

**Graduate Council Report
August 1, 2013**

New Course Requests

AERO 661. Optical Methods in Aerospace Engineering. (3-0). Credit 3. Analysis and design of imaging and interferometric instruments for flight in and above the atmosphere and ground-based observation of orbiting objects; assessment of optical component and system performance. Prerequisite(s): Graduate Classification.

ECEN 715. Physical and Economical Operations of Sustainable Energy Systems. (3-0). Credit 3. Operational issues for sustainable electric energy systems. Basic relevant topics in engineering, optimization and economic concepts. Modular view of individual electric energy processing components. Physical and market operations in electric energy processing components. Physical and market operations in electricity industry in support of sustainable energy integration. Computer simulations and demonstrations to create and evaluate examples of power systems. Stacked with ECEN 415. Prerequisite(s): ECEN 214, 420, 460 or instructor approval.

VTPP 651. Epigenetics & Systems Physiology. (3-0). Credit 3. Journal club format focusing on epigenetic regulation of physiological systems; assignment of papers from primary literature and weekly oral presentation detailing opinions on research; emphasis on fundamental concepts in epigenetics, physiology and the molecular techniques employed to address research hypotheses, discussions of scientific ethics and fraud.

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Course Change Requests

ARCH 657: Advanced Professional Practice and Ethics

PREREQUISITE(S):

FROM: ARCH 457 and graduate classification.

TO: Graduate classification or approval of instructor.

MGMT 613: Managerial Macroeconomics

CREDIT HOURS:

FROM: Lecture: 3; Lab: 0; SCH: 3

TO: Credit 1 to 3