

Graduate Council Report
January 7th, 2016

New Course Request:

AERO 645. Failure Mechanics of Engineering Materials. (3-0). Credit 3. Introduction and integration of key experimental, theoretical and computational aspects of failure in engineering materials including metals and alloys and polymers; brittle fracture, ductile fracture and brittle-to-ductile transitions. Prerequisite(s): Graduate classification; MSEN 601.

AGEC 616. Climate Change Considered. (1-1). Credit 1. Global climate change, including the physical sciences, impacts, adaptation, vulnerability, mitigation options, and understanding and addressing the challenges of climate change communication.

BUSH 602. Writing for the Medal of Excellence. (1-0). Credit 1. Preparation of the ePortfolio, requirement for the Medal of Excellence; guided reflection on learning across interdisciplinary experiences such as participation in the Leadership Program, capstone courses, internships and other high-impact experiences and on writing clear, coherent, well-developed reflective essays. Prerequisite(s): Admission into Bush Schools' Master of International Affairs, or Master of Public Service and Administration.

EEBL 630. Big Bend National Park Natural History Survey. Advanced course taught in Big Bend National Park emphasizing biological, ecological, and natural history features of the Trans-Pecos ecoregion; detailed notes on the biology and geology of Big Bend based upon daily field trips will be recorded. Prerequisite(s): Graduate classification; Instructor's approval

EHRD 619. Conflict Management and Dialogue. (3-0). Credit 3. Understand and practice of conflict management and dialogue, identify and learn importance of effective conflict management in workplace; develop skills to effectively engage in meaningful and conflict using effective modalities; enhance negotiating preferences and its impact on self, workplace, and careers. Prerequisite(s): Graduate classification.

MSEN 645. Failure Mechanics of Engineering Materials. (3-0). Credit 3. Introduction and integration of key experimental, theoretical and computational aspects of failure in engineering materials including metals and alloys and polymers; brittle fracture, ductile fracture and brittle-to-ductile transitions. Prerequisite(s): Graduate classification; MSEN 601.

NUTR 679. Lipoproteins in Health and Disease. (3-0). Credit 3. Understanding of lipoprotein biology as it relates to nutrient delivery and disease development; Emphasis is placed on understanding how structure influences the function of different lipoprotein particles in human and avian systems; opportunity to study individual lipoprotein profiles or those of animals by modern imaging techniques; background in basic lipid biochemistry helpful.

POSC 679. Lipoproteins in Health and Disease. (3-0). Credit 3. Understanding of lipoprotein biology as it relates to nutrient delivery and disease development; Emphasis is placed on understanding how structure influences the function of different lipoprotein particles in human and avian systems; opportunity to study individual lipoprotein profiles or those of animals by modern imaging techniques; background in basic lipid biochemistry helpful.

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Course Change Requests:

**EDTC 642: Designing for Mobile Learning
CREDIT HOUR**

From: (3-3). Credit 4.

To: (3-3). Credit 3.

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Curriculum Change Requests:

College of Geosciences

Department of Geology and Geophysics

BA in Geology and MS in Oceanography

Catalog program requirements adjustments

College of Geosciences

Department of Geology and Geophysics

BS in Geology and MS in Oceanography

Catalog program requirements adjustments

College of Geosciences

Department of Geology and Geophysics

BS in Meteorology and MS in Oceanography

Catalog program requirements adjustments

College of Geosciences

Department of Oceanography

BS in Environmental Geosciences and MS in Oceanography

Catalog program requirements adjustments