

**Draft Course Descriptions and Learning Outcomes
Texas Higher Education Coordinating Board
September 2013**

**Materials for the 2013 *Academic Course Guide Manual (ACGM)*
Learning Outcomes Project and the 2012 Tuning Oversight
Council for Mathematics, Business, and Information Systems**

The ACGM Learning Outcomes Project faculty groups are made up of 10 to 12 individuals representing Texas public community and technical colleges and public universities equally. These work groups have developed new course descriptions and learning outcomes for selected courses in the discipline areas of Anthropology (ANTH), Art (ARTS), Criminal Justice (CRIJ), Drama/Theater (DRAM), Geology (GEOL), and Humanities (HUMA). The Subcommittee on Fine-Tuning of the 2012 Tuning Oversight Council for Mathematics, Business, and Information Systems did the same for certain courses in the discipline areas of Accounting (ACCT), Business (BUSI), Business Computer Information Systems (BCIS), Computer Science (COSC), and Mathematics (MATH).

Student learning outcomes describe what students should be able to demonstrate in terms of knowledge, skills, and attitudes upon completion of a course. The goal is for the new descriptions and learning outcomes to be included in the ACGM. As part of the development process the faculty groups surveyed course syllabi from public institutions. We invite you to review and comment upon these draft descriptions and outcomes. The public comment period will begin September 18, 2013 and will end on October 18, 2013.

Please email your comments to Ms. Rebecca Leslie at Rebecca.Leslie@thecb.state.tx.us. The faculty groups will take into consideration comments received.

ACCT (Accounting)

ACCT 2301 Principles of Financial Accounting (*title change*)

This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for purposes of making decisions about the company. Students will be exposed to International Financial Reporting Standards (IFRS).

Prerequisite: MATH 1325 – Calculus for Business and Social Sciences, or equivalent.

Approval Number.....	52.0301.51 04
maximum SCH per student.....	3
maximum SCH per course	3
maximum contact hours per course	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Use basic accounting terminology and the assumptions, principles, and constraints of the accounting environment.
2. Identify the difference between accrual and cash basis accounting.
3. Analyze and record business events in accordance with U.S. generally accepted accounting principles (GAAP).
4. Prepare adjusting entries and close the general ledger.
5. Prepare financial statements in an appropriate U.S. GAAP format, including the following: income statement, balance sheet, statement of cash flows, and statement of shareholders' equity.
6. Analyze and interpret financial statements using financial analysis techniques.
7. Describe the conceptual differences between International Financial Reporting Standards and U.S. generally accepted accounting principles.

ACCT 2302 Principles of Managerial Accounting (*title change*)

This course is an introduction to the fundamental concepts of managerial accounting appropriate for all organizations. Students will study information from the entity's accounting system relevant to decisions made by internal managers, as distinguished from information relevant to users who are external to the company. The emphasis is on the identification and assignment of product costs, operational budgeting and planning, cost

control, and management decision making. Topics include product costing methodologies, cost behavior, operational and capital budgeting, and performance evaluation.

Prerequisite: ACCT 2301 – Principles of Financial Accounting

Approval Number.....	52.0301.51 04
maximum SCH per student.....	3
maximum SCH per course.....	3
maximum contact hours per course.....	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Identify the role and scope of financial and managerial accounting and the use of accounting information in the decision making process of managers.
2. Define operational and capital budgeting, and explain its role in planning, control, and decision making.
3. Prepare an operating budget, identify its major components, and explain the interrelationships among its various components.
4. Explain methods of performance evaluation.
5. Use appropriate financial information to make operational decisions.
6. Demonstrate use of accounting data in the areas of product costing, cost behavior, cost control, and operational and capital budgeting for management decisions.

ANTH (Anthropology)

ANTH 2301 Physical Anthropology (lecture)

The study of human origins and bio-cultural adaptations. Topics may include primatology, genetics, human variation, forensics, health, and ethics in the discipline.

Approval Number.....	45.0301.51 25
maximum SCH per student.....	3
maximum SCH per course.....	3
maximum contact hours per course.....	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Describe key concepts and theories of physical anthropology.
2. Explain the principles and processes of human evolution.
3. Describe how the scientific method is used in physical anthropology.

ANTH 2101 Physical Anthropology (lab)

This laboratory-based course accompanies ANTH 2301 Physical Anthropology (lecture) and includes demonstrations of the major principles of the lecture course.

Approval Number.....	45.0301.51	25
maximum SCH per student.....		1
maximum SCH per course.....		1
maximum contact hours per course.....		48

Learning Outcomes

Upon successful completion of this course, students will:

1. Apply the concepts of physical anthropology in a laboratory setting.
2. Effectively communicate the results of scientific investigations.

ANTH 2401 Physical Anthropology (lecture + lab)

This lecture and lab course should combine all of the elements of ANTH 2301 Physical Anthropology (lecture) and ANTH 2101 Physical Anthropology (lab), including the learning outcomes listed for both courses.

Approval Number.....	45.0301.51	25
maximum SCH per student.....		4
maximum SCH per course.....		4
maximum contact hours per course.....		96

ANTH 2302 Introduction to Archeology

The study of the human past through material remains. The course includes a discussion of methods and theories relevant to archeological inquiry. Topics may include the adoption of agriculture, response to environmental change, the emergence of complex societies, and ethics in the discipline.

Approval Number.....	45.0301.51	25
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		48

Learning Outcomes

Upon successful completion of this course, students will:

1. Describe key concepts and theories in archeology.
2. Explain the key techniques and methods used in archeology.
3. Demonstrate an understanding of long-term cultural change from an archeological perspective.

ANTH 2346 General Anthropology

The study of human beings, their antecedents, related primates, and their cultural behavior and institutions. Introduces the major subfields: physical and cultural anthropology, archeology, linguistics, their applications, and ethics in the discipline. (Cross-listed as HUMA 2323)

Approval Number.....	45.0201.51	25
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		48

Learning Outcomes

Upon successful completion of this course, students will:

1. Describe the key concepts and methods of anthropology.
2. Compare and contrast the subfields of anthropology, including but not limited to physical anthropology, cultural anthropology, and archeology.
3. Demonstrate an understanding of anthropological approaches to human diversity.

ANTH 2351 Cultural Anthropology

The study of human cultures. Topics may include social organization, institutions, diversity, interactions between human groups, and ethics in the discipline.

Approval Number.....	45.0201.53	25
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		48

Learning Outcomes

Upon successful completion of this course, students will:

1. Describe key concepts and methods of cultural anthropology.
2. Explain the concept of culture, cultural diversity, and culture change.
3. Demonstrate how anthropological concepts apply to addressing human and global challenges.

ARTS (Studio Art and Art History)

ARTS 1301 Art Appreciation

A general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process. Students will critically interpret and evaluate works of art within cultural contexts.

Approval Number.....	50.0703.51	26
maximum SCH per student.....		3

maximum SCH per course	3
maximum contact hours per course	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Apply art terminology as it specifically relates to works of art.
2. Demonstrate knowledge of art elements and principles of design.
3. Differentiate between the processes and materials used in the production of various works of art.
4. Critically interpret and evaluate works of art.
5. Demonstrate an understanding of the impact of arts on culture.

ARTS 1303 Art History I (Prehistoric to the 14th century)

A chronological analysis of the historical and cultural contexts of painting, sculpture, architecture, and related visual arts from prehistoric times to the 14th century.

Approval Number.....	50.0703.52	26
maximum SCH per student.....		3
maximum SCH per course		3
maximum contact hours per course		48

Learning Outcomes

Upon successful completion of this course, students will:

1. Identify and describe works of art based on their chronology and style, using standard categories and terminology.
2. Investigate major artistic developments and significant works of art from prehistoric times to the 14th century.
3. Analyze the relationship of art to history by placing works of art within cultural, historical, and chronological contexts.
4. Critically interpret and evaluate works of art.

ARTS 1304 Art History II (14th century to the present)

A chronological analysis of the historical and cultural contexts of painting, sculpture, architecture, and related visual arts from the 14th century to the present day.

Approval Number.....	50.0703.52	26
maximum SCH per student.....		3
maximum SCH per course		3
maximum contact hours per course		48

Learning Outcomes

Upon successful completion of this course, students will:

1. Identify and describe works of art based on their chronology and style, using standard categories and terminology.
2. Investigate major artistic developments and significant works of art from the 14th century to the present day.
3. Analyze the relationship of art to history by placing works of art within cultural, historical, and chronological contexts.
4. Critically interpret and evaluate works of art.

ARTS 1311 Design I (2-dimensional)

An introduction to the fundamental terminology, concepts, theory, and application of two-dimensional design.

Approval Number.....	50.0401.53	26
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		96

Learning Outcomes

Upon successful completion of this course, students will:

1. Identify and apply the elements of art and principles of design.
2. Employ discipline specific vocabulary in the evaluation of design problems-
3. Demonstrate creative skill in aesthetic problem solving within assigned parameters.
4. Demonstrate an appropriate level of professional practice, including safety, craft and presentation.

ARTS 1312 Design II (3-dimensional)

An introduction to the fundamental terminology, concepts, theory, and application of three-dimensional design.

Approval Number.....	50.0401.53	26
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		96

Learning Outcomes

Upon successful completion of this course, students will:

1. Identify and apply the elements of art and principles of design.
2. Employ discipline specific vocabulary in the evaluation of design problems.
3. Demonstrate creative skill in aesthetic problem solving within assigned parameters.
4. Demonstrate an appropriate level of professional practice, including safety, craft and presentation.

ARTS 1316 Drawing I

A studio course exploring drawing with emphasis on descriptive, expressive and conceptual approaches. Students will learn to see and interpret a variety of subjects while using diverse materials and techniques. Course work will facilitate a dialogue in which students will engage in critical analysis and begin to develop their understanding of drawing as a discipline.

Approval Number.....	50.0705.52	26
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		96

Learning Outcomes

Upon successful completion of this course, students will:

1. Describe visual subjects through the use of accurate and sensitive observation.
2. Generate drawings which demonstrate descriptive, expressive, and conceptual approaches.
3. Utilize varied materials and techniques with informed aesthetic and conceptual strategies.
4. Demonstrate an appropriate level of professional practice, including safety, craft and presentation.
5. Analyze and critique drawings verbally and in writing.
6. Relate drawing to design, art history and contemporary artistic production.

ARTS 1317 Drawing II

A studio course exploring drawing with continued emphasis on descriptive, expressive and conceptual approaches. Students will further develop the ability to see and interpret a variety of subjects while using diverse materials and techniques. Course work will facilitate a dialogue in which students will employ critical analysis to broaden their understanding of drawing as a discipline.

Approval Number.....	50.0705.52	26
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		96

Learning Outcomes

Upon successful completion of this course, students will:

1. Describe visual subjects through the use of accurate and sensitive observation.
2. Generate drawings which demonstrate descriptive, expressive, and conceptual approaches with an increased focus on individual expression.

3. Utilize varied materials and techniques, including color media, with informed aesthetic and conceptual strategies.
4. Demonstrate an appropriate level of professional practice, including safety, craft and presentation.
5. Analyze and critique drawings verbally and in writing.
6. Relate their drawings to historical and contemporary developments in the field.

BCIS (Business Computer Information Systems)

BCIS 1305 Business Computer Applications

Students will study computer terminology, hardware, and software related to the business environment. The focus of this course is on business productivity software applications and professional behavior in computing, including spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet.

Approval Number.....	11.0202.54 04
maximum SCH per student.....	3
maximum SCH per course.....	3
maximum contact hours per course.....	96

Learning Outcomes

Upon successful completion of this course, students will:

1. Describe the fundamentals of Information Technology (IT) infrastructure components: hardware, software, and data communications systems.
2. Explain the guiding principles of professional behavior in computing.
3. Demonstrate proper file management techniques to manipulate electronic files and folders in a local and networked environment.
4. Use business productivity software to manipulate data and find solutions to business problems.
5. Explain the concepts and terminology used in the operation of application systems in a business environment.
6. Identify emerging technologies for use in business applications.
7. Complete projects that integrate business software applications.

BUSI (Business)

BUSI 1301 Business Principles

This course provides a survey of economic systems, forms of business ownership, and considerations for running a business. Students will learn various aspects of business, management, and leadership functions; organizational considerations; and decision-making processes. Financial topics are introduced, including accounting, money and banking, and securities markets. Also included are discussions of business challenges in the legal and

regulatory environment, business ethics, social responsibility, and international business. Emphasized is the dynamic role of business in everyday life

Approval Number.....	52.0101.51 04
maximum SCH per student.....	3
maximum SCH per course.....	3
maximum contact hours per course.....	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Identify major business functions of accounting, finance, information systems, management, and marketing.
2. Describe the relationships of social responsibility, ethics, and law in business.
3. Explain forms of ownership, including their advantages and disadvantages.
4. Identify and explain the domestic and international considerations for today's business environment: social, economic, legal, ethical, technological, competitive, and international.
5. Identify and explain the role and effect of government on business.
6. Describe the importance and effects of ethical practices in business and be able to analyze business situations to identify ethical dilemmas and ethical lapses.
7. Describe basic financial statements and show how they reflect the activity and financial condition of a business.
8. Explain the banking and financial systems, including the securities markets, business financing, and basic concepts of accounting.
9. Explain integrity, ethics, and social responsibility as they relate to leadership and management.
10. Explain the nature and functions of management.
11. Identify strengths, weaknesses, opportunities, and threats of information technology for businesses.

BUSI 2301 Business Law

The course provides the student with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.

Prerequisite: High school coursework in U.S. history and government, or equivalent.

Approval Number.....	22.0101.51 24
maximum SCH per student.....	3
maximum SCH per course.....	3
maximum contact hours per course.....	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Describe the origins and structure of the U.S. legal system.
2. Describe the relationship of ethics and law in business.
3. Define relevant legal terms in business.
4. Explain basic principles of law that apply to business and business transactions.
5. Describe business law in the global context.
6. Describe current law, rules, and regulations related to settling business disputes.

COSC (Computer Science)

COSC 1337 Programming Fundamentals II

This course focuses on the object-oriented programming paradigm, emphasizing the definition and use of classes along with fundamentals of object-oriented design. The course includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering processes. Students will apply techniques for testing and debugging software. (This course is included in the Field of Study Curriculum for Computer Science.)

Prerequisite: COSC 1336/1436 – Programming Fundamentals I

Approval Number.....	11.0201.56 07
maximum SCH per student.....	3
maximum SCH per course.....	3
maximum contact hours per course.....	96

Learning Outcomes

Upon successful completion of this course, students will:

1. Identify and explain a programming development lifecycle, including planning, analysis, design, development, and maintenance.
2. Demonstrate a basic understanding of object-oriented programming by using structs and classes in software projects.
3. Use object-oriented programming techniques to develop executable programs that include elements such as inheritance and polymorphism.
4. Document and format code in a consistent manner.
5. Apply basic searching and sorting algorithms in software design.
6. Apply single- and multi-dimensional arrays in software.
7. Use a symbolic debugger to find and fix runtime and logical errors in software.

COSC 2325 Computer Organization (*title change*)

The organization of computer systems is introduced using assembly language. Topics include basic concepts of computer architecture and organization, memory hierarchy, data types, computer arithmetic, control structures, interrupt handling, instruction sets,

performance metrics, and the mechanics of testing and debugging computer systems. Embedded systems and device interfacing are introduced.

Prerequisite: COSC 1336/1436—Programming Fundamentals I

Approval Number.....	11.0201.54 07
maximum SCH per student.....	3
maximum SCH per course	3
maximum contact hours per course	96

Learning Outcomes

Upon successful completion of this course, students will:

1. Explain contemporary computer system organization.
2. Describe data representation in digital computers.
3. Explain the concepts of memory hierarchy, interrupt processing, and input/output mechanisms.
4. Measure the performance of a computer system.
5. Design and develop assembly language applications.
6. Explain the interfaces between software and hardware components.
7. Explain the design of instruction set architectures.
8. Develop a single-cycle processor.

CRIJ (Criminal Justice)

CRIJ 1301 Introduction to Criminal Justice

This course provides a historical and philosophical overview of the American criminal justice system, including the nature, extent, and impact of crime; criminal law; and justice agencies and processes.

Approval Number.....	43.0104.51 24
maximum SCH per student.....	3
maximum SCH per course	3
maximum contact hours per course	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Describe the history and philosophy of the American criminal justice system.
2. Explain the nature and extent of crime in America.
3. Analyze the impact and consequences of crime.
4. Evaluate the development, concepts, and functions of law in the criminal justice system.
5. Describe the structure of contemporary federal, state, and local justice agencies and processes.

CRIJ 1306 Court Systems & Practices

The study of the structures, procedures, practices and sources of law in American courts.

Approval Number.....	22.0101.54	24
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		48

Learning Outcomes

Upon successful completion of this course, students will:

1. Describe the American judicial systems (civil, criminal, and juvenile), their jurisdiction, development and structure.
2. Analyze the function and dynamics of the courtroom work group.
3. Identify judicial processes from pretrial to appeal.
4. Describe the significant Constitutional Amendments, doctrines, and other sources of law in the American judicial system.

CRIJ 1310 Fundamentals of Criminal Law

This course is the study of criminal law including application of definitions, statutory elements, defenses and penalties using Texas statutes, the Model Penal Code, and case law. The course also analyzes the philosophical and historical development of criminal law and criminal culpability.

Approval Number.....	22.0101.53	24
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		48

Learning Outcomes

Upon successful completion of this course, students will:

1. Identify the elements of crimes and defenses under Texas statutes, Model Penal Code, and case law.
2. Classify offenses and articulate penalties for various crimes.
3. Compare culpable mental states when assigning criminal responsibility.
4. Assess the impact of history and philosophy on current criminal laws.
5. Evaluate the application of criminal law to other areas of criminal justice such as law enforcement and corrections.

CRIJ 2313 Correctional Systems & Practices

This course is a survey of institutional and non-institutional corrections. Emphasis will be placed on the organization and operation of correctional systems; treatment and rehabilitation; populations served; Constitutional issues; and current and future issues.

Approval Number.....	43.0104.54	24
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		48

Learning Outcomes

Upon successful completion of this course, students will:

1. Describe the organization and operation of correctional systems and alternatives to institutionalization.
2. Describe treatment and rehabilitative programs.
3. Differentiate between the short-term incarceration and long-term institutional environments.
4. Evaluate current and future correctional issues.
5. Identify the Constitutional rights applicable to the correctional setting.

CRIJ 2328 Police Systems & Practices

This course examines the establishment, role and function of police in a democratic society. It will focus on types of police agencies and their organizational structure, police-community interaction, police ethics, and use of authority.

Approval Number.....	43.0104.57	24
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		48

Learning Outcomes

Upon successful completion of this course, students will:

1. Describe the types of police agencies and explain the role of police in America within the context of a democratic society.
2. Describe means and methods utilized to ensure police accountability.
3. Explain the historical development of policing.
4. Describe the selection process for police officers.
5. Compare and contrast organizational structures, policies, strategies and tactics employed to ensure police effectiveness, efficiency and equity.

DRAM (Drama/Theater)

DRAM 1310 Introduction to Theater

Survey of theater including its history, dramatic works, stage techniques, production

procedures, and relation to other art forms. Participation in productions may be required.

Approval Number.....	50.0501.51	26
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		96

Learning Outcomes

Upon successful completion of this course, students will:

1. Analyze theater through written responses to play texts and/or live performance.
2. Demonstrate a basic knowledge of theater history and dramatic works.
3. Describe the collaborative nature of theater arts.
4. Explain the relationship of theater to society as it relates to his/her perspective.

DRAM 1330 Stagecraft I

Study and application of the methods and components of theatrical production which may include one or more of the following: theater facility, scenery construction and painting, properties, lighting, costume, makeup, sound, and theatrical management.

Approval Number.....	50.0502.51	26
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		96

Learning Outcomes

Upon successful completion of this course, students will:

1. Apply a vocabulary and knowledge of the environment, tools, and skills required to mount theatrical production.
2. Demonstrate knowledge of the variety of work required to mount a theatrical production.

DRAM 2331 Stagecraft II

Continued study and application of the methods and components of theatrical production which may include one or more of the following: theater facility, scenery construction and painting, properties, lighting, costume, makeup, sound and theatrical management.

Approval Number.....	50.0502.51	26
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		96

Learning Outcomes

Upon successful completion of this course, students will:

1. Apply an expanded vocabulary and knowledge of the environment, tools, and skills required to mount theatrical production.
2. Demonstrate increased knowledge of the variety of work required to mount a theatrical production.

DRAM 1351 Acting I

An introduction to the fundamental principles and tools of acting as used in auditions, rehearsals, and performances. This may include ensemble performing, character and script analysis, and basic theater terminology. This exploration will emphasize the development of the actor’s instrument: voice, body and imagination.

Approval Number.....	50.0506.51	26
maximum SCH per student.....		3
maximum SCH per course		3
maximum contact hours per course		96

Learning Outcomes

Upon successful completion of this course, students will:

1. Analyze scripts from the viewpoint of the actor.
2. Analyze, develop, and perform a character.
3. Demonstrate effective and safe use of the voice and body.
4. Define and discuss terms and concepts using the vocabulary of theater.
5. Perform at an appropriately skilled level in ensemble building exercises, scenes and final projects, which may include participation in plays.

DRAM 1352 Acting II

Exploration and further training within the basic principles and tools of acting, including an emphasis on critical analysis of oneself and others. The tools include ensemble performing, character and script analysis, and basic theater terminology. This will continue the exploration of the development of the actor’s instrument: voice, body and imagination.

Approval Number.....	50.0506.51	26
maximum SCH per student.....		3
maximum SCH per course		3
maximum contact hours per course		96

Learning Outcomes

Upon successful completion of this course, students will:

1. Analyze scripts from the viewpoint of the actor.
2. Analyze, develop, and perform more complex characters.
3. Demonstrate effective and safe use of the voice and body.
4. Define and discuss terms and concepts using expanded vocabulary of theater.

5. Perform at an increasingly skilled level in ensemble building exercises, scenes and final projects, which may include participation in plays.
6. Analyze and critique personal and peer performances.

DRAM 2361 History of Theater I

Study of the history of the theater from primitive times through the Renaissance.

Approval Number.....	50.0505.51	26
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		48

Learning Outcomes

Upon successful completion of this course, students will:

1. Analyze the history of theater through written responses to historic texts and/or live performance.
2. Identify essential terminology related to the history of theater.
3. Discuss concepts relevant to the creation of theatrical works as applied to stylistic periods.
4. Evaluate the interaction between theater and society.

DRAM 2362 History of Theater II

Study of the history of the theater from the Renaissance through today.

Approval Number.....	50.0505.51	26
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		48

Learning Outcomes

Upon successful completion of this course, students will:

1. Analyze the history of theater through written responses to historic texts and/or live performance.
2. Identify essential terminology related to the history of theater.
3. Discuss concepts relevant to the creation of theatrical works as applied to stylistic periods.
4. Evaluate the interaction between theater and society.

DRAM 2366 Introduction to Cinema (title change)

Survey and analysis of cinema including history, film techniques, production procedures,

selected motion pictures, and cinema's impact on and reflection of society. (Cross- listed as COMM 2366)

Approval Number.....	50.0602.51	26
maximum SCH per student.....		3
maximum SCH per course.....		3
maximum contact hours per course.....		96

Learning Outcomes

Upon successful completion of this course, students will:

1. Analyze film through written response.
2. Demonstrate a basic knowledge of film history and dramatic works.
3. Describe the collaborative nature of cinema and the many jobs required to develop a motion picture.
4. Explain the relationship of cinema to society as it relates to his/her perspective.

- DRAM 1120 Theater Practicum I (1 SCH version)**
- DRAM 1220 Theater Practicum I (2 SCH version)**
- DRAM 1320 Theater Practicum I (3 SCH version)**

- DRAM 1121 Theater Practicum II (1 SCH version)**
- DRAM 1221 Theater Practicum II (2 SCH version)**
- DRAM 1321 Theater Practicum II (3 SCH version)**

- DRAM 2120 Theater Practicum III (1 SCH version)**
- DRAM 2220 Theater Practicum III (2 SCH version)**

- DRAM 2121 Theater Practicum IV (1 SCH version)**

- DRAM 1323 Basic Theater Practice (single-semester course)**

Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions.

Approval Number.....	50.0506.53	26
maximum SCH per student.....		9
maximum SCH per course.....		3
maximum contact hours per course.....		96

Learning Outcomes

Upon successful completion of this course, students will:

1. Use teamwork in the creation of theatrical productions.
2. Demonstrate the practical application of basic theatrical skills and procedures.
3. Apply critical thinking skills required for the creation of a theatrical production.

GEOL (Geology)

GEOL 1301 Earth Sciences for Non-Science Majors I (lecture)

Survey of geology, meteorology, oceanography, and astronomy.

Recommended Co-requisite: GEOL 1101 Earth Science for Non-Science Majors I (lab)

Approval Number.....	40.0601.51 03
maximum SCH per student.....	3
maximum SCH per course.....	3
maximum contact hours per course.....	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Explain the current theories concerning the origin of the Universe and of the Solar System.
2. Explain the place of Earth in the Solar System and its relationships with other objects in the Solar System.
3. Relate the origin and evolution of Earth's internal structures to its resulting geologic systems, including Earth materials and plate tectonic activities.
4. Explain the operation of Earth's geologic systems and the interactions among the atmosphere, the geosphere, and the hydrosphere, including meteorology and oceanography.
5. Explain the history of the Earth including the evolution of earth systems and life forms.
6. Describe the interaction of humans with Earth including development of resources and assessment and mitigation of hazards.

GEOL 1101 Earth Sciences for Non-Science Majors I (lab)

This laboratory-based course accompanies GEOL 1301, Earth Sciences I. Activities will cover methods used to collect and analyze data in geology, meteorology, oceanography, and astronomy.

Pre/Co-requisite: GEOL 1301 Earth Science for Non-Science Majors I

Approval Number.....	40.0601.51 03
maximum SCH per student.....	1
maximum SCH per course.....	1
maximum contact hours per course.....	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Classify rocks and minerals based on chemical composition, physical properties, and origin.
2. Apply knowledge of topographic maps, diagrams, and/or photographs to identify landforms and explain the processes that created them.
3. Differentiate the types of plate boundaries, explain the processes that occur at each and identify associated structural features on maps, block diagrams and cross sections.
4. Apply relative and numerical age-dating techniques to construct geologic histories.
5. Measure atmospheric processes that affect weather and climate.
6. Describe the composition and motion of ocean water and analyze the factors controlling both.
7. Compare properties and motions of objects in the solar system.
8. Demonstrate the collection, analysis, and reporting of data.

GEOL 1401 Earth Sciences for Non-Science Majors I (lecture and lab)

This lecture and lab course should combine all of the elements of GEOL 1301 Earth Sciences for Non-Science Majors I (lecture) and GEOL 1101 Earth Sciences for Non-Science Majors I (lab), including the learning outcomes listed for both courses.

Approval Number.....	40.0601.51 03
maximum SCH per student.....	4
maximum SCH per course.....	4
maximum contact hours per course.....	96

GEOL 1302 Earth Science for Non-Science Majors II

Extension of the study of geology, astronomy, meteorology and oceanography, focusing on natural resources, hazards and climate variability.

Prerequisites: GEOL 1301 or 1401 Earth Science I, or GEOL 1303 or 1403 Physical Geology
 Recommended Co-requisite: GEOL 1102 Earth Science for Non-Science Majors II (lab)

Approval Number.....	40.0601.51 03
maximum SCH per student.....	3
maximum SCH per course.....	3
maximum contact hours per course.....	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Identify the influence of geologic and hydrologic processes on Earth's surface.
2. Describe the causes and effects of tectonic, meteorological, oceanographic, and astronomical hazards.
3. Relate climate change to changes in tectonic configurations, astronomical relationships and atmospheric composition.

4. Discuss potential effects of climate variability on Earth systems, including biological systems.
5. Recognize how scientific models represent an abstraction of complex systems, such as ocean circulation and climate variability.
6. Describe natural resources used by humans and their occurrence and extraction.
7. Discuss the effects of renewable and nonrenewable resource development and sustainability.

GEOL 1102 Earth Science for Non-Science Majors II (lab)

This laboratory-based course accompanies GEOL 1302, Earth Sciences II. Activities will focus on methods used to collect and analyze data related to natural resources, hazards and climate variability.

Pre/Co-requisite: GEOL 1302 Earth Science for Non-Science Majors II (lecture)

Approval Number.....	40.0601.51 03
maximum SCH per student.....	1
maximum SCH per course.....	1
maximum contact hours per course.....	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Locate on maps and/or photographs localities susceptible to tectonic, meteorological, and oceanographic hazards.
2. Discuss methods of hazard prevention and mitigation such as early warning techniques, construction methods, and civil planning.
3. Describe contributing factors to past and current climate change.
4. Analyze effects of climate variability on geological and biological systems.
5. Analyze diverse sources of data that document climate variability such as ice cores, dendrochronology, fossils, and pollen.
6. Relate the distribution of fossil fuel, metal and nonmetal resources to geologic processes.
7. Describe the methods of extraction of natural resources and their effect on the environment.
8. Describe renewable resources and methods of sustainability.

GEOL 1402 Earth Sciences for Non-Science Majors II (lecture and lab)

This lecture and lab course should combine all of the elements of GEOL 1302 Earth Sciences for Non-Science Majors II (lecture) and GEOL 1102 Earth Sciences for Non-Science Majors II (lab), including the learning outcomes listed for both courses.

Approval Number.....	40.0601.51 03
maximum SCH per student.....	4

maximum SCH per course	4
maximum contact hours per course	96

GEOL 1303 Physical Geology (lecture)

Introduction to the study of the materials and processes that have modified and shaped the surface and interior of Earth over time. These processes are described by theories based on experimental data and geologic data gathered from field observations.

Recommended Co-requisite: GEOL 1103 Physical Geology (lab)

Approval Number.....	40.0601.54 03
maximum SCH per student.....	3
maximum SCH per course	3
maximum contact hours per course	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Describe how the scientific method has led to our current understanding of Earth's structure and processes.
2. Interpret the origin and distribution of minerals, rocks and geologic resources.
3. Describe the theory of plate tectonics and its relationship to the formation and distribution of Earth's crustal features.
4. Quantify the rates of physical and chemical processes acting on Earth and how these processes fit into the context of geologic time.
5. Communicate how surface processes are driven by interactions among Earth's systems (e.g., the geosphere, hydrosphere, biosphere, and atmosphere).
6. Identify and describe the internal structure and dynamics of Earth.
7. Describe the interaction of humans with Earth including sustainable development of natural resources and the assessment and mitigation of hazards.

GEOL 1103 Physical Geology (lab)

This laboratory-based course accompanies GEOL 1303, Physical Geology. Laboratory activities will cover methods used to collect and analyze earth science data.

Pre/Co-requisite: GEOL 1303 Physical Geology (lecture)

Approval Number.....	40.0601.54 03
maximum SCH per student.....	1
maximum SCH per course	1
maximum contact hours per course	64

Learning Outcomes

Upon successful completion of this course, students will:

1. Classify rocks and minerals based on chemical composition, physical properties, and origin.
2. Apply knowledge of topographic maps to quantify geometrical aspects of topography.
3. Identify landforms on maps, diagrams, and/or photographs and explain the processes that created them.
4. Differentiate the types of plate boundaries and their associated features on maps and profiles and explain the processes that occur at each type of boundary.
5. Identify basic structural features on maps, block diagrams and cross sections and infer how they were created.
6. Demonstrate the collection, analysis, and reporting of data.

GEOL 1403 Physical Geology (lecture and lab)

This lecture and lab course should combine all of the elements of GEOL 1303 Physical Geology (lecture) and GEOL 1103 Physical Geology (lab), including the learning outcomes listed for both courses.

Approval Number.....	40.0601.54 03
maximum SCH per student.....	4
maximum SCH per course.....	4
maximum contact hours per course.....	112

GEOL 1304 Historical Geology (lecture)

A comprehensive survey of the history of life and major events in the physical development of Earth as interpreted from rocks and fossils.

Prerequisites: GEOL 1303 or 1403 Physical Geology
Recommended Co-requisite: GEOL 1104 Physical Geology (lab)

Approval Number.....	40.0601.54 03
maximum SCH per student.....	3
maximum SCH per course.....	3
maximum contact hours per course.....	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Describe how the application of the scientific method has led to our current understanding of Earth history.
2. Explain the historical development of Geology as a science and how it was influenced by early interpretations of fossils and the theory of evolution.
3. Communicate how principles of relative and numerical age dating have been used to develop the Geologic Time Scale.

4. Describe the processes involved in the formation and differentiation of the Earth and identify major milestones in the physical evolution of the planet.
5. Identify the major milestones in the evolution of life from its initial inorganic stages, through development of the major animal and plant groups, to mass extinctions.
6. Explain how rocks and fossils are used to interpret ancient environments.
7. Identify the major tectonic events in the geologic evolution of North America.

GEOL 1104 Historical Geology (lab)

This laboratory-based course accompanies GEOL 1304, Historical Geology. Laboratory activities will introduce methods used by scientists to interpret the history of life and major events in the physical development of Earth from rocks and fossils.

Pre/Co-requisite: GEOL 1304 Historical Geology (lecture)

Approval Number.....	40.0601.54 03
maximum SCH per student.....	1
maximum SCH per course.....	1
maximum contact hours per course.....	64

Learning Outcomes

Upon successful completion of this course, students will:

1. Classify and interpret depositional environments using sedimentary rocks and fossils.
2. Taxonomically classify samples of geologically important fossil groups and use them to interpret the age of rocks on the Geologic Time Scale.
3. Apply relative and numerical age-dating techniques to construct geologic histories including the correlation of stratigraphic sections.
4. Reconstruct past continental configurations.
5. Integrate multiple types of data to interpret Earth history.

GEOL 1404 Historical Geology (lecture and lab)

This lecture and lab course should combine all of the elements of GEOL 1304 Historical Geology (lecture) and GEOL 1104 Historical Geology (lab), including the learning outcomes listed for both courses.

Approval Number.....	40.0601.54 03
maximum SCH per student.....	4
maximum SCH per course.....	4
maximum contact hours per course.....	112

GEOL 1305 Environmental Science (lecture) *(title change)*

A survey of the forces, including humans, that shape our physical and biologic environment, and how they affect life on Earth. Introduction to the science and policy of global and regional environmental issues, including pollution, climate change, and sustainability of land, water, and energy resources.

Recommended Co-requisite: GEOL 1105 Environmental Science (lab)

Approval Number.....	03.0103.53 01
maximum SCH per student.....	3
maximum SCH per course.....	3
maximum contact hours per course.....	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Recognize, describe, and quantitatively evaluate earth systems, including the land, water, sea, and atmosphere, and how these function as interconnected ecological systems.
2. Assess environmental challenges facing humans caused by their interaction with the physical and biological environment (e.g., population growth, energy and food production, pollution, water and resource use).
3. Acquire a scientific vocabulary and critical thinking skills related to environmental science.
4. Assess the effectiveness and feasibility of environmental policy and its impact.

GEOL 1105 Environmental Science (lab) (title change)

This laboratory based course accompanies GEOL 1305, Environmental Science (lecture). Activities will cover methods used to collect and analyze environmental data.

Pre/Co-requisite: GEOL 1305 Environmental Science (lecture)

Approval Number.....	03.0103.53 01
maximum SCH per student.....	1
maximum SCH per course.....	1
maximum contact hours per course.....	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Apply the scientific method to environmental investigation.
2. Measure and observe aspects of the environment (e.g., air, water, soil) through sampling and sample analysis.
3. Develop an assessment plan for an environmental case study.
4. Demonstrate the collection, analysis, and reporting of data.

GEOL 1405 Environmental Science (lecture and lab) (title change)

This lecture and lab course should combine all of the elements of GEOL 1305 Environmental Science (lecture) and GEOL 1105 Environmental Science (lab), including the learning outcomes listed for both courses.

Approval Number.....	03.0103.53 01
maximum SCH per student.....	4
maximum SCH per course.....	4
maximum contact hours per course.....	96

GEOL 2307 Introduction to Field Geology *(title change)*

Primarily a field-based experience in geology for visiting sites that serve as examples of a variety of geologic phenomena. Field trip locations will include sites that display the processes that shape the landscape, that result in the deposition or formation of rock units and mineral re-sources, and that deform the Earth's crust.

Prerequisite: GEOL 1301/1401 (Earth Science I) or GEOL 1303/1403 (Physical Geology)

Approval Number.....	40.0601.55 03
maximum SCH per student.....	3
maximum SCH per course.....	3
maximum contact hours per course.....	48

Learning Objectives

Upon successful completion of this course, students will:

1. Recognize and reconstruct natural processes from field observations.
2. Identify rocks, fossils, geologic structures, etc. in the field.
3. Demonstrate basic techniques that geologists use in their field-based research such as note taking and navigation.
4. Exhibit field safely.

HUMA (Humanities)

HUMA 1301 Introduction to Humanities I

This course is an interdisciplinary survey of cultures focusing on the philosophical and aesthetic factors in human values with an emphasis on the historical development of the individual and society and the need to create.

Approval Number.....	24.0103.51 12
maximum SCH per student.....	3
maximum SCH per course.....	3
maximum contact hours per course.....	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Demonstrate awareness of the scope and variety of works in the arts and humanities.
2. Articulate how these works express the values of the individual and society within an historical and social context.
3. Articulate an informed personal reaction and respond critically to works in the arts and humanities.
4. Demonstrate knowledge and understanding of the influence of literature, philosophy, and the arts on cultural experiences.
5. Demonstrate an awareness of the creative process and why humans create.

HUMA 1302 Introduction to Humanities II

This course is an interdisciplinary survey of cultures focusing on the philosophical and aesthetic factors in human values with an emphasis on the historical development of the individual and society and the need to create. HUMA 1302 further develops and explores the themes or chronological elements of HUMA 1301.

Approval Number	24.0103.51	12
maximum SCH per student		3
maximum SCH per course		3
maximum contact hours per course		48

Learning Outcomes

Upon successful completion of this course, students will:

1. Demonstrate awareness of the scope and variety of works in the arts and humanities.
2. Articulate how these works express the values of the individual and society within an historical and social context.
3. Articulate an informed personal reaction and respond critically to works in the arts and humanities.
4. Demonstrate knowledge and understanding of the influence of literature, philosophy, and the arts on cultural experiences.
5. Demonstrate an awareness of the creative process and why humans create.

HUMA 1305 Introduction to Mexican-American Studies

This interdisciplinary survey examines the different cultural, artistic, economic, historical, political, and social aspects of the Mexican-American/Chicano/a communities. It also covers issues such as dispossession, immigration, transnationalism, and other topics that have shaped the Mexican-American experience.

Approval Number	05.0203.51	25
maximum SCH per student		3
maximum SCH per course		3

maximum contact hours per course 48

Learning Outcomes

Upon successful completion of this course, students will:

1. Analyze the developmental history, culture, and struggles for equality of Mexican-Americans/Chicanos/as.
2. Articulate an informed personal response and critically analyze works by Mexican-Americans/Chicanos/as in the arts and humanities.
3. Describe the impact of discrimination on the everyday life of Mexican-Americans/Chicanos/as in the context of social, political, and economic circumstances.
4. Analyze minority group interactions in the United States focusing on immigration and migration patterns, assimilation processes, and adjustments to American life.
5. Formulate an understanding of the shifting definitions of Mexican-American cultural identities.

HUMA 1311 Mexican-American Fine Arts Appreciation

This course is an exploration of the purposes and processes in the visual and performing arts (such as music, painting, drama, and dance) and the ways in which they express the values of the Mexican-American/Chicano/a experience.

Approval Number50.0703.54 26
 maximum SCH per student 3
 maximum SCH per course 3
 maximum contact hours per course 48

Learning Outcomes

Upon successful completion of this course, students will:

1. Employ formal elements and principles to critically analyze various works of the visual and performing arts.
2. Articulate the creative process of artistic works as expressions of Mexican-American/Chicano/a experiences and cultural values.
3. Formulate an understanding of how Mexican-American/Chicano/a arts reflect shifting cultural identities.
4. Describe the relationship of Mexican-American/Chicano/a arts to everyday life.

HUMA 1315 Fine Arts Appreciation

This course is an exploration of the purposes and processes in the visual and performing arts (such as music, painting, architecture, drama, and dance) and the ways in which they express the values of cultures and human experience.

Approval Number..... 50.0101.51 26
 maximum SCH per student 3

maximum SCH per course	3
maximum contact hours per course	48

Learning Outcomes

Upon successful completion of this course, students will:

1. Employ formal elements and principles to critically analyze various works of the visual and performing arts.
2. Articulate the creative process of artistic works as expressions of human experience and cultural values.
3. Demonstrate an understanding of the aesthetic principles that guide the creation of, and response to, the arts.
4. Describe the relationship of the arts to everyday life.

HUMA 2319 American Minority Studies

This interdisciplinary survey examines the diverse cultural, artistic, economic, historical, political, and social aspects of American minority communities. Topics may include race/ethnicity, gender, socioeconomic class, sexual orientation, national origin, age, disability, and religion.

Approval Number.....	45.1101.53	25
maximum SCH per student.....		3
maximum SCH per course		3
maximum contact hours per course		48

Learning Outcomes

Upon successful completion of this course, students will:

1. Analyze the history, culture, and struggles for equality of American minority groups.
2. Articulate an informed personal response and critically analyze works by minorities in the arts and humanities.
3. Demonstrate awareness of multiple cultural perspectives representative of diverse minority groups.
4. Describe the impact of discrimination on the everyday life of minority groups in the context of social, political, and economic circumstances.
5. Analyze minority group interactions in the United States focusing on immigration and migration patterns, assimilation processes, and adjustments to American life.
6. Formulate an understanding of shifting societal perceptions and self-identifications of minority group cultural identities.

HUMA 2323 World Cultures (*Recommend removal of the cross-listing with ANTH 2346*)

This course is a general study of diverse world cultures. Topics include cultural practices, social structures, religions, arts, and languages.

Approval Number	45.0201.51	25
maximum SCH per student		3
maximum SCH per course		3
maximum contact hours per course		48

Learning Outcomes

Upon successful completion of this course, students will:

1. Demonstrate knowledge of common terms and concepts associated with the study of world cultures.
2. Articulate an informed personal response and critically analyze works in the arts and humanities from various world cultures.
3. Demonstrate awareness of multiple cultural perspectives by comparing and contrasting the cultural expressions of diverse world communities.
4. Analyze various cultures to navigate diverse cultural spaces and understand different world views.
5. Demonstrate an understanding of geography and the location of different cultural groups in the world.

MATH (Mathematics)

MATH 1324 Mathematics for Business & Social Sciences *(title change)*

The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value.

Prerequisite: Successful completion of high school Geometry and Algebra II, or equivalent.

Approval Number.....	27.0301.52	19
maximum SCH per student.....		3
maximum SCH per course		3
maximum contact hours per course		64

Learning Outcomes

Upon successful completion of this course, students will:

1. Apply elementary functions, including linear, quadratic, polynomial, rational, logarithmic, and exponential functions to solving real-world problems.
2. Solve mathematics of finance problems, including the computation of interest, annuities, and amortization of loans.
3. Apply basic matrix operations, including linear programming methods, to solve application problems.
4. Demonstrate fundamental probability techniques and application of those techniques, including expected value, to solve problems.

- Demonstrate the ability to combine matrix and probability concepts to model practical applications.

MATH 1325 Calculus for Business & Social Sciences *(title change)*

This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences. This course is not a substitute for MATH 2413, Calculus I.

Prerequisite: MATH 1324 – Mathematics for Business and Social Sciences, or equivalent.

Approval Number.....	27.0301.53	19
maximum SCH per student.....		3
maximum SCH per course		3
maximum contact hours per course		64

Learning Outcomes

Upon successful completion of this course, students will:

- Apply calculus to solve business, economics, and social sciences problems.
- Apply appropriate differentiation techniques to obtain derivatives of various functions, including logarithmic and exponential functions.
- Solve application problems involving implicit differentiation and related rates.
- Solve optimization problems with emphasis on business and social sciences applications.
- Determine appropriate technique(s) of integration.
- Integrate functions using the method of integration by parts or substitution, as appropriate.
- Solve business, economics, and social sciences applications problems using integration techniques.