Statutes. Additionally, a review of the general education core courses was conducted by faculty subject matter experts in the School of Liberal Arts and Sciences.

Enclosed is Florida State College at Jacksonville's amended General Education Course List for 2026-2027, along with a course detail table prepared on FLDOE's provided template.

BACKGROUND: The District Board of Trustees previously reviewed and approved the College's list of general education courses for the 2026-2027 academic year at its August 2025 meeting. That list, which complied with all requirements in place at that time, was submitted to the state and approved by the State Board of Education at its January 2026 meeting. This amended list is being presented directly to the District Board of Trustees pursuant to the State Board of Education's action on April 17, 2026, and in light of guidance from the Florida College System that provided a May 29, 2026, deadline for Florida College System institutions to submit amended, institutionally approved lists to the state. This action will be shared with the College's curriculum committee as an information item at its next meeting.

RATIONALE: This amendment to the College's annual review of its general education course inventory will ensure statutory compliance while facilitating the seamless transfer and articulation of students' credits throughout the Florida College System and State University System.

FISCAL NOTES: No fiscal impact is anticipated.

Statewide Course Numbering System
General Education Course Report

Prefix	Level	Course Number	Lab	Course Title	Credit	General Ed Core Discipline Area	General Ed Discipline Area	Course Review Status
AMH	2	010		UNITED STATES HISTORY TO 1877	3.0	Social Sciences	Social Sciences	No Updates
AMH	2	020		UNITED STATES HISTORY FROM 1877 TO THE PRESENT	3.0	Social Sciences	Social Sciences	Updated
AMH	2	070		HISTORY OF FLORIDA	3.0		Social Sciences	No Updates
AML	2	010		EARLY AMERICAN LITERATURE: COLONIAL TIMES TO THE CIVIL WAR	3.0		Humanities	No Updates
AML	2	020		LATE AMERICAN LITERATURE: THE CIVIL WAR TO THE PRESENT	3.0		Humanities	No Updates
ANT	2	000		GENERAL ANTHROPOLOGY	3.0	Social Sciences	Social Sciences	No Updates
ARH	2	000		ART IN THE HUMANITIES	3.0	Humanities	Humanities	No Updates
ARH	2	050		ART HISTORY FROM PREHISTORY TO 15TH CENTURY	3.0		Humanities	Updated
ARH	2	051		ART HISTORY FROM 15TH TO 21ST CENTURY	3.0		Humanities	No Updates
AST	1	002		INTRODUCTION TO ASTRONOMY	3.0	Natural Science	Natural Science	No Updates
AST	1	002	L	ASTRONOMY LABORATORY	1.0		Natural Science	No Updates
BOT	1	010	C	INTRODUCTION TO BOTANY	4.0		Natural Science	No Updates
BSC	1	005		LIFE IN ITS BIOLOGICAL ENVIRONMENT	3.0	Natural Science	Natural Science	No Updates
BSC	1	005	L	BIOLOGY LABORATORY	1.0		Natural Science	No Updates
BSC	2	010	C	PRINCIPLES OF BIOLOGY I	4.0	Natural Science	Natural Science	Updated
BSC	2	011	C	PRINCIPLES OF BIOLOGY II	4.0		Natural Science	Updated
BSC	2	020	C	HUMAN BIOLOGY	4.0		Natural Science	No Updates
BSC	2	050		BIOLOGY OF ENVIRONMENTAL SYSTEMS	3.0		Natural Science	No Updates
BSC	2	085	C	HUMAN ANATOMY AND PHYSIOLOGY I	4.0	Natural Science	Natural Science	No Updates
BSC	2	086	C	HUMAN ANATOMY AND PHYSIOLOGY II	4.0		Natural Science	No Updates
CHM	1	020		CHEMISTRY FOR LIBERAL ARTS	3.0	Natural Science	Natural Science	No Updates
CHM	1	025	C	INTRODUCTION TO GENERAL CHEMISTRY	4.0		Natural Science	No Updates
CHM	1	032	C	PRINCIPLES OF GENERAL CHEMISTRY	4.0		Natural Science	No Updates
CHM	2	045	C	GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS I	4.0	Natural Science	Natural Science	No Updates
CHM	2	046	C	GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS II	4.0		Natural Science	No Updates
DAN	2	100		DANCE IN THE HUMANITIES	3.0		Humanities	No Updates
DEP	2	004		HUMAN GROWTH AND DEVELOPMENT	3.0		Social Sciences	Updated
ECO	2	013		ECONOMICS I - PRINCIPLES OF MACROECONOMICS	3.0	Social Sciences	Social Sciences	No Updates
ENC	1	101		ENGLISH COMPOSITION I	3.0	Communications	Communications	No Updates
ENC	1	101	C	ENGLISH COMPOSITION I ENHANCED	4.0	Communications	Communications	No Updates
ENC	1	102		WRITING ABOUT TEXTS	3.0		Communications	No Updates
ENG	2	100		FILM STUDIES	3.0		Humanities	No Updates
ENL	2	012		ENGLISH LITERATURE TO 1750	3.0		Humanities	No Updates
ENL	2	022		ENGLISH LITERATURE SINCE 1750	3.0		Humanities	No Updates
ESC	1	000		EARTH AND SPACE SCIENCE	3.0	Natural Science	Natural Science	No Updates
ESC	1	000	L	EARTH AND SPACE SCIENCE LABORATORY	1.0		Natural Science	No Updates
EVR	1	001		INTRODUCTION TO ENVIRONMENTAL SCIENCE	3.0	Natural Science	Natural Science	No Updates
GLY	1	010	C	PHYSICAL GEOLOGY AND LABORATORY	4.0		Natural Science	No Updates
HUM	2	210		HUMANITIES: PREHISTORY TO THE 15TH CENTURY	3.0		Humanities	No Updates
HUM	2	020		TOPICS IN THE HUMANITIES	3.0	Humanities	Humanities	No Updates
HUM	2	230		HUMANITIES: MAINSTREAMS OF CULTURES, 14TH TO 19TH CENTURY	3.0		Humanities	No Updates
HUM	2	250		HUMANITIES: 20TH AND 21ST CENTURY CULTURAL PERSPECTIVES	3.0		Humanities	No Updates
INR	2	002		INTERNATIONAL RELATIONS	3.0		Social Sciences	No Updates
ISC	1	075		PRINCIPLES OF SCIENCE AND INVESTIGATION	3.0		Natural Science	No Updates
LAH	2	020		HISTORY OF LATIN AMERICA	3.0		Social Sciences	No Updates
LIT	2	000		LITERATURE IN THE HUMANITIES	3.0	Humanities	Humanities	No Updates
LIT	2	100		GREAT IDEAS IN WORLD LITERATURE	3.0		Humanities	No Updates
MAC	1	105		COLLEGE ALGEBRA	3.0	Math	Math	No Updates
MAC	1	105	C	COLLEGE ALGEBRA ENHANCED	5.0	Math	Math	No Updates
MAC	1	114		COLLEGE TRIGONOMETRY	3.0		Math	No Updates
MAC	1	140		PRECALCULUS ALGEBRA	4.0		Math	No Updates
MAC	1	147		PRECALCULUS ALGEBRA AND TRIGONOMETRY	5.0		Math	No Updates
MAC	2	233		CALCULUS FOR BUSINESS AND SOCIAL SCIENCES	3.0		Math	No Updates

Statewide Course Numbering System
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MAC	2	311		CALCULUS WITH ANALYTIC GEOMETRY I	4.0	Math	Math	No Updates
MAC	2	312		CALCULUS WITH ANALYTIC GEOMETRY II	4.0		Math	No Updates
MAC	2	313		CALCULUS WITH ANALYTIC GEOMETRY III	4.0		Math	No Updates
MAP	2	302		DIFFERENTIAL EQUATIONS	3.0		Math	No Updates
MCB	2	010	C	MICROBIOLOGY	4.0		Natural Science	No Updates
MGF	1	106		TOPICS IN COLLEGE MATHEMATICS	3.0		Math	Removed from General Education
MGF	1	107		EXPLORATIONS IN MATHEMATICS	3.0		Math	Removed from General Education
MGF	1	130		MATHEMATICAL THINKING	3.0	Math	Math	No Updates
MGF	1	131		MATHEMATICS IN CONTEXT	3.0		Math	No Updates
MUL	2	010		MUSIC IN THE HUMANITIES	3.0	Humanities	Humanities	No Updates
OCB	2	000	C	FUNDAMENTALS OF MARINE BIOLOGY	4.0		Natural Science	No Updates
OCE	2	001		SURVEY OF OCEANOGRAPHY	3.0	Natural Science	Natural Science	No Updates
OCE	2	001	L	OCEANOGRAPHY LABORATORY	1.0		Natural Science	No Updates
PHI	2	010		PHILOSOPHY IN THE HUMANITIES	3.0	Humanities	Humanities	No Updates
PHI	2	600		INTRODUCTION TO ETHICS	3.0		Humanities	No Updates
PHY	1	020	C	PHYSICS FOR LIBERAL ARTS WITH LABORATORY	3.0	Natural Science	Natural Science	No Updates
PHY	2	048	C	PHYSICS I WITH CALCULUS	4.0	Natural Science	Natural Science	No Updates
PHY	2	049	C	PHYSICS II WITH CALCULUS	4.0		Natural Science	No Updates
PHY	2	053	C	GENERAL PHYSICS I	4.0	Natural Science	Natural Science	No Updates
PHY	2	054	C	GENERAL PHYSICS II	4.0		Natural Science	No Updates
POS	2	041		AMERICAN FEDERAL GOVERNMENT	3.0	Social Sciences	Social Sciences	No Updates
POS	2	112		STATE AND LOCAL GOVERNMENT	3.0		Social Sciences	No Updates
PSC	1	341		PHYSICAL SCIENCE	3.0		Natural Science	No Updates
PSY	1	012		GENERAL PSYCHOLOGY	3.0	Social Sciences	Social Sciences	No Updates
REL	2	000		RELIGION IN THE HUMANITIES	3.0		Humanities	Updated
REL	2	300		WORLD RELIGIONS	3.0		Humanities	No Updates
SPC	2	017		INTRODUCTION TO SPEECH COMMUNICATIONS	3.0		Communications	Updated
SPC	2	608		FUNDAMENTALS OF PUBLIC SPEAKING	3.0		Communications	No Updates
SPC	2	065		SPEECH COMMUNICATION FOR BUSINESS AND THE PROFESSIONS	3.0		Communications	Updated
STA	2	023		ELEMENTARY STATISTICS	3.0	Math	Math	No Updates
THE	2	000		THEATRE IN THE HUMANITIES	3.0	Humanities	Humanities	No Updates
WOH	1	012		WORLD HISTORY TO 1500	3.0		Social Sciences	No Updates
WOH	1	022		WORLD HISTORY SINCE 1500	3.0		Social Sciences	No Updates
ZOO	1	010	C	GENERAL ZOOLOGY	4.0		Natural Science	No Updates

Statewide Course Numbering System
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Prefix	Level	Course Number	Lab	Course Title	Credit	General Ed Core Discipline Area	General Ed Discipline Area	Course Review Status	General Education Updates	Total # Institutions Offering Course	Included in 2025-26 Gen Ed List	Last Semester & Year Course Taught*	Course Description	Learning Outcomes
AMH	2	010		UNITED STATES HISTORY TO 1877	3.0	Social Sciences	Social Sciences	No Updates		36	Yes	Summer 2025	In this course students will examine United States history from before European contact to 1877. Topics will include but are not limited to Indigenous peoples, the European background, the Colonial Period, the American Revolution, the Articles of Confederation, the Constitution, issues within the new republic, sectionalism, manifest destiny, slavery, the American Civil War, and Reconstruction.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Understand the social, political, and economic development of the United States 2. Develop a greater understanding of American cultures through categories such as race, class, gender and ethnicity 3. Develop a historical context for understanding current issues and events STATE COURSE LEARNING OUTCOMES 1. Describe the factual details of the substantive historical episodes under study 2. Identify and analyze foundational developments that shaped American history from before European contact to 1877 using critical thinking skills 3. Demonstrate an understanding of the primary ideas, values, and perceptions that have shaped United States history 4. Demonstrate competency in civic literacy
AMH	2	020		UNITED STATES HISTORY FROM 1877 TO THE PRESENT	3.0	Social Sciences	Social Sciences	Updated	Course Title	37	Yes	Summer 2025	In this course, students will trace the history of the United States from the end of the Reconstruction Era to the contemporary era. Topics will include but are not limited to the rise of industrialization, the United States' emergence as an actor on the world stage, constitutional amendments and their impact, the Progressive Era, World War I, the Great Depression and New Deal, World War II, Civil Rights Era, the Cold War, and the United States since 1989.	STATE COURSE LEARNING OUTCOMES 1. Describe the factual details of the substantive historical episodes under study. 2. Identify and analyze foundational developments that shaped American history since 1877 using critical thinking skills. 3. Demonstrate an understanding of the primary ideas, values, and perceptions that have shaped American history.
AMH	2	070		HISTORY OF FLORIDA	3.0		Social Sciences	No Updates		2	Yes	Summer 2025	This course surveys major developments in the history of Florida from Spanish exploration to the present, taking into consideration the lived experiences of Florida's diverse populations, political developments, economic changes, population growth, environmental challenges, and urban and rural development.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Understand the social, cultural, political, and economic development of Florida and integrate it into state, national, and global history. 2. Develop a historical context for understanding current issues and events in Florida. 3. Demonstrate the ability to interpret primary source documents from various time periods and perspectives within Florida's history. 4. Develop a historical context for understanding current issues and events in Florida.
AML	2	010		EARLY AMERICAN LITERATURE: COLONIAL TIMES TO THE CIVIL WAR	3.0		Humanities	No Updates		20	Yes	Spring 2025	This course is a critical study of selections from American Literature from the colonial period to the late 19th century. American Literature is studied in the context of historical and cultural developments to ensure that students appreciate how the humanities interact with broader issues in human culture in America and beyond. This course is suitable for students without prior literature study experience and can be taken as a stand-alone course or as a part of the two-course series with Late American Literature: The Civil War to the Present. This course includes works important to the Western Canon.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Identify and articulate the basic elements of literary terminology, literary genres, and literary theory 2. Analyze and evaluate a work of American literature from the colonial period to the late 19th century. 3. Identify and analyze major canonical figures and periods in American literature from the colonial period to the late 19th century 4. Identify and analyze the context in which early American literary texts were written. 5. Evaluate and discuss issues, conflicts, and themes of various early American literary texts. 6. Evaluate and discuss the depictions of various peoples in early American literature.
AML	2	020		LATE AMERICAN LITERATURE: THE CIVIL WAR TO THE PRESENT	3.0		Humanities	No Updates		17	Yes	Summer 2025	This course is a critical study of selections from American Literature from the late 19th Century to the present. American Literature is studied in the context of historical and cultural developments to ensure that students appreciate how the humanities interact with broader issues in human culture in America and beyond. This course is suitable for students without prior literature study experience and can be taken as a stand-alone course or as a part of the two-course series with Early American Literature: Colonial Times to the Civil War. This course includes works important to the Western Canon.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Identify and articulate the basic elements of literary terminology, literary genres, and literary theory. 2. Analyze and evaluate a work of American literature from the late 19th Century to the Present. 3. Identify and analyze major canonical figures and periods in American literature from the late 19th Century to the present. 4. Identify and analyze the context in which late American literary texts were written. 5. Evaluate and discuss issues, conflicts, and themes of various late American literary texts. 6. Evaluate and discuss the depiction of various peoples in late American literature.
ANT	2	000		GENERAL ANTHROPOLOGY	3.0	Social Sciences	Social Sciences	No Updates		28	Yes	Summer 2025	In this course, students will learn the foundations of anthropology as the study of human variation in its biological, social, and cultural dimensions. Students will learn about anthropological concepts, principles, and methodologies to understand and explore past and present human behavior. They will apply the anthropological approach to analyze issues pertaining to past and contemporary cultures, and develop intellectual skills and habits to understand behavioral, social and cultural issues from multiple disciplinary perspectives. In addition, students will learn the four major subfields of anthropology (Cultural, Physical-Biological, Linguistic, and Archaeology) as an integrated and evolutionary approach to the nature of humanity in paleoanthropological, prehistoric, and contemporary contexts.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Understand the fundamental basics of archaeology 2. Understand human evolution and its connection to the natural world in prehistoric and contemporary contexts 3. Demonstrate an understanding of human civilizations, their development and structures 4. Demonstrate an understanding of humankind's cultural diversity 5. Demonstrate an understanding of Linguistics and Identity STATE COURSE LEARNING OUTCOMES 1. Explain scientific approaches to the study of human variation and human origins, including primatology, extinct and extant human cultures, language, and ethnicity 2. Explain the origins of anthropology as a foundation discipline in the social sciences that examines the nature and definition of culture 3. Apply anthropological concepts, principles, and methods to the scientific study of past and present human behavior 4. Explain how anthropology incorporates multidisciplinary knowledge and perspectives 5. Describe anthropological contributions to contemporary issues
ARH	2	000		ART IN THE HUMANITIES	3.0	Humanities	Humanities	No Updates		20	Yes	Summer 2025	In this course, students will develop an appreciation of and the ability to think critically about culture and be provided with the tools to understand, analyze, and discuss works of visual art and material culture. This course includes works important to the Western Canon.	STATE COURSE LEARNING OUTCOMES 1. Identify and describe terms, concepts, and methods used in the discipline of art history 2. Apply terms, concepts, and methods used in the discipline of art history to works of visual art and material culture 3. Identify and describe works of visual art and material culture in the works' cultural context, including works from or inspired by the Western canon and other cultural traditions 4. Analyze works of visual art and material culture in the works' cultural context, including works from or inspired by the Western Canon and other cultural traditions 5. Generate an analytical response to works of visual art and material culture in the works' cultural context
ARH	2	050		ART HISTORY FROM PREHISTORY TO 15TH CENTURY	3.0		Humanities	Updated	Course Title	28	Yes	Summer 2025	This course includes an historical and critical study of painting, sculpture, and architecture from prehistoric times to circa 1400 CE. It aims to familiarize students with key works of art throughout the globe as well as to equip them with tools to effectively describe, analyze, and contextualize artworks from various perspectives. This course includes works important to the Western Canon.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate proficiency in critical thinking 2. Recognize the relationships between cultural expressions and their contexts 3. Understand cultural expressions 4. Interpret cultural artifacts and/or their contexts for significance 5. Demonstrate visual literacy skills by effectively identifying key works and styles that figure in the field of art history 6. Apply formal and contextual analysis methods as the basis for inference and interpretation of individual objects and multiple objects in comparison 7. Communicate perceptions of visual phenomena into clear, written or oral statements that apply specialized vocabulary used to describe and interpret art historical objects and concepts 8. Understand objects across multiple cultures, time periods and geographical regions to recognize relationships of style, meaning, and function that point to art's broader significance as a form of human expression 9. Demonstrate digital literacy skills essential to art historical research and communication
ARH	2	051		ART HISTORY FROM 15TH TO 21ST CENTURY	3.0		Humanities	No Updates		26	Yes	Summer 2025	This course continues an historical and critical study of painting, sculpture, and architecture from circa 1400 CE to the present. It aims to familiarize students with key works of art throughout the globe as well as to equip them with tools to effectively describe, analyze, and contextualize artworks across multi-cultural perspectives.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate proficiency in critical thinking 2. Demonstrate understanding of Global Sociocultural Responsibility 3. Recognize the relationships between cultural expressions and their contexts 4. Understand cultural expressions 5. Interpret cultural artifacts and/or their contexts for significance 6. Demonstrate visual literacy skills by effectively identifying key works and styles that figure in the field of art history 7. Apply formal and contextual analysis methods as the basis for inference and interpretation of individual objects and multiple objects in comparison 8. Communicate perceptions of visual phenomena into clear, written or oral statements that apply specialized vocabulary used to describe and interpret art historical objects and concepts 9. Understand objects across multiple cultures, time periods and geographical regions to recognize relationships of style, meaning, and function that point to art's broader significance as a form of human expression 10. Demonstrate digital literacy skills essential to art historical research and communication

AST	1	002		INTRODUCTION TO ASTRONOMY	3.0	Natural Science	Natural Science	No Updates		31	Yes	Summer 2025	Students will benefit by taking high school algebra or MAT 0028 prior to enrolling in this course. This is a general education course and is not intended for students who are going to major in astronomy or other sciences. Students will become acquainted with the solar system with emphasis on Earth and its satellite, the moon. Students will also study other planets, satellites, comets, meteors, the Milky Way and other galaxies, and the theories of the universe. The course will discuss the stars and planets relevant to the most modern ideas.This course will require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website at https://www.fscj.edu/academics/schools-of-learning/online-learning/online-course-testing.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Recognize and describe from a conceptual perspective how physical laws describe observed phenomena 2. Identify, classify, and compare characteristics of solar system objects 3. Recognize and describe the movements and appearances of the Sun, Moon, and Planets as viewed from Earth over the course of time. 4. Describe the production, transmission, refraction, and reflection of electromagnetic radiation and the detection of this radiation by both Earth-based and spacebased instruments. 5. Identify, classify, and compare stars on the Hertzsprung-Russell diagram and understand the evolution of stars by their movement on the H-R diagram. 6. Describe the evolution of stars by their movement on the H-R diagram 7. Identify, classify, and compare the objects in the Universe, including but not limited to: atoms, nebulae, stars, star clusters, galaxies, cluster of galaxies, and quasars 8. Describe the evolution of stars as well as of the large-scale structure of the Universe. STATE COURSE LEARNING OUTCOMES 1. Define terms used to measure and describe the universe. 2. Explain the processes involved in the formation and evolution of celestial bodies over astronomical time according to different models and theories 3. Describe how scientific theories evolve in response to new observations and critically evaluate their impact on society. 4. Formulate empirically testable hypotheses derived from the study of physical processes and phenomena 5. Apply logical reasoning skills through scientific criticism and argument to separate science from non-science. 6. Gather and analyze astronomical data and communicate results in graphic and written forms.
AST	1	002	L	ASTRONOMY LABORATORY	1.0		Natural Science	No Updates		3	Yes	Summer 2025	This is a laboratory course which is intended to supplement AST 1002, Introduction to Astronomy. Students should have a working knowledge of mathematics at a level equivalent to MAT 0028 recommend a grade of B or a higher-level mathematics course. Students will learn to use various types of equipment and simple procedures for obtaining useful data.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Use mathematics and computer applications to analyze and interpret observational data in terms of astronomical models 2. Use mathematics and computer applications to demonstrate how well-understood physical laws can be applied to interpret and explain astronomical observations 3. Use astronomical instrumentation and scientific method to design and/or conduct experiments, collect data, formulate and test hypotheses, and reach conclusions 4. Read, analyze, and interpret astronomical data to draw valid scientific conclusions and communicate those conclusions in a clear and articulate manner
BOT	1	010	C	INTRODUCTION TO BOTANY	4.0		Natural Science	No Updates		5	Yes	Summer 2025	An evolutionary survey of the plant kingdom, this course emphasizes the principles, which are applicable to all forms of plant life.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Explain and apply major concepts in botany including taxonomy, life cycles, evolution, and phylogenetic relationships 2. Demonstrate knowledge of the scientific method 3. Communicate scientific ideas through oral or written assignments 4. Interpret scientific models such as graphs and tables, draw inferences from them and recognize their limitations 5. Demonstrate problem solving methods in situations encountered outside of the classroom 6. Demonstrate proper laboratory technique
BSC	1	005		LIFE IN ITS BIOLOGICAL ENVIRONMENT	3.0	Natural Science	Natural Science	No Updates		30	Yes	Summer 2025	This course applies the scientific method to critically examine and explain the natural world including but not limited to cells, organisms, evolution, ecology, and behavior.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Describe and apply the scientific method 2. Assess the validity of an draw reasonable conclusions from collected data 3. Distinguish variables (control, independent and dependent) in an experiment and how they relate to the system 4. Apply taxonomic principles to characterize structures, cells, or organisms 5. Interpret graphs 6. Describe and apply major concepts in biology STATE COURSE LEARNING OUTCOMES 1. Evaluate data regarding validity 2. Read and interpret a variety of scientific data 3. Describe the natural world 4. Articulate and practice the scientific method
BSC	1	005	L	BIOLOGY LABORATORY	1.0		Natural Science	No Updates		10	Yes	Summer 2025	This course provides students hands-on experience using concepts of biological science that are covered in the lecture course BSC 1005.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate knowledge of scientific principles 2. Demonstrate knowledge of the scientific method 3. Communicate scientific ideas through oral or written assignments 4. Interpret scientific models such as formulas, graphs, and tables 5. Demonstrate problem solving methods in situations that are encountered outside the classroom
BSC	2	010	C	PRINCIPLES OF BIOLOGY I	4.0	Natural Science	Natural Science	Updated	Learning Outcomes	5	Yes	Summer 2025	In this course students will apply the scientific method to critically examine and explain the natural world. This course will cover molecular biology, cellular biology, genetics, metabolism, and replication.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate knowledge of the scientific method 2. Demonstrate knowledge of the basic principles of chemistry and biochemistry as they relate to biology 3. Demonstrate knowledge of eukaryotic and prokaryotic cell types 4. Demonstrate knowledge of intracellular structures and their functions 5. Demonstrate knowledge of plasma membrane structure, function, intercellular communication and transport 6. Demonstrate the ability to use scientific and quantitative reasoning 7. Demonstrate knowledge of pathways including fermentation, cellular respiration, and photosynthesis 8. Demonstrate knowledge of the cell cycle, mitosis, meiosis 9. Demonstrate knowledge of gene expression and regulation 10. Demonstrate knowledge of DNA, RNA, proteins, and their functions 11. Demonstrate proficiency in the basics of care and use of the compound microscope 12. Conduct an experiment, collect and analyze data, and interpret results in a laboratory setting 13. Analyze, evaluate, and test a scientific hypothesis STATE COURSE LEARNING OUTCOMES 1. Demonstrate scientific literacy by articulating and practicing the scientific method 2. Evaluate data regarding validity 3. Read and interpret a variety of scientific data 4. Identify major macromolecules and state their importance to living organisms 5. Explain metabolism 6. Compare and contrast prokaryotic and eukaryotic structures and processes of cell division and replication 7. Explain gene expression 8. Solve problems in transmission genetics
BSC	2	011	C	PRINCIPLES OF BIOLOGY II	4.0		Natural Science	Updated	Learning Outcomes	3	Yes	Summer 2025	This course is a continuation of Principles of Biology I and recommended for science students transferring to four-year institutions. The course material emphasizes survey of the kingdoms, evolution and selected ecological topics and includes a required laboratory experience to reinforce subject matter.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate knowledge of population genetics and natural selection 2. Demonstrate knowledge of the basic principles of taxonomy and phylogeny 3. Demonstrate knowledge of the basic structure, classification, and life cycles of viruses 4. Demonstrate knowledge of prokaryotic classification, lifecycles, and economic importance 5. Demonstrate knowledge of protist classification, lifecycles, and economic importance 6. Demonstrate knowledge of fungal classification, lifecycles, and economic importance 7. Demonstrate knowledge of plant classification, lifecycles, and economic importance 8. Demonstrate knowledge of animal classification, lifecycles, and economic importance 9. Demonstrate knowledge of basic principles of plant and animal ecology and population dynamics 10. Demonstrates competency in preparing laboratory dissections of various taxonomic groups 11. Demonstrates competency in using basic microscopy techniques and use of oil immersion 12. Demonstrates competency in identifying anatomical structures and taxonomic classification of various dissection or slide specimens 13. Conduct an experiment, collect and analyze data, and interpret results in a laboratory setting 14. Analyze, evaluate, and test a scientific hypothesis 15. Use basic scientific language and processes and be able to distinguish between scientific and non-scientific explanations 16. Identify the unifying principles and repeatable patterns in nature, the values of natural diversity, and apply them to problems or issues of a scientific nature 17. Analyze and discuss the impact of scientific discovery on human thought and behavior 18. Demonstrate knowledge of the history, principles, and empirical support for evolutionary theory and the origin of life

BSC	2	020	C	HUMAN BIOLOGY	4.0		Natural Science	No Updates		2	Yes	Summer 2025	This course is an introduction to the science of biology with emphasis on cells and tissues, body organization, homeostasis, body systems, regulation and integration of body parts, reproduction, development and heredity, disease and disorder.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate knowledge of the basic chemistry and biochemistry pertaining to human biology 2. Demonstrate knowledge of cell structure, cellular organelles, and basic metabolic processes 3. Demonstrate knowledge of the basic anatomy, physiology, and disorders of the skeletal system 4. Demonstrate knowledge of the basic anatomy, physiology, and disorders of the muscular system 5. Demonstrate knowledge of the basic anatomy, physiology, and disorders of the integumentary system 6. Demonstrate knowledge of the basic anatomy, physiology, and disorders of the cardiovascular system 7. Demonstrate knowledge of the basic anatomy, physiology, and disorders of the lymphatic system 8. Demonstrate knowledge of the basic anatomy, physiology, and disorders of the respiratory system 9. Demonstrate knowledge of the basic anatomy, physiology, and disorders of the urinary system 10. Demonstrate knowledge of the basic anatomy, physiology, and disorders of the nervous system 11. Demonstrate knowledge of the basic anatomy, physiology, and disorders of the special senses 12. Demonstrate knowledge of the basic anatomy, physiology, and disorders of the endocrine system 13. Demonstrate knowledge of the basic anatomy, physiology, and disorders of the digestive system 14. Demonstrate knowledge of the basic anatomy, physiology, and disorders of the reproductive system 15. Conduct an experiment, collect and analyze data, and interpret results in a laboratory setting 16. Analyze, evaluate, and test a scientific hypothesis 17. Use basic scientific language and processes and be able to distinguish between scientific and non-scientific explanations
BSC	2	050		BIOLOGY OF ENVIRONMENTAL SYSTEMS	3.0		Natural Science	No Updates		1	Yes	Spring 2025	This course is an introduction to the principles of ecology with discussion of major ecosystems and selected environmental issues.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Explain and apply major concepts in ecological studies 2. Explain and apply the scientific method
BSC	2	085	C	HUMAN ANATOMY AND PHYSIOLOGY I	4.0	Natural Science	Natural Science	No Updates		5	Yes	Summer 2025	This course is the first part of a two-semester sequence in which students examine human anatomy and physiology through a systems approach based on the interaction between form and function, from the microscopic components of cells and tissues to the organismal level. Emphasis is placed on histology and the integumentary, skeletal, muscular, and nervous system and the endocrine system. This course includes hands-on dissection of animal specimens and/or organs. Dissection and experimentation are essential tools for studying the anatomy and physiology of biological specimens and are required practices in appropriate laboratory courses in the biological sciences department.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Use appropriate terminology to discuss anatomy and physiology 2. Use appropriate laboratory tools and techniques to examine anatomical structures or physiological functions 3. Identify anatomical structures and describe the complex interrelationships between structure and function 4. Describe how body systems work together to maintain homeostasis 5. Describe how variability in the human population produces ranges of values considered "normal" for body parameters 6. Propose evidence-based hypotheses to explain physiological responses or the functions of anatomical structures 7. Apply knowledge of anatomy and physiology to real-world situations 8. Recognize and apply patterns that unify, organize, and simplify the abundant detail of anatomy and physiology STATE COURSE LEARNING OUTCOMES 1. Identify cell structures and describe their functions 2. Distinguish tissues by structure, location in the body, and contrast their normal physiology 3. Demonstrate an understanding of anatomical structure, organization of the body, cavities, planes, and directional terms 4. Identify and describe structures of integumentary, skeletal, muscular, and nervous systems 5. Interpret the functions of the integumentary, skeletal, muscular, and nervous systems 6. Explain how the components of the human body maintain homeostasis 7. Analyze and interpret physiological data
BSC	2	086	C	HUMAN ANATOMY AND PHYSIOLOGY II	4.0		Natural Science	No Updates		5	Yes	Summer 2025	This course is a continuation of Anatomy and Physiology I and includes the cardiovascular system; the lymphatic system and immunity; the respiratory system; the digestive system and metabolism; the urinary system; fluid/electrolyte and acid/base balance; and the reproductive systems. Within Anatomy and Physiology II, these topics may or may not be covered in the sequence listed. This course includes hands-on dissection of animal specimens and/or organs. Dissection and experimentation are essential tools for studying the anatomy and physiology of biological specimens and are required practices in appropriate laboratory courses in the biological sciences department.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Use appropriate terminology to discuss anatomy and physiology 2. Use appropriate laboratory tools and techniques to examine anatomical structures or physiological functions 3. Identify anatomical structures and describe the complex interrelationships between structure and function 4. Describe how body systems work together to maintain homeostasis 5. Describe how variability in the human population produces ranges of values considered "normal" for body parameters 6. Propose evidence-based hypotheses to explain physiological responses or the functions of anatomical structures 7. Apply knowledge of anatomy and physiology to real-world situations 8. Recognize and apply patterns that unify, organize, and simplify the abundant detail of anatomy and physiology
CHM	1	020		CHEMISTRY FOR LIBERAL ARTS	3.0	Natural Science	Natural Science	No Updates		26	Yes	Summer 2025	This course provides students with an introduction to chemical principles and applications for the non- science major. Students will engage in problem solving and critical thinking while applying chemical concepts. Topics will include the scientific method of problem solving, classification of matter, atomic theory, the periodic table, gases, chemical reactions, energy, and chemical bonds. Students will benefit by taking high school algebra or Elementary Algebra prior to enrolling in this course.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Solve quantitative problems and interpret results, including proper significant figures and units 2. Model, describe and interpret common atomic models, and use atomic theory to predict periodic trends. 3. Describe and identify the properties, structures, names, and composition of different types of matter including atoms, ions, compounds, and solutions 4. Balance Chemical Equations, identify basic types of chemical reactions, predict outcomes of these reactions, and perform stoichiometric calculations 5. Describe, identify, and predict the properties of the different phases of matter 6. Demonstrate knowledge of different types of radioactivity and solve problems related to radioactivity and decay STATE COURSE LEARNING OUTCOMES 1. Be able to distinguish between physical and chemical properties and changes 2. Recognize components of gaseous chemistry 3. Recognize components of aqueous chemistry including properties of water, solutions, and acids and bases 4. Correlate the design of the periodic table to periodic trends and physical and chemical properties elements 5. Write and interpret chemical formula and write balance chemical equations
CHM	1	025	C	INTRODUCTION TO GENERAL CHEMISTRY	4.0		Natural Science	No Updates		6	Yes	Summer 2025	This course is an introduction to the concepts of inorganic chemistry including structures of matter, atomic theory, nomenclature, bonding, gases, solutions, equilibrium, and acids and bases. This course is for students who have had no previous chemistry and plan to major in science, engineering, pre-medicine or pharmacy. Note: this course meets the prerequisite for CHM 2045C.This course will require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website at https://www.fscj.edu/academics/schools-of-learning/online-learning/online-course-testing.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Determine names and formulas of binary molecular compounds, ionic compounds, and acids 2. Describe structures and properties of atoms, ions, compounds, and solutions 3. Solve quantitative problems and interpret results, including proper significant figures and units 4. Model, describe and interpret common atomic models, and use atomic theory to predict structural and reactivity trends of elements and compounds 5. Balance Chemical Equations, identify basic types of chemical reactions, predict outcomes of these reactions, and perform stoichiometric calculations 6. Perform correct safety procedures in lab, conduct experiments including proper use of equipment, collect and analyze data, and correctly dispose of chemicals
CHM	1	032	C	PRINCIPLES OF GENERAL CHEMISTRY	4.0		Natural Science	No Updates		3	Yes	Summer 2025	Students will benefit by taking high school algebra or MAT 1033 prior to enrolling in this course. This course is an introduction to the concepts of inorganic chemistry including structures of matter, atomic theory, nomenclature, bonding, bases, and introduction to organic chemistry. This course is for students who have had no previous chemistry and plan to major in dental hygiene, medical technology, nursing or health related fields. Note: this course does not meet the prerequisite for CHM2045C. This course will require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website at https://www.fscj.edu/academics/schools-of-learning/online-learning/online-course-testing.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Solve quantitative problems and interpret results, including proper significant figures and units 2. Determine names and formulas of binary molecular and ionic compounds 3. Describe structures and properties of atoms, ions, compounds, and solutions 4. Balance chemical reactions, identify basic types and properties of chemical reactions and perform stoichiometric calculations 5. Demonstrate knowledge of different types of radioactivity and solve problems related to radioactivity and decay 6. List general characteristics of organic compounds, predict the shapes of organic molecules and recognize organic functional groups 7. Describe the structures and fundamental functions of proteins, carbohydrates, and lipids 8. Perform correct safety procedures in lab, conduct experiments including proper use of equipment, recognize patterns, collect, and analyze data, and appropriately dispose of chemicals

CHM	2	045	C	GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS I	4.0	Natural Science	Natural Science	No Updates		4	Yes	Summer 2025	This course is designed for students pursuing careers in the sciences or who need a more rigorous presentation of chemical concepts than is offered in an introductory course. Students will engage in problem solving and critical thinking while applying chemical concepts. Topics will include the principles of chemistry including atomic theory, electronic and molecular structure, measurement, stoichiometry, bonding, periodicity, thermochemistry, nomenclature, solutions, and the properties of gases. The laboratory work will be quantitative in nature, stressing accurate laboratory techniques.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Explain and apply major concepts in modern chemistry including modern atomic structure and periodicity, chemical bonding, states of matter, gas laws and solutions 2. Communicate scientific ideas through oral or written assignments 3. Interpret scientific models such as formulas, graphs, tables, and schematics, draw inferences from them and recognize their limitations 4. Demonstrate proper laboratory technique including safety in the use and care of laboratory equipment and materials 5. Demonstrate knowledge of scientific method 6. Demonstrate problem-solving methods in situations that are encountered outside of the classroom STATE COURSE LEARNING OUTCOMES 1. Apply the law of conservation of matter and energy 2. Implement rules of significant numbers to all measurements 3. Explain the fundamental properties of matter including but not limited to atomic and electronic structure, and periodicity 4. Apply IUPAC rules of nomenclature 5. Predict molecular geometry and properties from bonding theories 6. Predict and explain the products of chemical reactions (e.g., acid-base, oxidation- reduction, precipitation, dissociation)
CHM	2	046	C	GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS II	4.0		Natural Science	No Updates		3	Yes	Summer 2025	This course, a continuation of General Chemistry and Qualification Analysis I, stresses chemical equilibrium, chemical kinetics, electrochemistry, oxidation-reduction, and selected families of metals and non-metals. Laboratory work includes studies of ionic equilibrium in aqueous solutions and semi-micro qualitative analysis. This course will require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website at https://www.fscj.edu/academics/schools-of-learning/online-learning/online-course-testing	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Students will utilize theory, patterns, and/or other sources of information to predict an outcome 2. Students will evaluate data and draw conclusions 3. Students will create and interpret visual representations of data and/or information 4. Students will apply scientific concepts and principles
DAN	2	100		DANCE IN THE HUMANITIES	3.0		Humanities	No Updates		10	Yes	Summer 2025	In this course, students will explore dance structure, techniques, and various choreographic elements. The course provides an introduction to dance through the critical analysis of its historical context, production, theory, and connections to dance literature, including works important to the Western Canon. Students will study societies that create dance expressions through analysis and investigation.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate proficiency in critical thinking 2. Recognize the relationships between cultural expressions and their contexts 3. Understand cultural expressions 4. Interpret cultural artifacts and/or their contexts for significance 5. Compare expressions of dance and other forms 6. Analyze in writing dance expressions and/or their contexts 7. Communicate aesthetic, proprietary, and functional concepts in dance
DEP	2	004		HUMAN GROWTH AND DEVELOPMENT	3.0		Social Sciences	Updated	Course Title	20	Yes	Summer 2025	This course consists of the study of the development of the individual throughout the life cycle, including child, adolescent and adult patterns of behavior with attention to physical, intellectual, cognitive, personality and social development.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Recognize and describe the various periods of development across the life span 2. Recognize and describe the various physical, cognitive, and psychosocial changes in the individual that take place over the life span 3. Think critically about the various theoretical perspectives offered to explain changes in behavior over the life span 4. Identify the role of culture in human development 5. Demonstrate how awareness of these developmental changes in individuals over the life span can be applied in real life situations, (i.e., their chosen fields of study or careers) 6. Distinguish typical vs. atypical patterns of development across the life span 7. Comprehends the basic concepts and investigative processes of the scientific method as applied to the study of development across the life span
ECO	2	013		ECONOMICS I - PRINCIPLES OF MACROECONOMICS	3.0	Social Sciences	Social Sciences	No Updates		39	Yes	Summer 2025	In this course, students will learn the foundations of macroeconomics as the branch of economics concerned with how decision-making, in an environment of scarcity, maps onto the aggregate economy. Students will examine theories and evidence related to the following core set of topics: national income determination, money, monetary and fiscal policy, macroeconomic conditions, international trade and the balance of payments, and economic growth and development. Additional topics include the supply and demand model and applications, GDP, unemployment, CPI, inflation, and business cycles.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Identify sources of quality information on the economy 2. Use economic data (such as real/nominal GDP and its components, unemployment, and inflation) to discuss economic issues 3. Use economic models to analyze the past and current state of the economy 4. Analyze fiscal and monetary policy decisions to address economic problems STATE COURSE LEARNING OUTCOMES 1. Recognize that all decisions happen in an environment of scarcity 2. Examine theories and evidence regarding how changes in aggregate measurements are related to economic performance 3. Recognize the relationships between the components of the national income accounts 4. Analyze theory and evidence regarding fiscal and monetary policies and how they affect the economy 5. Identify theories of long-term economic growth and examine evidence for those theories
ENC	1	101		ENGLISH COMPOSITION I	3.0	Communications	Communications	No Updates		40	Yes	Summer 2025	This course introduces students to rhetorical concepts and audience-centered approaches to writing including composing processes, language conventions and style, and critical analysis and engagement with written texts and other forms of communication. The course, moreover, introduces students to academic writing standards to prepare them to communicate clearly and effectively in college and beyond.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Write well-organized compositions following various rhetorical models or modes 2. Use a consistent tone appropriate to their essay's purpose and audience 3. Synthesize and incorporate evidence from credible, relevant primary and/or secondary sources in a formal composition 4. Practice MLA format to cite and document sources in a formal composition 5. Apply the conventions of standard American English, effective sentence structure, and accurate word usage in their compositions STATE COURSE LEARNING OUTCOMES 1. Apply rhetorical knowledge to communicate for a range of audiences and purposes 2. Employ critical thinking to analyze forms of communication 3. Engage in writing processes that involve drafting, revising, and reflecting
ENC	1	101	C	ENGLISH COMPOSITION I ENHANCED	4.0	Communications	Communications	No Updates		2	Yes	Summer 2025	This course introduces students to rhetorical concepts and audience-centered approaches to writing including composing processes, language conventions and style, and critical analysis and engagement with written texts and other forms of communication. The course, moreover, introduces students to academic writing standards to prepare them to communicate clearly and effectively in college and beyond. This course is intended for students who will benefit from enhanced learning support with their composition and grammar skills. In addition to providing the same course content as English Composition I, this enhanced version of the course provides one credit hour of additional learning support such as active learning, reflective practice, individualized and collaborative instruction, enhanced focus on study skills, and additional review of the conventions of written communications in a college and/or professional context.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Write well-organized compositions following various rhetorical models or modes 2. Use a consistent tone appropriate to their essay's purpose and audience 3. Synthesize and incorporate evidence from credible, relevant primary and/or secondary sources in a formal composition 4. Practice MLA format to cite and document sources in a formal composition 5. Apply the conventions of standard American English, effective sentence structure, and accurate word usage in their compositions STATE COURSE LEARNING OUTCOMES 1. Apply rhetorical knowledge to communicate for a range of audiences and purposes 2. Employ critical thinking to analyze forms of communication 3. Engage in writing processes that involve drafting, revising, and reflecting
ENC	1	102		WRITING ABOUT TEXTS	3.0		Communications	No Updates		36	Yes	Summer 2025	This course focuses on understanding and writing about texts. The student will develop a proficiency in evaluating written, visual and filmic texts and in writing analytically about these texts. This course provides a solid introduction to research writing as well as writing skills. This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Quote, paraphrase, and summarize sources properly 2. Argue their points persuasively using written materials to substantiate their points 3. Write papers that apply grammar conventions and use tone appropriate to purpose and audience 4. Locate and use appropriate sources in the library and Internet 5. Use correct documentation for research papers 6. Distinguish between types of texts 7. Analyze and evaluate various types of texts 8. Compose essays responding to various types of texts 9. Relate texts to their personal, social, and historical awareness
ENG	2	100		FILM STUDIES	3.0		Humanities	No Updates		3	Yes	Summer 2025	This general survey course examines the development of the motion picture as a universal literary form, including its historical and international background, theme and subject selection and script development, technological equipment and innovations, elements of visual composition, sound and music, acting and directing, and criticism and analysis of classical and contemporary foreign/American films representative of major film aesthetic movements. The course examines the motion picture as a form of literature and as a cultural object expressing humankind's varied narratives and cultures.This course includes works important to the Western Canon.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate proficiency in critical thinking 2. Demonstrate competency in written communication 3. Recognize the relationships between cultural expressions and their contexts 4. Interpret and evaluate cultural artifacts and/or their contexts for significance 5. Understand the historical and intercultural contributions to film development, particularly the European and American roots; as well as some of the canonical film-analytical literature—to include film semiotics, psychoanalytical approaches, gender and sexuality, and genre. 6. Recognize and understand various themes in a sample of major film aesthetic movements from both American and non-American film traditions—must include major European, Asian, African, and/or South American movements 7. Recognize the aesthetic elements of film, including subject, theme, purpose, ideas and values; script and storyboard development; film production direction and acting; various genres and forms. 8. Identify the major technical elements of film and film editing 9. Comprehend and utilize techniques for analyzing and evaluating films consistent with current or past trends in academic literature on film

ENL	2	012		ENGLISH LITERATURE TO 1750	3.0		Humanities	No Updates			20	Yes	Fall 2018	This course is a critical study of selections from British Literature from the early Anglo-Saxon writings through mid-18th Century. British Literature is studied in the context of historical and cultural developments to ensure that students appreciate how the humanities interact with broader issues in human culture in England and beyond. This course is suitable for students without prior literature study experience and can be taken as a stand-alone course or as a part of the two-course series with English Literature Since 1750. This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Identify and articulate the basic elements of literary terminology, literary genres, and literary theory 2. Analyze and evaluate works of literature to demonstrate an awareness of the major critical issues and the diverse array of interpretive lenses that can be applied to any text 3. Identify and analyze canonical figures, works of literature, and periods in British literature from the early Anglo-Saxon Period through mid-18th Century 4. Identify and analyze the global, historical, cultural, and artistic contexts in which early British literary texts were written 5. Evaluate and discuss issues, conflicts, and themes of various early British literary texts. 6. Demonstrate an understanding of the literary research paper and the ability to conduct some research with academic integrity
ENL	2	022		ENGLISH LITERATURE SINCE 1750	3.0		Humanities	No Updates			21	Yes	Spring 2025	This course explores British literature from the Romantic and Victorian periods to the present, including postcolonial and global English literatures. It provides a study of important and characteristic writings, including exemplary authors and the development of literary genres and movements. English literature is studied in the context of historical and cultural developments, including the expansion and decline of the British Empire during these centuries, to ensure that students appreciate how the arts interact with broader issues in global culture. English Literature Since 1750 is suitable for students without prior literature study experience and can be taken as a stand-alone course or as part of the two-course series with English Literature to 1750. This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate an understanding of how British literature interacted with its historical context during the various periods (i.e., Romantic, Victorian, Modernist, Postcolonial) 2. Analyze and evaluate works of literature to demonstrate an awareness of the major critical issues and the diverse array of interpretive lenses that can be applied to any text 3. Identify major genres of British literature (poetry forms, drama, essay, short stories, and the novel) and analyze literature in terms of its generic components 4. Identify the significance of major literary figures and texts in the various periods of British literature 5. Evaluate and discuss issues, conflicts, and themes of various British literary texts. 6. Demonstrate an understanding of the literary research paper and the ability to conduct some research with academic integrity
ESC	1	000		EARTH AND SPACE SCIENCE	3.0	Natural Science	Natural Science	No Updates			21	Yes	Summer 2025	Using the scientific method, critical thinking skills and data analysis, this course will examine the fundamental processes of the Earth system, composed of an atmosphere, hydrosphere, lithosphere, biosphere, and exosphere, through time. The course will also explore interactions between these spheres, including critical analysis of scientific theories and emphasize Earth¬es connections with humans.	STATE COURSE LEARNING OUTCOMES 1. Use critical thinking to recognize the rigorous standards of scientific theories 2. Analyze and synthesize Earth science data to draw scientifically valid conclusions 3. Recognize the different time scales associated with various Earth processes 4. Effectively communicate the importance of the interactions between humans and the Earth's spheres 5. Apply their understanding of these Earth science principles to complex global and local issues
ESC	1	000	L	EARTH AND SPACE SCIENCE LABORATORY	1.0		Natural Science	No Updates			4	Yes	Summer 2025	This is a lab course designed to supplement ESC 1000. Students will learn to identify rocks and minerals, interpret geologic maps and explore the concepts of oceanography, earth dynamics and astronomy.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Students understand the processes of absolute dating 2. Students will understand how plate motion is demonstrated 3. Students will make quantitative observations to describe landscape features 4. Students are able to identify common rocks and minerals 5. Students understand the relationship between seafloor topography and tectonic setting 6. Students will understand the basic patterns and trends in the properties of the bodies in the Solar System 7. Students will understand the relationship between seismic wave arrival times and distance to an earthquake's epicenter, and what that relationship reveals about the internal structure of the Earth 8. Students will be able to plot, analyze and interpret weather maps, charts or diagrams demonstrating a basic understanding of weather and climate dynamics
EVR	1	001		INTRODUCTION TO ENVIRONMENTAL SCIENCE	3.0	Natural Science	Natural Science	No Updates			24	Yes	Summer 2025	This course is a survey of basic chemical, biological, and physical principles of environmental science and their applications to environmental issues. This course is appropriate for students in a wide range of disciplines or programs.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Explain and apply major concepts in environmental science 2. Demonstrate knowledge of scientific method 3. Interpret scientific models such as formulas, graphs, tables and schematics, draw inferences from them and recognize their limitations 4. Understand that environmental science is interdisciplinary, including geology, biology, environmental studies, chemistry, and geography, with unifying themes STATE COURSE LEARNING OUTCOMES 1. Apply critical thinking to analysis and interpretation of environmental information and model output 2. Apply the scientific method to explain natural experiences and phenomena 3. Explain the basic chemical, biological, and physical principles of environmental science 4. Use empirical evidence to describe the historical and modern context of environmental problems and their solutions
GLY	1	010	C	PHYSICAL GEOLOGY AND LABORATORY	4.0		Natural Science	No Updates			2	Yes	Summer 2023	Physical Geology for majors and non-majors is the study of the earth. The lecture covers structure and land forms, modifying agents and processes, characteristic rocks and minerals and a brief study of the surrounding atmosphere and the earth as a planet. Laboratory activities are designed to complement the lecture. Students will study rocks and minerals, earth history, fossils, structural features of the earth and various earth forms as related to certain geologic processes with the aid of rock and mineral samples, topographic maps and aerial photographs. This course will require proctored testing at an approved location. Students may be charged testing fees at off-campus and virtual testing locations. For additional information and resources, please see the College's Online Learning website at https://www.fscj.edu/academics/schools-of-learning/online-learning/online-course-testing.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Understand the origins and characteristics of many common rocks and minerals 2. Describe the process of weathering and erosion, the sources of such interactions and the consequences 3. Identify the cause of plate tectonics, the interactions of plates and examples of plate boundaries 4. Define the types of lava, eruptions and volcanoes 5. Understand how earthquakes occur, how they are measured and identified and what areas are most prevalent 6. Describe the physical aspects of the oceans, the nature of the seafloor and the interactions of the oceans with the coast 7. Know how groundwater is stored, its importance to organisms and how it affects the surface 8. Identify the features of glaciers and deserts 9. Have a general knowledge of the Geologic Time Scale
HUM	2	210		HUMANITIES: PREHISTORY TO THE 15TH CENTURY	3.0		Humanities	No Updates			16	Yes	Summer 2025	This course is a survey of cultural forms, practices, and expressions from the Paleolithic era to the High Middle Ages. The course emphasizes both the contributions to and interplay between global cultures in shaping the Western World's narrative of civilization. As a humanities course, Humanities: Prehistory to the 15th Century will study societies of the Ancient and Medieval world through analysis and investigation of their achievements, to include their philosophy, art, architecture, literature, and/or other cultural expressions. This course includes works important to the Western Canon.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate proficiency in critical thinking 2. Recognize the relationships between cultural expressions and their contexts 3. Understand cultural expressions 4. Interpret cultural artifacts and/or their contexts for significance 5. Recognize the important contributions of the classical world; understand and analyze specific primary texts from the classical world 6. Recognize the important contributions of the medieval world; understand and analyze specific primary texts from the medieval world 7. Identify causal influences in the chronological development of arts and/or ideas 8. Compare expressions of art, music, literature, philosophy and/or religion 9. Analyze in writing cultural artifacts, cultural expressions, and/or their contexts
HUM	2	020		TOPICS IN THE HUMANITIES	3.0	Humanities	Humanities	No Updates			20	Yes	Summer 2025	In this course, students will learn about the creative ideas and accomplishments of various cultures in various fields of humanities that may include art, architecture, drama, history, music, literature, philosophy, and religion. The course will include cultural expressions from the Western canon and may also include expressions from around the globe. Each HUM 2020 course focuses on a special topic determined by the instructor within the broad scope of the humanities and can be narrow in theme, historical period, or region.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate proficiency in critical thinking 2. Demonstrate understanding of global sociocultural responsibility 3. Demonstrate knowledge of arts and ideas and synthesize information from various sources 4. Analyze and interpret selected expressions of arts and ideas 5. Analyze and interpret selected expressions of arts and ideas 6. Identify contextual influences on the development of interdisciplinary arts and ideas 7. Understand cultural expressions 8. Analyze in writing cultural artifacts, cultural expressions, and/or their contexts 9. Recognize major trends in the history of ideas and critical approaches relevant to the course topic STATE COURSE LEARNING OUTCOMES 1. Demonstrate knowledge of arts and ideas and synthesize information from various sources 2. Analyze and interpret selected expressions of arts and ideas 3. Compare and contrast selected expressions of arts and ideas 4. Identify contextual influences on the development of interdisciplinary arts and ideas
HUM	2	230		HUMANITIES: MAINSTREAMS OF CULTURES, 14TH TO 19TH CENTURY	3.0		Humanities	No Updates			18	Yes	Summer 2025	This course is a survey of cultural forms, practices, and expressions from the Medieval/Renaissance to the late 19th century. The course emphasizes both the contributions to and interplay between major cultures of the Global North in shaping the Western World's narrative of civilization. As a humanities course, this course will study societies of the Renaissance to the Industrial Revolution through analysis and investigation of their achievements, to include their philosophy, art, architecture, literature and/or other cultural expressions. This course includes works important to the Western Canon.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate proficiency in critical thinking 2. Recognize the relationships between cultural expressions and their contexts 3. Understand cultural expressions 4. Analyze in writing cultural artifacts, cultural expressions and/or their contexts 5. Recognize important contributions of the Renaissance; understand and analyze specific primary texts from the Renaissance 6. Recognize important contributions of the Baroque 7. Recognize important contributions of the Science Revolution and Enlightenment; understand and analyze specific primary texts 8. Recognize important contributions of the 19th century; understand and analyze specific primary texts.

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HUM	2	250		HUMANITIES: 20TH AND 21ST CENTURY CULTURAL PERSPECTIVES	3.0		Humanities	No Updates		11	Yes	Summer 2025	This course is a survey of forms, practices, and expressions of the human experience from the beginning of the 20th century to the present. Students will think critically through the mastery of subjects concerned with human culture. The curriculum will include selections from the Western Canon and will focus on the critical analysis of cultural achievements, including literature, philosophy, art, music, history, and the performing arts.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate proficiency in critical thinking 2. Recognize the relationships between cultural expressions and their contexts 3. Understand cultural expressions 4. Interpret cultural artifacts and/or their contexts for significance 5. Identify causal influences in the chronological development of arts and/or ideas 6. Compare expressions of art, music, literature, philosophy and/or religion 7. Analyze in writing cultural artifacts, cultural expressions, and/or their contexts 8. Recognize major trends in the history of ideas and critical approaches relevant to the course topic
INR	2	002		INTERNATIONAL RELATIONS	3.0		Social Sciences	No Updates		21	Yes	Summer 2025	This course is a study of the nature of the international political system with emphasis on the concepts of national interest and power with respect to the relations of nation states. This course examines the causes of war and peace and the function and role of international organizations.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Think critically about institutions, cultures, and behaviors in their local and/or national government 2. Think critically about institutions, cultures, and behaviors of the people of the world 3. Gain an understanding of how domestic and foreign developments interact and shape each other 4. Gain an understanding of contemporary theories and conceptual tools in International Relations and learn how to use them in analyzing interactions between actors of the international scene
ISC	1	075		PRINCIPLES OF SCIENCE AND INVESTIGATION	3.0		Natural Science	No Updates		1	Yes	Summer 2025	This course in an interdisciplinary study of critical thinking using selected topics in the biological and physical sciences. Students will learn how the scientific method has shaped scientific thinking in the past resulting in today's current theories and laws of life on Earth and beyond. Students will examine how science has impacted man and society in the past and currently. They will also learn how thinking like a scientist can help them to better analyze data and evaluate evidence to make better informed decisions in all aspects of life. Topics will vary.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Identify the skills and attitudes that scientists use to learn about the world 2. Describe what scientific inquiry involves 3. Differentiate between a scientific theory and a scientific law 4. Investigate and generate scientific explanations and adopt a critical stance 5. Use and interpret science/scientific method to explain the world around them
LAH	2	020		HISTORY OF LATIN AMERICA	3.0		Social Sciences	No Updates		6	Yes	Fall 2020	This course surveys the history of Latin America from pre-Columbian times to the present. Topics will include native cultures; European exploration, conquest, and colonization; independence movements; and the political, economic, and social challenges of establishing new Latin American nations. The course will also cover recent trends and U.S.-Latin American relations.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate an understanding of the social, political, and economic development of Latin America 2. Develop a historical context for understanding current issues and events 3. Analyze, organize, interpret, and revise hypotheses about the history of Latin America 4. Demonstrate the ability to interpret primary sources from various cultures and time periods
LIT	2	000		LITERATURE IN THE HUMANITIES	3.0	Humanities	Humanities	No Updates		25	Yes	Summer 2025	In this course, students will be assigned readings representative of a broad range of literary genres and cultures. These readings will cover a variety of literary movements and historical eras. The readings will include, but are not limited to, selections from the Western canon. Written analysis of literary works may be required. Students will be provided with opportunities to practice critical interpretation. In addition, this course is an introduction to the study of the characteristics, conventions, and socio-historical contexts of the major literary forms, including the analysis and interpretation of literary elements and devices, and the application of literary theory and criticism. This course is designed to encourage a deep appreciation of literature, hone critical thinking skills, and illustrate the importance of literature as an expression of the human cultural experience. This course is suitable for students without prior literature study experience.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Identify and articulate the basic elements of literary terminology, literary genres, and literary theory 2. Analyze, evaluate, and interpret selected works of literature 3. Recognize and analyze selected major critical approaches to works of literature 4. Analyze selected works of literature from one or more critical perspectives 5. Discuss how literature is relevant to their personal, social, and historical awareness 6. Interpret and evaluate works of literature and/or their contexts for significance and how literature serves as an agent for social justice and/or generational changes 7. Describe the similarities and differences among various racial, ethnic, and/or immigrant experiences in works of literature STATE COURSE LEARNING OUTCOMES 1. Identify a variety of literary movements, historical eras, and/or cultural contexts 2. Demonstrate critical thinking and analytical skills
LIT	2	100		GREAT IDEAS IN WORLD LITERATURE	3.0		Humanities	No Updates		3	Yes	Fall 2024	This course surveys common and intercultural themes and ideas in representative masterpieces of the world's literary traditions, from ancient times into the twentieth century. The selections in translation reflect the social, political, and cultural context of their creation as well as humanity¬es perennial search for meaning in attempting to define relationships to self, society, and the universe. This course is suitable for students without prior literature study experience. This course includes works important to the Western Canon.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Analyze and interpret the historical and cultural context of literature from different time periods and world cultures. 2. Analyze and interpret the relationship between the individual and society within literature from different time periods and world cultures. 3. Identify and explore the relationships between texts, cultural expressions, and historical contexts 4. Identify and explore cultural expressions relevant to various time periods and literary traditions 5. Interpret and evaluate cultural artifacts and their contexts 6. Identify universal themes and ides in selected literary works 7. Identify influences of religion in specific literary selections 8. Develop a nuanced understanding of texts based on comparative analysis.
MAC	1	105		COLLEGE ALGEBRA	3.0	Math	Math	No Updates		38	Yes	Summer 2025	In this course, students will develop problem solving skills, critical thinking, computational proficiency, and contextual fluency through the study of equations, functions, and their graphs. Emphasis will be placed on quadratic, exponential, and logarithmic functions. Topics will include solving equations and inequalities, definition and properties of a function, domain and range, transformations of graphs, operations on functions, composite and inverse functions, basic polynomial and rational functions, exponential and logarithmic functions, and applications.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Solve equations and inequalities 2. Interpret function notation and perform operations on functions 3. Analyze algebraic functions and their graphs 4. Analyze exponential and logarithmic functions 5. Apply mathematical modeling to real-world situations 6. Solve systems of equations and inequalities STATE COURSE LEARNING OUTCOMES 1. Solve an equation or an inequality using an appropriate technique 2. Define and describe functions, their properties, and graphs 3. Manipulate functions to simplify expressions and find new functions 4. Use transformations to write an equation for a function and to graph a function 5. Model and solve real world problems using functions
MAC	1	105	C	COLLEGE ALGEBRA ENHANCED	5.0	Math	Math	No Updates		6	Yes	Summer 2025	In this course, students will develop problem solving skills, critical thinking, computational proficiency, and contextual fluency through the study of equations, functions, and their graphs. Emphasis will be placed on quadratic, exponential, and logarithmic functions. Topics will include solving equations and inequalities, definition and properties of a function, domain and range, transformations of graphs, operations on functions, composite and inverse functions, basic polynomial and rational functions, exponential and logarithmic functions, and applications. This course is a corequisite course where fundamental concepts from Intermediate Algebra are integrated into College Algebra. Intermediate algebra topics include properties of exponents, polynomials, factoring, and radicals.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Perform operations on and factor polynomials 2. Perform operations on radicals 3. Solve equations and inequalities 4. Interpret function notation and perform operations on functions 5. Analyze functions and their graphs 6. Analyze exponential and logarithmic functions 7. Apply mathematical modeling to real-world situations 8. Solve systems of equations and inequalities STATE COURSE LEARNING OUTCOMES 1. Solve an equation or an inequality using an appropriate technique 2. Define and describe functions, their properties, and graphs 3. Manipulate functions to simplify expressions and find new functions 4. Use transformations to write an equation for a function and to graph a function 5. Model and solve real world problems using functions
MAC	1	114		COLLEGE TRIGONOMETRY	3.0		Math	No Updates		34	Yes	Summer 2025	The major topics in this course are circular functions, solving triangles, trigonometric identities and functions, inverse relations and trigonometric equations, complex numbers, polar coordinates and vectors. This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Evaluate trigonometric functions using circular and/or right triangle approaches 2. Solve triangles and applications using triangles 3. Verify trigonometric identities 4. Analyze trigonometric functions and their graphs 5. Solve trigonometric equations 6. Use polar form to graph and represent complex numbers 7. Perform vector operations algebraically and geometrically
MAC	1	140		PRECALCULUS ALGEBRA	4.0		Math	No Updates		30	Yes	Summer 2025	The major topics included in this course are polynomial, rational, and other algebraic functions including their properties and graphs, polynomial and rational inequalities, exponential and logarithmic functions including their properties and graphs, piecewise defined functions, conic sections, matrices and determinants, sequences and series, mathematical induction, binomial theorem, and applications. This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Solve polynomial and rational inequalities 2. Determine real and complex zeros of a polynomial function 3. Analyze rational, exponential, and logarithmic functions and their graphs 4. Analyze conic sections and their graphs 5. Solve systems of equations using matrix methods 6. Evaluate sums of arithmetic and geometric sequences 7. Expand powers of binomial expressions with the Binomial Theorem 8. Solve application problems using mathematical techniques

MAC	1	147		PRECALCULUS ALGEBRA AND TRIGONOMETRY	5.0		Math	No Updates		28	Yes	Summer 2025	This course is designed to prepare students for MAC 2311 and subsequent calculus courses. Topics include polynomial, radical, exponential, logarithmic, trigonometric and inverse trigonometric functions. Also included are graphs, trigonometric identities, solutions of triangles, matrices and determinants; sequence and series, binomial theorem, mathematical proof, complex numbers, conic sections and polar coordinates. This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Solve polynomial and rational inequalities 2. Determine real and complex zeros of a polynomial function 3. Analyze rational, exponential, and logarithmic functions and their graphs 4. Analyze conic sections and their graphs 5. Solve systems of equations using matrix methods 6. Evaluate sums of arithmetic and geometric sequences 7. Expand powers of binomial expressions with the Binomial Theorem 8. Solve application problems using mathematical techniques 9. Evaluate trigonometric functions using circular and/or right triangle approaches 10. Solve triangles and applications using triangles 11. Verify and use trigonometric identities 12. Analyze trigonometric functions and their graphs 13. Solve trigonometric equations 14. Use polar form to graph and represent complex numbers
MAC	2	233		CALCULUS FOR BUSINESS AND SOCIAL SCIENCES	3.0		Math	No Updates		35	Yes	Summer 2025	This course is designed for students who plan to major in business or social sciences. Topics include limits, continuity, differentiation, and integration of algebraic, exponential, and logarithmic functions with an emphasis on applications in business, economics, and social sciences. This course addresses the use of numerical, graphical, and analytical methods as well as a wide variety of applications to foster scientific and quantitative reasoning, critical thinking, and an appreciation for calculus. This course does not satisfy degree requirements for students majoring in mathematics or engineering. This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Use algebraic techniques to perform a calculus task such as finding limits, derivatives, and integrals 2. Calculate limits algebraically, graphically, and numerically 3. Apply the rules of differentiation to algebraic, exponential, and logarithmic functions (power rule, product rule, quotient rule, chain rule) 4. Apply the rules of integration (including definite integrals) to algebraic, exponential, and logarithmic functions 5. Recognize the definite integral as the area under the curve, between 2 curves, and total accumulated change and use the graph to reasonably estimate it 6. Solve real-world problems in areas of business, economics, social sciences, and/or education using algebraic functions, tables, and graphs in a calculus context
MAC	2	311		CALCULUS WITH ANALYTIC GEOMETRY I	4.0	Math	Math	No Updates		38	Yes	Summer 2025	In this course, students will develop problem solving skills, critical thinking, computational proficiency, and contextual fluency through the study of limits, derivatives, and definite and indefinite integrals of functions of one variable, including algebraic, exponential, logarithmic, and trigonometric functions, and applications. Topics will include limits, continuity, differentiation and its applications including rates of change, optimization, curve sketching, and introduction to integration and applications of the definite integral including area. This course is designed for students who plan to major in mathematics, science, engineering, computer sciences, or any other field that requires the study of calculus. It is the first course of a three-course calculus sequence.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Find limits of functions (graphically, numerically, and algebraically 2. Analyze and apply the notions of continuity and differentiability to algebraic and transcendental functions 3. Determine derivatives by a variety of techniques including explicit differentiation, implicit differentiation, and logarithmic differentiation. Use these derivatives to study the characteristics of curves. 4. Construct detailed graphs of nontrivial functions using derivatives and limits 5. Use basic techniques of integration to find particular or general antiderivatives 6. Demonstrate the connection between area and the definite integral 7. Apply the Fundamental theorem of calculus to evaluate definite integrals 8. Use differentiation and integration to solve real world problems such as rate of change, optimization, and area problems. STATE COURSE LEARNING OUTCOMES 1. Calculate a limit, derivative, or integral using appropriate techniques 2. Determine the continuity and differentiability of a function 3. Use limits and derivatives to analyze relationships between the equation of a function and its graph 4. Apply differentiation techniques to model and solve real world problems 5. Use integrals and the Fundamental Theorem of Calculus to analyze the relationship between the integral of a function and the related area
MAC	2	312		CALCULUS WITH ANALYTIC GEOMETRY II	4.0		Math	No Updates		35	Yes	Summer 2025	This is the second course of the three-course calculus sequence. It is a continuation of a study of techniques for integration of algebraic, trigonometric and transcendental functions, applications of integration techniques, polar coordinates, parametric equations, vectors in two and three dimensions, improper integrals, sequences and series. This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Set up definite integrals that answer questions about volume, length, area, work, center of mass and fluid force 2. Evaluate integrals, both proper and improper using parts, partial fractions decomposition, trig substitutions, and trig identities 3. Determine the convergence or divergence of sequences and series using various standard techniques and tests such as the integral test, ratio and root tests, alternating series test, p-series test, and the nth term divergence test 4. Successfully work with and manipulate power series, especially Taylor series, to determine their radius and interval of convergence, create new power series, and create associated Taylor polynomials 5. Confidently work with curves in the plan given either parametrically or polarly to determine derivatives, length, and areas 6. Confidently work with vectors in the plane and 3-space to know how to represent them, how to add and subtract them, and how to calculate the dot and the cross products 7. Successfully use vectors to determine areas, volumes, projections, and to help to represent forces, lines, and planes
MAC	2	313		CALCULUS WITH ANALYTIC GEOMETRY III	4.0		Math	No Updates		28	Yes	Summer 2025	This is the third course in the calculus with analytic geometry sequence. Topics included in this course are calculus of functions of several variables, multiple integrals with applications, vector valued functions, and vector analysis including Green's and Stoke's Theorems.This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Work with functions of several variables 2. Calculate limits of functions of several variables 3. Understand continuity of functions of several variables 4. Calculate partial derivatives of functions of several variables 5. Calculate the total differential of functions of several variables 6. Apply the chain rule to functions of several variables 7. Calculate directional derivatives and gradients using functions of several variables 8. Find tangent planes to surfaces defined by functions of several variables 9. Calculate the value of double integrals in rectangular and polar coordinates 10. Find extrema of functions of two and three variables 11. Solve applications of extrema of functions of more than one variable 12. Find normal lines to surfaces defined by functions of several variables 13. Calculate surface area and volume under a surface 14. Change from rectangular to cylindrical or spherical coordinates 15. Understand how to evaluate iterated and triple integrals 16. Evaluate triple integrals using spherical and cylindrical coordinates 17. Demonstrate familiarity with vector fields 18. Demonstrate ability to evaluate line integrals 19. Understand how to use the fundamental theorem of line integrals 20. Demonstrate familiarity with Green's Theorem, Stokes' Theorem and Divergence Theorem
MAP	2	302		DIFFERENTIAL EQUATIONS	3.0		Math	No Updates		24	Yes	Summer 2025	This course consists of a study of the methods of solving ordinary differential equations. The major topics include an introduction to differential equations, first-order differential equations, higher-order differential equations, systems of linear differential equations, the Laplace transform and applications. This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate familiarity with definitions and examples of differential equations 2. Demonstrate understanding of slope fields and how they are applied to approximating solutions to differential equations 3. Know the difference between initial value problems and boundary value problems 4. Solve first-order differential equations using various techniques 5. Use numerical techniques to approximate solutions to first-order differential equations 6. Solve applications using differential equations 7. Demonstrate familiarity with the basic theory associated with higher order differential equations 8. Calculate the Wronskian of a set of functions 9. Use various methods to solve homogeneous and nonhomogeneous differential equations of order 2 or more 10. Use series to find approximate solutions to differential equations 11. Demonstrate familiarity with differential operators 12. Use various techniques to solve linear systems of differential equations 13. Demonstrate familiarity with the definition and basic properties of the Laplace transform 14. Calculate the Laplace transform of elementary functions 15. Calculate inverse Laplace transforms 16. Use the Laplace transform to solve linear differential equations with constant coefficients
MCB	2	010	C	MICROBIOLOGY	4.0		Natural Science	No Updates		9	Yes	Summer 2025	This course is a study of microscopic forms of life including bacteria, viruses, fungi, protozoa and helminthes of medical and economic importance. Laboratory work will include microscopy and staining, aseptic transfer and culture techniques and biochemical tests for microbial identification. Recommended: Successful completion of BSC 1005, BSC 2010C, or BSC 2085C/2086C.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Apply the process of science to healthcare-related topics 2. Use quantitative reasoning to address healthcare-related issues 3. Understand the relationship between science and society to improve clinical practice and promote equitable healthcare 4. Employ aseptic technique to sample collection to guard against healthcare-acquired infections and to protect sample integrity 5. Use microbiological and molecular lab techniques to characterize pathogens and identify effective treatment options 6. Understand epidemiological features of select infectious agents and appreciate how those features affect what personal protective equipment and transmission precautions are used 7. Document and report on experimental results and conclusions and relate them to healthcare applications

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MGF	1	106		TOPICS IN COLLEGE MATHEMATICS	3.0		Math	Removed from General Education		9	Yes	Summer 2025	This course is designed for students who plan to major in fields that do not require an in-depth study of mathematics. The major topics introduced in this course are set theory, symbolic logic, geometry and measurement, introductory combinatorics, probability and descriptive statistics, and history of mathematics. This course fulfills the Gordon Rule computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030).	1. Represent mathematical information symbolically and visually through the use of sets and venn diagrams. 2. Demonstrate an understnading of the fundamentals of mathematical logic and be ale to differentiate between a valid argument and a fallacy. 3. Use geometry formaulas and techniques to develop spatial and measurement sense and solve real-world applications. 4. Analyze, interpret, and communicate qualitative and quantitative data verbally, graphically,symbolically, and/or numerically. 5. Use concepts and rules of probability or systemtic counting to solve real-world problems. 6. Use the history of mathematics to explore the beauty and the utility of mathematics.
MGF	1	107		EXPLORATIONS IN MATHEMATICS	3.0		Math	Removed from General Education		8	Yes	Summer 2025	This course is designed for students who plan to major in fields that do not require an in-depth study of mathematics. The major topics introduced in this course are financial mathematics, graph theory, numbers and number systems, and elementary number theory. Additional topics include voting techniques, modular arithmetic, exponential growth and decay, elementary topology, and non-Euclidean geometry. Fractal geometry may be introduced.	1. Formulate/Translate/Solve problems applying mathematical language to real-world financial, economic, and demographic situations. 2. Represent and explain mathematical information graphically, verbally, numerically, and/or symbolicly. 3. Apply critical thinking skills in analyzing and solving mathematical problems with and without the use of technology. 4. Demonstrate the use of historical number systems to the present hindu-arabic system, convert numerical bases other than base ten, and examine the contributions to mathematics made by various cultures. 5. Apply the basic concepts of financial mathematics, numerations systems, elementary number theory, grapg theory, and one or more of the following: voting techniques; linear and exponential growth; modular arithmetic; elementary topology; non- euclidean and fractal geometry.
MGF	1	130		MATHEMATICAL THINKING	3.0	Math	Math	No Updates		35	Yes	Summer 2025	In this course, students will utilize multiple means of problem-solving through student-centered mathematical exploration. The course is designed to teach students to think more effectively and vastly increase their problem-solving ability through practical application and divergent thinking. This course is appropriate for students in a wide range of disciplines/programs. This course fulfills the Gordon Rule of Computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030).	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Determine efficient means of solving a problem through the investigation of multiple mathematical models 2. Apply logic in contextual situations to formulate and determine the validity of logical statements using a variety of methods 3. Apply mathematical concepts visually and contextually to represent, interpret, and reason about geometric figures 4. Recognize the characteristics of numbers and utilize numbers along with their operations appropriately in context 5. Analyze and interpret representations of data to draw reasonable conclusions STATE COURSE LEARNING OUTCOMES 1. Determine efficient means of solving a problem through investigation of multiple mathematical models 2. Apply logic in contextual situations to formulate and determine the validity of logical statements using a variety of methods 3. Apply mathematical concepts visually and contextually to represent, interpret and reason about geometric figures 4. Recognize the characteristics of numbers and utilize numbers along with their operations appropriately in context 5. Analyze and interpret representations of data to draw reasonable conclusions
MGF	1	131		MATHEMATICS IN CONTEXT	3.0		Math	No Updates		29	Yes	Summer 2025	Through this course, students will experience the practicality of mathematics in a global society. Students will engage in the applications of tools and techniques of mathematics in a variety of contextual situations from everyday life. This course is appropriate for students in a wide range of disciplines/programs. This course fulfills the Gordon Rule of Computation requirement and must be completed with a grade of C or higher (pursuant to State Board of Education Rule 6A-10.030).	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Apply mathematical models to civically contextual situations (e.g., stocks, finance, voting, population dynamics, etc.) 2. Organize, visualize, and model data in a meaningful way 3. Analyze and interpret representations of data to draw reasonable conclusions 4. Engage in ways of thinking that may involve sample size, counting strategies, chance, ratios, and proportions
MUL	2	010		MUSIC IN THE HUMANITIES	3.0	Humanities	Humanities	No Updates		21	Yes	Summer 2025	In this course, students will survey the history of classical music from Antiquity to the modern period, focusing on Western music. The curriculum may also integrate a variety of popular and global styles where appropriate. Pertaining to its focus on the cultural and expressive practices and musical forms associated with the Western art music tradition, the course will emphasize listening skills and appreciation and introduce basic concepts of music theory. As part of this humanities course, students will study music within a cultural context to examine the relationships between musical expressions and society.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate proficiency in critical thinking 2. Demonstrate understanding of global sociocultural responsibility 3. Identify the relationships between cultural expressions and their contexts, including connections between music and the other arts 4. Identify historical styles and periods based on instruments and performance practices utilized 5. Demonstrate fundamental knowledge of the works of significant composers 6. Identify the various media of musical sound 7. Discuss and analyze music in writing by correctly using terminology and describing expressions, practices, and/or their contexts appropriate for the course STATE COURSE LEARNING OUTCOMES 1. Discuss and analyze music using terminology appropriate for the course 2. Demonstrate fundamental knowledge of the works of significant composers 3. Identify connections between music and the other arts 4. Identify historical styles and periods based on instruments and performance practices utilized
OCB	2	000	C	FUNDAMENTALS OF MARINE BIOLOGY	4.0		Natural Science	No Updates		2	Yes	Fall 2024	This course consists of a comprehensive survey of the dynamics and evolution of marine ecosystems with emphasis on the local flora and fauna. Laboratory includes identification of marine organisms and the analysis of marine water. Field activities are highly recommended.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Explain and apply major concepts in marine biology 2. Apply taxonomic principles to characterize marine organisms 3. Explain and apply the scientific method
OCE	2	001		SURVEY OF OCEANOGRAPHY	3.0	Natural Science	Natural Science	No Updates		6	Yes	Summer 2025	Using the scientific method, critical thinking skills, data analysis, this course will examine the fundamental processes of the ocean system, composed of an atmosphere, hydrosphere, lithosphere, and biosphere, through time. The course will also explore interactions between these spheres, including critical analysis of scientific theories and emphasize oceanic connections with humanity.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Describe, explain and apply major concepts in oceanography including its physical, chemical, biological and geological aspects 2. Demonstrate knowledge of scientific method 3. Communicate scientific ideas through oral or written assignments 4. Demonstrate problem-solving methods in situations that are encountered outside of the classroom 5. Understand current and historical global diversity and connectivity enabled by our oceans STATE COURSE LEARNING OUTCOMES 1. Use critical thinking to recognize the rigorous standards of scientific theories 2. Analyze and synthesize oceanographic data to draw scientifically valid conclusions 3. Recognize the different time scales associated with different ocean processes 4. Effectively communicate the importance of the interactions between humans and the ocean realm 5. Apply their understanding of these oceanographic principles to various marine issues
OCE	2	001	L	OCEANOGRAPHY LABORATORY	1.0		Natural Science	No Updates		2	Yes	Summer 2025	This is a laboratory course intended to supplement Survey of Oceanography and includes field trips for application of oceanographic techniques.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Explain and apply major concepts in oceanography including its physical, chemical, biological and geological aspects. 2. Demonstrate knowledge of scientific method. 3. Communicate scientific ideas through oral or written assignments. 4. Understand current and historical global diversity and connectivity enabled by our oceans
PHI	2	010		PHILOSOPHY IN THE HUMANITIES	3.0	Humanities	Humanities	No Updates		32	Yes	Summer 2025	In this course, students will be introduced to the nature of philosophy, philosophical thinking, major intellectual movements in the history of philosophy, including topics from the western philosophical tradition, and various problems in philosophy. Students will strengthen their intellectual skills, become more effective learners, and develop broad foundational knowledge. Additional approaches may include understanding the contexts of philosophical inquiry across historical and cultural traditions and their application to the world in which we live.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate understanding of global sociocultural responsibility 2. Interpret cultural artifacts and/or their contexts for significance 3. Compare expressions of philosophy in context 4. Identify major philosophic periods, schools of thought, and the chronological development of ideas 5. Analyze in writing philosophical and ethical expressions and/or their contexts 6. Recognize the elements of philosophic inquiry 7. Apply relevant philosophical principles in the interpretation of specific texts STATE COURSE LEARNING OUTCOMES 1. Develop critical thinking skills 2. Demonstrate an understanding of classical western philosophical views 3. Analyze, explain, and evaluate foundational concepts of epistemology, metaphysics, and ethics
PHI	2	600		INTRODUCTION TO ETHICS	3.0		Humanities	No Updates		19	Yes	Spring 2025	This course is an introduction to the discipline of ethics, ethical theories, and specific ethical issues including foundational texts and authors from the Western philosophical tradition (the Western Canon).	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate proficiency in critical thinking 2. Recognize the relationship between philosophical expressions and their contexts 3. Understand ethical theories 4. Interpret cultural artifacts and/or their contexts for significance 5. Compare foundational ethical texts in context 6. Identify major ethical traditions and and the chronological development of ethical ideas and contexts. 7. Analyze in writing philosophical and ethical expressions and/or their contexts

PHY	1	020	C	PHYSICS FOR LIBERAL ARTS WITH LABORATORY	3.0	Natural Science	Natural Science	No Updates		7	Yes	Summer 2025	This course offers a comprehensive survey of physics, covering a wide range of topics including motion, Newton's laws, energy, sound, heat, electricity, magnetism, and optics. Emphasizing a conceptual understanding of physics, the course integrates critical thinking skills and real-world applications.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Explain and apply major concepts in Physics including mechanics, heat, electricity, magnetism, light and some modern physics 2. Demonstrate proper laboratory technique including safety in the use and care of laboratory equipment and materials 3. Communicate scientific ideas through oral and written assignments 4. Interpret scientific models such as formulas, graphs tables and schematics, draw inferences from them and recognize their limitations 5. Demonstrate problem solving methods in situations that are encountered outside of the classroom STATE COURSE LEARNING OUTCOMES 1. Critically evaluate everyday phenomena using the scientific method 2. Explain the basis of physical principles (such as conservation laws) and how they apply to everyday phenomena 3. Interpret information conveyed in diagrams and graphs 4. Perform simple calculations relevant to real world problems
PHY	2	048	C	PHYSICS I WITH CALCULUS	4.0	Natural Science	Natural Science	No Updates		14	Yes	Summer 2025	This calculus-based course serves as the first in a two-part series, covering topics like kinematics, dynamics, energy, momentum, rotational motion, fluid dynamics, oscillatory motion, and waves.Designed for science and engineering majors, the course integrates critical thinking, analytical skills, and real-world applications.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Explain and apply major concepts and equations of classical physics including mechanics (motion, vectors, force, energy, momentum, elasticity, fluid mechanics, conservation principles, rotational and harmonic motions) and temperature, heat, and thermodynamics 2. Demonstrate proper laboratory technique including safety in the use and care of laboratory equipment and materials 3. Communicate scientific ideas through oral or written assignments and demonstrate knowledge of the scientific method 4. Interpret scientific models using formulas, graphs, tables and schematics, drawing inferences from them and recognizing their limitations 5. Model and analyze physical situations that are encountered outside of the classroom STATE COURSE LEARNING OUTCOMES 1. Solve analytical problems describing different types of motion, including translational, rotational, and simple harmonic motion 2. Apply Newton's laws, and conservation laws to solve analytical problems of mechanics 3. Identify and analyze relevant information presented in various formats such as graphs, tables, diagrams, and/or mathematical formulations 4. Solve real world problems using critical thinking skills and knowledge developed from this course
PHY	2	049	C	PHYSICS II WITH CALCULUS	4.0		Natural Science	No Updates		13	Yes	Summer 2025	This course, a continuation of Physics I With Calculus, includes electricity, magnetism, light and some areas of modern physics. Laboratory work is similar to and a continuation of the laboratory in Physics I With Calculus.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Explain and apply major concepts and equations of classical physics including electrostatics, electrodynamics, magnetostatics, Maxwell's equations, electromagnetic waves, and geometric optics, and from modern physics the special theory of relativity 2. Demonstrate proper laboratory technique including safety in the use and care of laboratory equipment and materials 3. Communicate scientific ideas through oral or written assignments and demonstrate knowledge of the scientific method 4. Interpret scientific models using formulas, graphs, tables and schematics, drawing inferences from them and recognizing their limitations 5. Model and analyze physical situations that are encountered outside of the classroom
PHY	2	053	C	GENERAL PHYSICS I	4.0	Natural Science	Natural Science	No Updates		8	Yes	Summer 2025	This course is the first in a two-part series intended for non-physics majors, offering an algebra and trigonometry approach to topics such as kinematics, dynamics, energy, momentum, rotational motion, fluid dynamics, oscillatory motion, and waves. The course, designed for those students who are majoring in pre-health professions, technology, biomedical and biological sciences, fosters analytical and critical thinking skills to promote a scientific understanding of the real world.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Apply kinematics of translational and rotational motion, Newton's laws, conservation laws and thermodyanamics laws by using algebra and trigonometry to solve analytical problems of mechanics, heat and thermodynamics 2. Demonstrate proper physics laboratory technique including safety in the use and care of laboratory equipment and materials, collect and analyze data 3. Demonstrate effective communication of major concepts of mechanics and thermodynamics through oral and written assignments 4. Interpret scientific models such as physics formulas, graphs tables and schematics, draw inferences from them and recognize their limitations 5. Apply physics problem-solving methods in real-world situations using critical thinking skills and knowledge developed from this course. STATE COURSE LEARNING OUTCOMES 1. Solve analytical problems describing different types of motion, including translational, rotational, and simple harmonic motion using algebra and trigonometry 2. Apply Newton's laws, and conservation laws by using algebra and trigonometry to solve analytical problems of mechanics 3. Identify and analyze relevant information presented in various formats such as graphs, tables, diagrams, and/or mathematical formulations 4. Solve real world problems using critical thinking skills and knowledge developed from this course
PHY	2	054	C	GENERAL PHYSICS II	4.0		Natural Science	No Updates		8	Yes	Summer 2025	This course, a continuation of General Physics I, includes electricity, magnetism, light, waves (sound, optics, and so forth) and some areas of modern physics. Laboratory work is similar to and a continuation of the laboratory in General Physics I.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Explain and apply major concepts in Physics including electricity and magnetism, optics, waves (sound, light and so forth) and some areas of modern physics 2. Demonstrate proper physics laboratory technique including safety in the use and care of laboratory equipment and materials, collect and analyze data 3. Demonstrate effective communication of physics concepts through oral and written assignments 4. Interpret scientific models such as physics formulas, graphs tables and schematics, draw inferences from them and recognize their limitations 5. Demonstrate physics problem-solving methods in situations that are encountered outside the classroom
POS	2	041		AMERICAN FEDERAL GOVERNMENT	3.0	Social Sciences	Social Sciences	No Updates		30	Yes	Summer 2025	In this course, students will investigate how the national government is structured and how the American constitutional republic operates. It covers the philosophical and historical foundations of American government, including but not limited to the Declaration of Independence, the United States constitution and all its amendments, and The Federalist Papers. The course examines the branches of government and the government¬ęs laws, policies, and programs. It also examines the ways in which citizens participate in their government and ways their government responds to citizens. Topics may include federalism, civil liberties, civil rights, political parties, interest groups, political campaigns, voting rights/behavior, elections, the presidency, bureaucracy, Congress and the American judicial system.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Have developed an historical context for understanding current issues and events such as evolution of the U.S. Constitution and its application 2. Have knowledge of founding documents such as the Federalist Papers, Articles of Confederation, Common Sense, etc. 3. Understand landmark Supreme Court cases, landmark legislation and executive actions 4. Have developed a greater understanding of world events 5. Have knowledge of the nature and functions of self-government institutions STATE COURSE LEARNING OUTCOMES 1. Demonstrate an understanding of the basic principles and practices of America's constitutional republic 2. Demonstrate knowledge of the nation's founding documents, including the Declaration of Independence, the U.S. Constitution and its amendments, and The Federalist Papers. 3. Demonstrate knowledge of landmark U.S. Supreme Court cases, landmark legislation and landmark executive actions 4. Demonstrate knowledge of the history and development of the American federal government and its impact on law and society 5. Demonstrate an ability to apply course material to contemporary political issues and debates 6. Demonstrate the ability to engage in discussion and civil debate on American politics that are associated with multiple points of view.
POS	2	112		STATE AND LOCAL GOVERNMENT	3.0		Social Sciences	No Updates		13	Yes	Summer 2025	This course, consisting of a study of state and local forms of government in the United States, explores the government of Florida as an example of activities and patterns of state government. In addition, the course examines the responsibilities of local government at county and city levels. This course includes instruction on the historical background and philosophical foundation of Western civilization and this nation¬ęs historical documents in particular those that pertain to state government (e.g., the Bill of Rights and the original and current constitutions of the state of Florida.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Think critically about the institutions of state and local government, the influences on them, and the dynamic between them 2. Have a general framework for understanding the basic principles and components for state constitutions 3. Become familiar with the state's role in electoral systems, voting and voting procedures 4. Understand the functions and roles of the three branches of state government 5. Become aware of the role of political parties and groups in state government 6. Become aware of the function, roles, and procedures of county government 7. Have a comprehensive review of forms of municipal governments 8. Have an understanding of the roles of special district and school boards on the local arena
PSC	1	341		PHYSICAL SCIENCE	3.0		Natural Science	No Updates		4	Yes	Spring 2025	This course acquaints individuals with the development of the physical sciences, with the integrating principles and theories in the physical sciences, with the practice of the scientific method and with a useful knowledge of selected areas in mechanics, electricity and magnetism, periodicity and atomic structure, and nuclear phenomena. Presentation involves lectures, demonstrations and films. Students will benefit by taking high school algebra or Elementary Algebra prior to enrolling in this course.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Explain and apply major physical science concepts in mechanics, electricity and magnetism, periodicity, chemical and atomic structure, and nuclear phenomena 2. Demonstrate knowledge of scientific method 3. Communicate scientific ideas 4. Demonstrate problem solving methods in situations that are encountered outside of the classroom 5. Demonstrate the ability to use scientific and quantitative reasoning 6. Demonstrate the ability to think critically

PSY	1	012		GENERAL PSYCHOLOGY	3.0	Social Sciences	Social Sciences	No Updates			6	Yes	Summer 2025	In this course, students will gain an introduction to the scientific study of human behavior and mental processes. Topics may be drawn from historical and current perspectives in psychology.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Define and explain basic psychological concepts 2. Interpret research findings related to psychological concepts 3. Apply psychological principles to personal growth and other aspects of everyday life 4. Describe the advantages and limitations of research strategies 5. Evaluate, design, or conduct psychological research 6. Draw logical and objective conclusions about behavior and mental processes from empirical evidence 7. Examine how psychological science can be used to counter unsubstantiated statements, opinions, or beliefs STATE COURSE LEARNING OUTCOMES 1. Identify basic psychological theories, terms, and principles from historical and current perspectives 2. Recognize real-world applications of psychological theories, terms, and principles 3. Recognize basic strategies used in psychological research 4. Draw logical conclusions about behavior and mental processes based on empirical evidence
REL	2	000		RELIGION IN THE HUMANITIES	3.0		Humanities	Updated	Course Title		6	Yes	Summer 2025	This course examines how religion has grappled with the essential questions of the human experience. Students will explore how religion has shaped ethics, aesthetics, and the search for meaning by engaging with sacred texts, symbols, and rituals, with particular attention to primary sources from the Western canon.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate proficiency in critical thinking 2. Recognize the relationships between cultural expressions and their contexts 3. Understand functions of religious belief systems and practices 4. Interpret cultural artifacts and/or their contexts for significance 5. Analyze the primary definitions of religion as proposed by the primary theorists in the field 6. Describe the primary purpose and function of religion as expressed by primary theorists in the field 7. Describe the major substances of religion to include religions that are global, indigenous, and new 8. Evaluate the role and function that ritual plays within the context of the religious experience 9. Analyze the role that myths play within the formation and legitimation of the religious community 10. Evaluate the role that social activism and asceticism has on identity formation for individuals within the religious community 11. Assess how far the term New Religious Movement is more beneficial to understanding nascent religious expressions over terms such as cult or sect
REL	2	300		WORLD RELIGIONS	3.0		Humanities	No Updates			24	Yes	Summer 2025	This course is a survey of religious traditions of the world, noting distinctive features and common elements of the practice and experience in various religious traditions. This includes the analysis of artifacts and texts from the Western Canon.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate proficiency in critical thinking 2. Recognize the relationships between particular religious expressions and their contexts 3. Understand functions of particular religious belief systems and practices 4. Interpret cultural artifacts and/or their contexts for significance 5. Identify and describe the nature of religious belief, to include the primary theoretical arguments pertaining to the function and substances of religion 6. Describe the major beliefs, traditions, and practices of the World Religions, along with indigenous and new religious movements (or Alternative) 7. Compare practices and beliefs across religious systems 8. Interpret primary sources from the World Religions
SPC	2	017		INTRODUCTION TO SPEECH COMMUNICATIONS	3.0		Communications	Updated	Course Title		1	Yes	Summer 2025	This course provides theory and practice in interpersonal, intrapersonal, small group, business, intercultural, public speaking, and mass communication. This course emphasizes the responsibilities of individuals in the communication process required by a variety of communication settings. The course focuses on improving public speaking and interpersonal communication skills and will reinforce reading and writing competencies and information literacy skills.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Deliver a well-organized speech tailored to a specific purpose and audience 2. Access, document, and present relevant and credible information in appropriate writing and speaking manner 3. Deliver information in an appropriate and engaging manner through the use of voice and body 4. Integrate visual components into an oral presentation appropriate to audience and purpose 5. Identify, negotiate, and address anxiety and fear related to oral communication through appropriate strategies 6. Articulate an appreciation for the role of communicative arts in enriching and advancing the human experience
SPC	2	608		FUNDAMENTALS OF PUBLIC SPEAKING	3.0		Communications	No Updates			16	Yes	Summer 2025	This essential course in speaking and listening skills instructs students in the principles and procedures that promote effective oral communication. This course focuses on audience analysis, determination of purpose, listening, and how to acquire and use supporting material, and message organization. This course also helps develop delivery skills that will enhance the message through the practice of effective non-verbal communication in the public speaking context. The course will reinforce speaking, reading, listening, writing, and information literacy skills. This course will teach students how to address a broad range of diverse topics and how to address audiences using respectful and inclusive language.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Listen with literal and critical comprehension perceives speaker's purpose of organization and information; discriminates between facts and opinions; detects bias and prejudice. 2. Compose an oral presentation providing ideas and information suitable to the audience and occasion 3. Use presentation technology 4. Speak using grammatically correct standard American English 5. Convey effective delivery including the language areas of articulation, diction, and vocabulary, as well as nonverbal aspects 6. Write and present logically organized essays/speeches that demonstrate a clear progression of ideas 7. Write or present essays/speeches with a clear thesis that is supported by appropriate, sufficient evidence 8. Cite/document, correctly, information sources in essays and speeches
SPC	2	065		SPEECH COMMUNICATION FOR BUSINESS AND THE PROFESSIONS	3.0		Communications	Updated	Course Title		1	Yes	Summer 2025	This course is designed to develop and refine oral communication skills in business and the professions. Students will learn basic listening, interpersonal, group and public speaking skills. Additional emphasis is given to non-verbal communication, preparing cover letters and resumes and job interview skills. Skills in using multi-media technology may be included. This course focuses on speaking and listening competencies and will reinforce reading and writing competencies and CLAS communication skills.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Deliver a well-organized speech tailored to a specific purpose and audience 2. Access, document and present relevant and credible information in appropriate writing and speaking manners 3. Deliver information in an appropriate and engaging manner through the use of voice and body 4. Integrate visual components into an oral presentation appropriate to audience and purpose 5. Identify, negotiate, and address anxiety and fear related to oral communication through appropriate strategies 6. Articulate an appreciation for the role of communicative arts in enriching and advancing the human experience
STA	2	023		ELEMENTARY STATISTICS	3.0	Math	Math	No Updates			40	Yes	Summer 2025	In this course students will utilize descriptive and inferential statistical methods in contextual situations, using technology as appropriate. The course is designed to increase problem-solving abilities and data interpretation through practical applications of statistical concepts. This course is appropriate for students in a wide range of disciplines and programs.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Create, analyze, interpret, and communicate qualitative and quantitative data verbally, graphically, symbolically and numerically 2. Use concepts and rules of probability to solve real-life problems 3. Evaluate and apply properties of discrete and continuous distributions 4. Draw inferences from constructing confidence intervals and conducting hypothesis tests 5. Analyze and interpret real-life situations using correlation, regression, and statistical tests STATE COURSE LEARNING OUTCOMES 1. Visualize and summarize data using descriptive statistics 2. Apply basic probability concepts to draw reasonable conclusions 3. Employ concepts of random variables, sampling distributions, and central limit theorem to analyze and interpret representations of data 4. Choose an appropriate method of inferential statistics, including confidence intervals and hypothesis testing, to make decisions about a population based on sample data 5. Model linear relationships between quantitative variables using correlation and linear regression
~~SYG~~	~~2~~	~~000~~	~~-~~	~~INTRODUCTORY SOCIOLOGY~~	~~3.0~~		~~Social Sciences~~	~~No Updates~~			~~24~~	~~Yes~~	~~Summer 2025~~	~~In this course, students will gain an understanding of the basic sociological concepts and vocabulary, including the methodological tools, sociological perspectives, and scientific procedures used by social scientists to collect data and conduct research. Topics generally include: society and culture, institutions, socialization, influences, crime, change, groups, sex, race and ethnicity, family, class and population.~~	~~STATE COURSE LEARNING OUTCOMES~~ ~~1. Apply multiple sociological perspectives.~~ ~~2. Identify methodological tools used to evaluate sociological research questions.~~ ~~3. Understand dynamics between individual agency and social influences.~~
THE	2	000		THEATRE IN THE HUMANITIES	3.0	Humanities	Humanities	No Updates			23	Yes	Summer 2025	In this course, students will explore dramatic structure, techniques, and various organizational elements. The course provides an introduction to theatre as a collaborative art form through the critical analysis of its historical context, production, theory, and connections to theatrical literature, including the Western cannon. As a humanities course, students will study societies that create dramatic expressions through analysis and investigation of these expressions to include causal influences and relationships between dramatic works and contexts.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate proficiency in critical thinking 2. Demonstrate understanding of global sociocultural responsibility 3. Recognize the relationships between cultural expressions and their contexts 4. Understand cultural expressions 5. Interpret cultural artifacts and/or their contexts for significance 6. Identify causal influences in the chronological development of arts and/or ideas 7. Compare expressions of theatre and other forms 8. Analyze in writing cultural artifacts, cultural expressions, and/or their contexts 9. Communicate aesthetic and contextual concepts in theatre 10. Identify universal themes in theater performance 11. Interpret texts within cultural and historical context STATE COURSE LEARNING OUTCOMES 1. Identify the basic principles of theatrical performance, design, technology, organization, and management 2. Assess the significance and the human condition as expressed through the performing arts 3. Explore and interpret works of art utilizing creative and critical thinking skills 4. Demonstrate college-level writing 5. Define, compare and contrast theater as both an expressive art form and a commercial industry
WOH	1	012		WORLD HISTORY TO 1500	3.0		Social Sciences	No Updates			8	Yes	Summer 2025	This course surveys the evolution of world civilizations from pre-history to the modern era (1500). This course examines the development of political, intellectual, social, cultural, and economic developments across the globe, including Africa, Asia, Europe, and the Americas. The course explores how these developments have influenced/continue to influence the modern.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate an understanding of the social, political, and economic development of world history 2. Develop a historical context for understanding current issues and events

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WOH	1	022		WORLD HISTORY SINCE 1500	3.0		Social Sciences	No Updates		9	Yes	Fall 2024	This course surveys the evolution of world civilizations since 1500. This course examines the development of political, intellectual, social, cultural, and economic developments across the globe, including Africa, Asia, Europe, and the Americas. The course explores how these developments have influenced/continue to influence the modern world.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Demonstrate an understanding of the social, political, and economic development of world history 2. Develop a historical context for understanding current issues and events 4. Think critically about institutions, cultures, and behaviors of the people of the world (and/or their local and/or national government)
ZOO	1	010	C	GENERAL ZOOLOGY	4.0		Natural Science	No Updates		4	Yes	Fall 2024	Students will benefit by taking Life in Its Biological Environment, Principles of Biology I or high school biology prior to enrolling in this course. This is a survey of the animal kingdom with emphasis on taxonomy, life cycles, evolution, organ systems and phylogenetic relationships. A representative of each of the major groups will be discussed and investigated.	INSTITUTIONAL COURSE LEARNING OUTCOMES 1. Recognize the basic structure, classification, and life cycles of major animal phyla and classes 2. Demonstrate knowledge of the origin of animals and their relationship with Protozoans 3. Demonstrate knowledge of basic principles of animal ecology and population dynamics 4. Demonstrate knowledge of natural selection, principles of evolution and principles of phylogeny and taxonomy 5. Prepare laboratory dissections of various animal taxa 6. Identify anatomical structures and taxonomical classification of dissection specimens 7. Conduct an experiment, collect and analyze data, and interpret results in a laboratory setting 8. Formulate, analyze, evaluate, and test a scientific hypothesis 9. Read and comprehend primary literature articles related to topics covered in the course