[ SECTION 3 ]

[ ADDENDUM ]

Lecture/Lab Change
- DH 117

Course Description Changes
- EDUC 240
- HIST 101
- HIST 102
- MATH 061
- POLS 101

Prerequisite Changes
- BSMT 108
- BSMT 185
- CIS 185
- ENGL 110

New Courses
- AUTO 102
- AUTO 104
- AUTO 120
- DMS 127
- DMS 145
- DMS 155
- DMS 165
- FIRE 130
- FIRE 131
- FIRE 132
- FIRE 133
- FIRE 134
- FIRE 135
- FIRE 136
- FIRE 137
- FIRE 138
- FIRE 139
- FIRE 140
- FIRE 141
- FIRE 175
- GERM 101
- POLS 109
- STEM 110

Course Inactivations
- DMS 105
- DMS 115
- DMS 117
- DMS 125
- DMS 135
- HIT 110
- POLS 102

CORE 42 Course Additions
- CJ 102
- COMM 110
- SOC 101
- SOC 120
- ART 116
- ART 122
- ART 126
- THEA 110
- THEA 111
- THEA 131

No longer CORE 42 Courses
- COMM 103
- COMM 105
ART

ART 116 - Painting I
Entry-level art course for both art majors and anyone interested in beginning painting. Foundation course that concentrates on painting as an expressive medium and is designed to allow students to explore a variety of subject matter and experiment with painting techniques in a search for personal artistic identity.

Note: Missouri Higher Education Core Curriculum (CORE 42) Course Number: MOTR PERF 105P – Painting I

ART 122 - Sculpture I
Develops insight into the principles of sculptural organization and stresses individual development of three-dimensional forms.

Note: Missouri Higher Education Core Curriculum (CORE 42) Course Number: MOTR PERF 105S – Sculpture I

ART 126 - Ceramics I
Introduces clay construction techniques, basic ways of glazing and firing systems. Emphasis is placed on students acquiring technical proficiency in a variety of constructive methods and glazing techniques.

Note: Missouri Higher Education Core Curriculum (CORE 42) Course Number: MOTR PERF 105C – Ceramics I

AUTOMOTIVE

AUTO 102 - Introduction to Automotive Industry
Students will learn the application of math in automotive, i.e: equations for Ohm’s Law, bore, stroke and other component measurements, and in specification/out of specification measurements. The application of science in automotive with emphasis in safety of chemical handling, physics associated with inertia, force, and friction; the effect of displacement to power and electro-mechanical hydraulics. Students will also learn proper tool nomenclature, identification and usage. (1.5 lecture, 1.5 lab)

AUTO 104 - Introduction to Automotive Technology
Many fundamental principles necessary for laying a foundation in the automotive program are covered, including shop safety; hazardous materials and environmental issues; hand tools; measuring tools; hardware and math related to the automotive industry; career and industry specific information; and an overview of many of the automotive systems. Real-world fixes and tech tips are included throughout to help illustrate how real problems are solved. Each new topic covers the preventive maintenance requirements for various components and automotive systems, including the purpose, function and operation, as well as how to service each system. (1 lecture, 3 lab)

AUTO 120 - Advanced Electrical Systems Diagnosis
Prerequisites: AUTO 104, AUTO 116 and AUTO 118 with grades of C or higher. This course is lab only to allow students to diagnosis faults previously set in training vehicles and faults in real world customer vehicles using technological advanced industry standard diagnostic equipment and service information. (4 lab)

BUSINESS MANAGEMENT

BSMT 108 - Principles of Management
3
Prerequisite: Equivalent reading placement score into ENGL 070. Introduction to role of management and supervision. Examines the concepts and the practical application of fundamental supervisory skills such as planning, problem solving, motivation, staffing, leadership, training, managing conflict, and providing effective performance reviews.

BSMT 185 - Project Management
3
Prerequisite: Equivalent reading placement score into ENGL 070. Course will help students understand why organizations have developed a formal project management process to gain a competitive advantage. It covers concepts and skills that are used by managers to propose, plan, secure resources, budget, and lead project teams to successful completion of their projects. The text is structured to meet the needs of those wishing to prepare for the PMP or CAPM certification exams. Same as CIS 185.

COMMUNICATION

COMM 110 - Introduction to Mass Communication
Presents a basic overview of the scope and role of the mass media in society. Course integrates media aids with creative assignments and field trips to help students become informed media consumers and gain cultural and global perspectives on the communication industry.

Note: Missouri Higher Education Core Curriculum (CORE 42) Course Number: MOTR SBSC 100 - Introduction to Mass Communications

COMPUTER INFORMATION SYSTEMS

CIS 185 - Project Management
3
Prerequisite: Equivalent reading placement score into ENGL 070. Course will help students understand why organizations have developed a formal project management process to gain a competitive advantage. It covers concepts and skills that are used by managers to propose, plan, secure resources, budget, and lead project teams to successful completion of their projects. The text is structured to meet the needs of those wishing to prepare for the PMP or CAPM certification exams. Same as BSMT 185.
COURSE DESCRIPTIONS

CRIMINAL JUSTICE

CJ 102 - Introduction to Criminal Justice
Examines the history, development and function of the criminal justice system in America. Will examine the three major components of the system: police, courts and corrections, as well as their interrelationships.

Note: Missouri Higher Education Core Curriculum (CORE 42) Course Number: MOTR CRJS 101 - Introduction to Criminal Justice

DENTAL HYGIENE

DH 117 - Community Dental Health II
Emphasis on the steps to developing community dental health programs, including health promotion programs. Local, state and federal departments of public health services, types of fluoridation and school-based dental health programs and screenings will be presented. Evidence-based decision-making will be applied to the dental public health setting. (0 lecture, 5 lab)

DIAGNOSTIC MEDICAL SONOGRAPHY

DMS 127 - Ultrasound Lab II
Prerequisite: DMS 107 with a grade of B or higher or permission of program director. Instructional lab consisting of hands-on scanning sessions in the Diagnostic Medical Sonography lab. Practical basic preparation for student's clinical education experience. Students admitted as non-local will complete these credit hours in a clinical setting. All students will complete assignments and tests as assigned by the lab instructor.

DMS 145 - Sonography Clinical I
Prerequisite: DMS 127 with a grade of B or higher or permission of program director. Beginning internship of the Diagnostic Medical Sonography profession. Students will be assigned to a clinical site(s) and will actively participate in the daily activities and patient examinations of an ultrasound department under the supervision of a registered sonographer. Students must properly document hours spent in the clinical site and log all observed and performed exams. All assigned hours must be completed by the end of the semester.

DMS 155 - Sonography Clinical II
Prerequisite: DMS 145 with a grade of B or higher or permission of program director. Internship of the Diagnostic Medical Sonography profession. Students will be assigned to a clinical site(s) and will actively participate in the daily activities and patient examinations of an ultrasound department under the supervision of a registered sonographer. Students will obtain scan competencies in this course. They must properly document hours spent in the clinical site and log all observed and performed exams. Students must complete clinical hours and scanning competencies as outlined in the DMS Student Handbook. All assigned hours must be completed by the end of the semester.

DMS 165 - Sonography Clinical III
Prerequisite: DMS 155 with a grade of B or higher or permission of program director. Final internship of the Diagnostic Medical Sonography profession. Students will be assigned to a clinical site(s) and will actively participate in the daily activities and patient examinations of an ultrasound department under the supervision of a registered sonographer. Students will obtain scan competencies in this course. They must properly document hours spent in the clinical site and log all observed and performed exams. Students must complete clinical hours and scanning competencies as outlined in the DMS Student Handbook. All assigned hours must be completed by the end of the semester.

EDUCATION

EDUC 240 - Multicultural Education
Prerequisite: ENGL 101 with a grade of C or higher. Course is designed to examine the multicultural context of education and prepare students to understand and teach learners from diverse backgrounds, with diverse characteristics, and with differing social identities. The course will address issues of educational equity, sociocultural influences on teaching and learning, and how teachers and schools can contribute to interpersonal and intercultural understanding and respect, social justice, and democratic citizenship.

ENGLISH

ENGL 110 - Business Communications
Prerequisites: ENGL 060 with a grade of C or higher or equivalent placement scores. In-depth study of effective communication techniques and demeanor as applied in business situations. Topics may include the communication process, various business letters, oral presentations, and international communication.

FIRE SCIENCE

FIRE 130 - Firefighter I
Course places emphasis on those skills and related information necessary to develop a recruit firefighter into a usable member of the firefighting team. Recruit firefighters will gain essential knowledge through both lecture and practical skill development. Topics include: fire behavior, building construction, firefighter safety, rescue, extrication, fire control, hazardous materials, and EMS. Successful completion of this course and FIRE 131 will prepare recruit firefighters for the Missouri Fire Fighter certification exam.
FIRE 131 - Firefighter II
Course places emphasis on those skills and related information necessary to develop a recruit firefighter into a usable member of the firefighting team. Recruit firefighters will gain essential knowledge through both lecture and practical skill development. Topics include: fire behavior, building construction, firefighter safety, rescue, extrication, fire control, hazardous materials, and EMS. Successful completion of FIRE 130 and this course will prepare recruit firefighters for the Missouri Fire Fighter certification exam.

FIRE 132 - Introduction to Emergency Services
Course provides an overview of fire protection, career opportunities in fire protection and related fields, philosophy and history of fire protection/service, fire loss analysis, organization and function of public and private fire protection services, fire departments as part of local government, laws and regulations affecting the fire service, fire service nomenclature, specific fire protection functions, basic fire chemistry and physics, introduction to fire protection systems, introduction to fire strategy and tactics.

FIRE 133 - Fire Behavior and Combustion
Categorizes the components of fire and explains the physical and chemical properties of fire. Provides an understanding of basic fire chemistry, the fire combustion process, general fire behavior, the development of a compartment fire, and how fire behavior impacts the safety of firefighters.

FIRE 134 - Fire Prevention
Course provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationships of fire prevention with built-in fire protection systems, fire investigation, and fire and life-safety education.

FIRE 135 - Fire Safety and Survival
Course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavioral change throughout the emergency services.

FIRE 136 - Building Construction for Fire
Course provides the components of building construction that relate to fire and life safety. The focus of this course is on firefighter safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies.

FIRE 137 - Fire Protection Systems
Course provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers.

FIRE 138 - Fire Investigations
Course is intended to provide the student with the fundamentals and technical knowledge needed for proper fire scene analysis and interpretations, including recognizing and conducting origin and cause, preservation of evidence, evidence collection, scene documentation, scene security, motives of the fire setter, and types of fire causes.

FIRE 139 - Tactics and Strategies
Course provides an in-depth analysis of the principles of fire control through utilization of personnel, equipment, and extinguishing agents on the fire ground. The course will cover aspects of incident command, company operations, special situations and occupancies, and post incident activities.

FIRE 140 - Hydraulics and Water
Course provides a foundation of theoretical knowledge in order to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and to solve water supply problems.

FIRE 141 - Fire Leadership
Course introduces the student to the organization and management of a fire department and the relationship of government agencies to the fire service. Emphasis will be placed on fire service leadership from the perspective of various positions.

FIRE 175 - Fire Internship
Provides students with the opportunity to observe and experience the operation of a selected agency within the criminal justice system. Program will require the student to spend a minimum of 120 hours with the agency during the semester as well as the completion of other requirements.

GERMAN

GERM 101 - Elementary German I
Begins the four basic skills of language communication: listening, speaking, reading, and writing. Includes an introduction to the German culture. Concentrates on the present indicative tense with the course conducted primarily in German.

HISTORY

HIST 101 - US History Before 1877
Prerequisite: ENGL 070 with a grade of C or higher or equivalent placement scores. Survey of the political, economic and social development of the United States from its European origins through the reconstruction process. A study of the Missouri Constitution is included to meet the state’s requirements in Senate Bill No. 4. Students will also pass the Missouri Higher Education Civics Exam with a 70 percent or higher in compliance with Senate Bill No. 807.

Note: Missouri Higher Education Core Curriculum (CORE 42) Course Number: MOTR HIST 101 - American History I
HIST 102 - US History Since 1877
Prerequisite: ENGL 070 with a grade of C or higher or equivalent placement scores. Survey of the political, economic, social, and military development of the United States from 1877 to the present. A study of the Missouri Constitution is included to meet the state’s requirements in Senate Bill No. 4. Students will also pass the Missouri Higher Education Civic Exam with a 70 percent or higher in compliance with Senate Bill No. 807.

MATH 061 - Pre-Algebra
MATH 061 is a 3-credit hour course designed to review basic math skills in preparation for one of the following courses: MATH 101, MATH 107, MATH 110, or the Co-Requisite course combination of MATH 111/113, MATH 111/117, MATH 111/119. This course does not apply toward a degree or certificate. Students must earn a C or higher in the course (70% +) to advance to the next math class. This includes both earning at least 70% overall average and at least a 70% on the comprehensive departmental final exam. This is a developmental course designed to help students prepare for college level mathematics. The course covers arithmetic operations for rational numbers (integers & fractions), and applying: ratios/rates, proportions, percentages, and perimeter/area. In addition, students will simplify numeric and algebraic expressions, solve algebraic equations, graph linear equations, write numbers in scientific notation, and perform measurement conversions.

POLITICAL SCIENCE

POLS 101 - American/National Government
Prerequisite: ENGL 070 with a grade of C or higher or equivalent placement scores. Survey course of the government of the United States and its political values, processes and structures. Attention is given to the government's origins, politics, branches of government, rights and responsibility of the residents of the U.S. and Missouri. A study of federalism and the Missouri Constitution is included to meet the state’s requirements in Senate Bill No. 807.

SOCIOLOGY

SOC 101 - Social Problems
Prerequisite: ENGL 070 with a grade of C or higher or equivalent placement scores. Examines objective social conditions that have been defined as social problems. Focuses on gaining factual and theoretical knowledge to build better explanations for the existence and persistence of social problems in light of social controls and democratic values. Explores options for solutions to specific social problems. Topics include racial inequality, gender stratification, poverty, mass media, and education among others.

SOC 120 - American Diversity
Prerequisite: ENGL 070 with a grade of C or higher or equivalent placement scores. Overview of global and American diversity resulting from cultural interactions, especially in the areas of art, government, economics, and religion, as well as a historical perspective. Students will gain a greater understanding of diversity from an individual and community perspective.

STEAM

STEM 110 - STEAM Explorations
Prerequisites: ENGL 060 and MATH 061 with grades of C or higher or equivalent placement scores. In this course, science, technology, engineering, arts, and math will be taught in an interdisciplinary and applied approach. The course will bridge STEAM content and utilize humanities skills such as critical analysis and communication. This course will lead to an in-depth understanding of STEAM current events and careers in the STEAM industry. The course will culminate with a STEAM project and exploratory learning through place-based education.

THEATRE

THEA 110 - Stagecraft and Lighting
Basics of set construction, painting, scene design, lighting design, and wood shop safety. Students will be required to spend 30 clock hours outside classroom time with direct involvement in operation of specialized theatre equipment. Required course for speech and theatre majors and minors.

Note: Missouri Higher Education Core Curriculum (CORE 42) Course Number: MOTR PERF104S - Stagecraft
THEA 111 - Acting I
Intensive study of the techniques of acting with concentration on bodily movement, balance, diction, voice, and characterization.

**Note:** Missouri Higher Education Core Curriculum (CORE 42) Course Number: MOTR PERF 100 - Acting I

THEA 131 - Script Analysis
The purpose of script analysis is to examine various methods of analyzing play scripts for performance. Specific emphasis will be placed on the working environment of the actor, director and designer in examining how a script is produced for a public performance. The course is designed to help students develop tools for use in their profession, not to survey the history of dramatic literature.

**Note:** Missouri Higher Education Core Curriculum (CORE 42) Course Number: MOTR PERF 103SA - Script Analysis