I. Requests for new graduate courses as follows:

A614  AERO 616  Damage and Failure in Composite Materials (3-0) Credit 3. Cross listed as MEMA 616. This course treats mechanisms and models related to damage and failure in composite materials subjected to mechanical loads. Prerequisite(s): Composite materials, elasticity.

A618  ANSC 629  Applied Animal Genomics (3-0) Credit 3. Theory and application of genomics by livestock industries; consideration of genetic markers, gene mapping methods, genome analysis and emerging technologies such as microarrays, transgenesis, cloning and marker assisted selection; exposure to bioinformatic tools for genomics. Prerequisite(s): GENE 603.

A620  FINC 663  Trading and Markets (3-0) Credit 3. This course is about the main issues relating to securities trading and securities markets. We will discuss why and how people trade, and the operation, structure, and regulation of securities markets. While the course will focus mainly on equity markets, we will make comparisons to the markets for derivatives and other securities. Prerequisite(s): FINC 612 or FINC 635 or equivalent.

A621  FINC 664  Portfolio Management (3-0) Credit 3. This course gives an overview of the investment industry and the portfolio management process. Topics include portfolio structuring, stock vs. sector selection, performance measurement and attribution analysis, investment products and distribution channels, legal and governance issues, operations, product development and marketing. Prerequisite(s): FINC 629.

A623  FINC 670 Real Property Analysis (3-0) Credit 3. This course provides students with the economic and financial tools used to analyze real estate investments, new property developments and the redevelopment of existing properties. Prerequisite(s): Graduate standing.

A622  FINC 674 Real Property Valuation II (3-0) Credit 3. This course provides an opportunity to develop advanced competencies in the analysis and valuation of more complex assignments and properties. It will draw upon previous coursework in the land economics and real estate program including real property valuations, market analysis, real estate investment analysis and real property finance. Prerequisite(s): enrolled in MLERE Program.

A615  INEN 645 Lean Thinking and Lean Manufacturing (3-0) Credit 3. Introduces the principles of lean thinking in modern manufacturing systems; philosophical, managerial and organizational requirements studied; lean manufacturing quantitative modeling methodologies introduced along with case study analysis. Prerequisite(s): Approval of instructor and graduate classification.
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A619 MARS 638 Avian Diversity and Habitats as Coastal Resources (2-3) Credit 3. The lecture and readings will emphasize field identification, habitat requirements for native and migrant species and birds as bioindicators of habitat health and environmental stress. We will apply the study of bird diversity to environmental monitoring of coastal ecosystems and migrant stopover habitats. Labs will be conducted primarily in the field. Prerequisite(s): BIOL 112, MARB 315 or WFSC 302 or ZOOL 318 or approval of instructor, and graduate status.

A612 MARS 655 Wetlands Management (3-3) Credit 4. This course surveys the interrelationship of chemistry, physics, geology and biology of coastal wetland systems and explores and defines the context of wetlands sustainability and management. Field exercises are an integral component providing students “hands on” experiences. Guest lectures, seminars and field trips lead by agency personnel who are experts in these fields of research are included. Prerequisite(s): background in chemistry, physics, geology, biology.

A624 MEEN 653 Scientific Writing (1-1) Credit 2. This course will introduce graduate students to an essential form of scientific communication, which is vital to their success as researchers: the preparation of a manuscript for publication in an archival scientific or engineering journal. The students will learn about the origins of scientific writing, literature review, how to prepare a comprehensive manuscript and how to submit a journal. Prerequisite(s): Graduate standing, consent of instructor.

A616 MEMA 616 Damage and Failure in Composite Materials (3-0) Credit 3. Cross listed as AERO 616. The course treats mechanisms and models related to damage and failure in composite materials subjected to mechanical loads. Prerequisite(s): Composite materials, elasticity.
II. Approved requests for graduate course changes as follows:

Course Contact Hour Change:

C606 MARS 675 Environmental Management Strategies for Scientists
from: (3-0). Credit 3.
to: (2-0). Credit 2.

C607 MARS 625 GIS Use in Coastal Resources
from: (2-3). Credit 3.
to: (1-3). Credit 2.

Course Title and Description Change:

C611 EHRD 631 Foundation for Work and Living
from: EHRD 631 Foundation for Work and Living
Foun for Work & Living

to: EHRD 631 Foundations of Adult Education
Foundtns of Adult Educ

from: Foundations for Work and Living. Fundamental concepts and definitions relating to work and living; major historical development and philosophical roots to educational human resource development; diverse institutional commitments and responses to adult learner needs; administrative programming and instructional practices in the field; emerging issues in educational human resource development.
to: Foundations of Adult Education. Fundamental concepts and definitions relating to work and living; major historical development and philosophical roots of adult education; diverse institutional commitments and responses to adult learner needs; administrative programming and instructional practices in the field; emerging issues in adult education.

C609 INFO 633 Advanced Software Development Environment
from: INFO 633 – Advanced Software Development Environment
Advanced Software Develop

to: INFO 633 – Business Objects Analysis and Design
Business Obj Anly & Desg

from: Advanced Software Development Environment. Design and development of business information systems in a modern software development environment; integration of database, systems analysis and design, programming and project management concepts; project-orientation with heavy emphasis on teamwork and individual initiative. Classification 6 students may not enroll in this course.
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to: Business Objects Analysis and Design. Analysis and design of business information systems using object-oriented development tools; fundamentals of object-oriented analysis and design; Unified Modeling Language, principles of N-tier architectures, and object-oriented development methodologies.

Course Title, Prerequisite, and Description Change:

C610 INFO 632 Business Computing Systems

from: INFO 632 – Business Computing Systems
       Business Computing Sysste

to: INFO 632 – Business Operating Systems
       Business Operating Sysste

from: Business Computing Systems. Theory and practice of the design and application of business systems in a mini or micro hardware environment. Classification 6 students may not enroll in this course.


from: Knowledge of one programming language or approval of instructor.

to: Knowledge of a procedural programming language or permission of the instructor.

Description Change:

C608 CVEN 632 Transportation System Engineering Management

from: Transportation System Engineering Management Engineering and management principles for the surface transportation system; systems engineering evaluation using methods of travel demand, costs, equilibrium and pricing; use of information technologies for system engineering and management.

to: Transportation Engineering Economics and Management – Engineering and management principles for transportation systems; engineering evaluation using methods of travel demand, costs, equilibrium and pricing; use of economic principles for the engineering and management of transportation systems.

Course Title

from: FINC 673 Real Prop Valuation

to: FINC 673 Real Prop Valuation I