

## **Graduate Council Report**

**May 3, 2012**

### **Email Vote**

#### **New Course Requests**

CSCE 630. Speech Processing. (3-0). Credit 3. Speech production and perception (speech apparatus, articulatory/auditory phonetics); mathematical foundations (sampling, filtering, probability, pattern recognition); speech analysis and coding (short-time Fourier analysis, linear prediction, cepstrum); speech recognition (dynamic time warping, hidden Markov models, language models); speech synthesis (front-end, back-end); speech modification (overlap-add, enhancement, voice conversion). Prerequisite(s): ECEN 314 or equivalent or approval of instructor. Basic knowledge of signals and systems, linear algebra, probability and statistics. Programming experience in a high-level language is required.

EDAD 628. Advanced Legal Issues in Higher Education. (3-0). Credit 3. Legal issues associated with student affairs and higher education administration; understand establishment and maintenance of relationship with university attorneys and office of general counsel. Prerequisite(s): EDAD 610 or equivalent, Graduate Classification.

GENE 677. Genes and Diseases. (3-0). Credit 3. Molecular and genetic basis for human disease; structure, function and evolution of chromosomes; epigenetics; gene mapping; complex genetic traits; cancer genetics; neurodegenerative disorders; animal models (yeast, mouse, worms, fruitflies); ethics. Prerequisite(s): GENE 603, GENE 631, or MSCI 601 or approval of instructor. Cross-listed with: MCMD 677.

MARB 605. Air Breathing Marine Vertebrate Research Techniques. (3-0). Credit 3. Introductory and advanced descriptions and hands-on learning of photo-identification, theodolite, radio, satellite, and video-enhanced tracking, underwater remote sensing, acoustics, and other cutting edge research techniques. Prerequisite(s): Graduate standing or permission from instructor.

MARB 615. Coastal Marine Biology and Geology of Alaska. (3-0). Credit 3. The course gives students an opportunity to learn about the coastal marine biology and geology of south-central Alaska and to participate in a behavioral ecological study of sea otters for 12 days at a remote field station in north-eastern Prince William Sound. Prerequisite(s): Graduate standing and permission from instructor.

VIBS 688. Epidemiological Modeling of Infectious Diseases. (2-2). Credit 3. Concepts of mathematical modeling of infectious diseases; steps and methods for the development and analysis of models. Prerequisite(s): Graduate classification.

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**Course Change Requests**

**EPSY 631: Program Evaluation in School and Clinic**

**Prerequisite(s):**

**FROM:** Approval of Instructor and department head

**TO:** EPSY 635 or equivalent and approval of instructor

**Title:**

**FROM:** Program Evaluation in School and Clinic

**TO:** Program Evaluation

**EPSY 647: Adult Development and Aging**

**Title:**

**FROM:** Adult Development and Aging

**TO:** Lifespan Development

**Course Description:**

**FROM:** Issues and models of studying adult development and aging; research and theory of adult development; and the effect our aging population has on society.

**TO:** Issues and models of studying lifespan development; research and theory of lifespan development; research and theory of lifespan development; comprehensive and current foundation of lifespan development.

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**Special Consideration Item:**

Graduate Council approved the Mays Business School: Proposed Certificate in Advertising.