

2016-2017 EGSC Catalog Addendum

Adopted by President's Cabinet 12/20/16

Course Description Updates Effective Fall 2016:

CRJU 2000 Introduction to Social Science Research Methods

3-0-3 *Prerequisite: SOCI 1101; May be taken concurrently with SOCI 1160 and/or MATH 1121.*

Introduction to Social Science Research Methods provides the student with a comprehensive treatment of research methods commonly used in the social sciences to analyze social phenomena in a rigorous and scientific manner. Topics include critical evaluation of research, ethics in research, issues of accuracy such as objectivity, validity, and reliability, the research process, inductive and deductive approaches, quantitative and qualitative studies, surveys, experimental studies, and use of existing database resources. Students will learn the necessary practical skills required for the practice and application of research and the skills required for both written and oral dissemination of research results.

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Course Updates Effective Spring 2017:

BIOL 2511 Anatomy and Physiology I

3-2-4 *Prerequisite: C or higher in BIOL 1107 for Biology Majors; C or Higher in BIOL 1103/1107 for all other majors.*

Covers the chemical basis of life, cells, metabolism, tissues, the integumentary system, skeletal system, and muscular system.

BIOL 2611 Microbiology

3-2-4 *Prerequisite: C or higher in BIOL 1107 for Biology Majors; C or higher in BIOL 1103/1107 for all other majors.*

Detailed study of microorganisms both procaryotic and eucaryotic including the foundation of microbiology, bacteria, bacterial diseases, viruses, fungi, protozoa, and control of microorganisms.

BIOL 3200 Genetics

3-3-4 *Prerequisite: C or higher in BIOL 3400 and CHEM 1211*

A study of inheritance from Mendel's classic studies to modern molecular genetics. Upon completion of this course, students will: (1) describe a gene and explain genotype and phenotype;(2)demonstrate knowledge of the process of gene expression and regulation; (3)describe basic inheritance patterns and the chromosomal basis of heredity; (4) define the structure of an organism's DNA genome; (5) explain mutation as a source of genetic variability; (6) describe a historical perspective of genetics, identifying breakthroughs in discovery; (7) develop skills in analysis, problem-solving, communication and ethical perspectives as they apply to genetics.

PHED 2011 Foundations of Health & Physical Education

3-0-3 Studies the historical and philosophical foundations of health, physical education and recreation. Emphasis will be placed on the individual's area of concentration. This will include professional characteristics, qualifications, abilities and future employment. A practicum is required for this class. Membership in the Student Professional Association of Georgia Educators (SPAGE) is recommended.

New Courses Effective Spring 2017:

BIOL 4550

3-0-3

Professional Skills for Biologist

Prerequisite: C or higher in BIOL 4500 or BIOL 4800

The course is designed to provide students with the necessary professional skills to pursue a career in the biological fields. These skills include the analysis of biological data, written (scientific paper), visual (poster) and oral (talk) presentations of scientific data, ethics and job application. Students will use the data that they collected during the BIOL 4500 or BIOL 4800.

COSP 2102

1-0-1

Correll Scholars Program Practicum

Prerequisite: COSP 2101

This final course in the Correll Scholars Programs provides the student with the opportunity to observe the practice of service learning, academic research and professional development by providing a structured and extended on-campus experience related to a student's career interests. During the course, students are expected to integrate classroom knowledge with work experience, develop practical career-related skills and training, explore a career before graduation, and obtain work experience and professional attributes for future employment. To complete this course, students must work a total of 50 hours with an EGSC faculty member and complete three learning modules on D2L and a final research summary paper. Practicum assignments are subject to the approval of the Director of the Correll Scholars Program.

FESA 3111

3-0-3

Fire-Related Human Behavior

This course presents a study of human behavior in fire and other emergency situations. Students will examine current and past research on human behavior, systems models, life safety education and building design to determine interactions of these areas in emergency situations. Students will develop an understanding of a best-practice building life safety system as one that combines knowledge in the areas of the best possible outcomes in terms of human survivability in an emergency.