

# UCF Graduate Council

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## CURRICULUM COMMITTEE MINUTES

### Minutes of October 19, 2005 meeting

**Members Present** Aubrey Jewett, Walter Milon, Charles Reilly, Lea Witte, Patricia Bishop, Jim Moharam

**Recorder** Rhonda Nelson

**Guests Present** Max Poole, Michael Georgiopoulos, Juli Dixon

**Files** [2005-10-19 Course Action Request Minutes](#) 

Handouts: Photonics track, B.S. to Ph.D. in C&EE, Inactivation of the Mathematics and Primary tracks to the M.Ed. in Elementary Education, Graduate Certificate in K-8 Mathematics and Science Education, and courses and special topics.

- The meeting began at 2:00 p.m. in Room 243 Millican Hall with Dr. Charles Reilly, facilitating as chair. A quorum was established. Dr. Reilly welcomed the committee and introductions were shared.
- Addition of a Photonics track to the M.S. in Electrical Engineering.** Dr. Georgiopoulos gave an overview of this new track. This track was co-jointly developed by the College of Optics and Photonics and the technical committees in the College of Engineering and Computer Science. This track will complement the other 8 tracks in the Electrical Engineering program. Dr. Georgiopoulos asked that this program be set up so that students could apply directly to this track with a separate HEGIS code. The college would like to implement this program in the spring 2006. Dr. Reilly then asked the members for comments or questions. It was suggested that Dr. Phillips' name be added to the list of participating faculty. On the last page of the proposal on Note 3, change the sentence to read: In a typical program of study, at least 50% of the **hours** (delete the word "courses") should be of the EEL designation. This track was approved.
- B.S. to Ph.D. in Civil and Environmental Engineering.** Dr. Cooper gave a summary of this B.S. to Ph.D. program. Currently their program requires a master's before going into the Ph.D. They are requesting to modify the current entrance requirements and allow students to apply directly to the Ph.D. The program will still accept students under the old program. The committee raised a question on how students would be addressed that cannot make it through the Ph.D. Dr. Cooper shared that if students failed the qualifying exam, they could revert to the master's program. No changes to the master's program at this time. The committee suggested that the actual qualifying scores be deleted from the catalog copy and emphasize that high levels of standards are expected, with an outstanding GPA, and a competitive score on the GRE. The committee suggested that the program indicate in their advertising, current GRE scores of the students that are being accepted. It would also be good to note in the catalog copy that not everyone that meets minimum will get into the program. Plans are to begin the program in spring 2006 and not request a separate HEGIS code for these. Master's degrees will be awarded to those that request it. This program was approved with the changes as suggested.
- Inactivation of the Mathematics and primary track to the M.Ed. in Elementary.** Juli Dixon summarized the reasoning for the inactivations. With the new M.Ed. programs in both Early Childhood Education and K-8 Math and Science which better serves graduate students wanting professional development in the primary grades, these track are no longer relevant. She indicated that there was 1 student enrolled in the Mathematics track that would be allowed to graduate in this track. These tracks will be removed from the graduate catalog and will be inactivated in Peoplesoft and all appropriate inventories. This inactivation was approved by the committee.
- Addition of a Graduate Certificate in K-8 Mathematics and Science Education.** Juli Dixon gave an overview of this certificate which would serve to make the courses from the M.Ed. program more accessible to teachers, as well as providing a new pool of highly-qualified graduate students from which to recruit. This certificate was approved by the committee.
- Courses and special topics.** The two special topics for Engineering & Computer Science were approved. Additional pending courses were also approved.
- Meeting adjourned at 2:50 p.m. The next meeting is scheduled for November 1, 2:30 p.m., in Room 243 MH.

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***GRADUATE COUNCIL APPROVED COURSES***  
***10-19-2005***

***SPECIAL TOPICS APPROVED***

**CAP 6938**            **ECS-Computer Science**            **3(3,0)**

**ST: Topics in Neuroevolution and Artificial Embryogeny:** PR: COP 4600 or C.I. Focuses on evolving neural networks for difficult sequential decision and control tasks. Topics include NeuroEvolution of Augmenting Topologies and phenotypes that grow from an embryo.

**CDA 5937**            **ECS-Computer Science**            **3(3,0)**

**ST: Embedded Networks:** PR: Senior or graduate standing. Latest research in embedded networks: application-driven architecture, coverage/connectivity, cross-layer architectures, routing, mobility models/management, security/privacy, applications, data aggregation and sampling self configurability and maintainability, data management.

***A&S REQUESTS APPROVED***

**DIG 5XXX**            **AS-Digital Media**            **3(3,0)**

**Creating Interactive Characters:** PR: Admission to Digital Media M.S. or C.I. Survey of issues related to creating interactive characters. Topics will range from modeling humans to reviewing realistic human capabilities. Graded S/U.

**DIG 5XXX**            **AS-Digital Media**            **3(3,0)**

**Interactive Entertainment Capstone:** PR: Admission to Digital Media M.S. Prepare a product design document and technical design document for a production project. Graded S/U.

**IDS 5XXX**            **AS-Philosophy 3(3,0)**

**Research Methods in Cognitive Sciences:** PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences

**IDS 5XXX**            **AS-Philosophy 3(3,0)**

**Topics in Cognitive Sciences:** PR: Admission to graduate certificate in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, and behavioral capacities.

***ECS REQUESTS APPROVED***

**ESI 6XXX**            **ECS-Industrial & Management**            **3(3,0)**

**Space Industry Capstone Experience:** PR: EIN 5140, EIN 5117. This course is designed to provide engineering students with knowledge and understanding of current topics pertinent to systems engineering and management.

**BA REQUESTS APPROVED**

**SPB 6407            BA-Marketing 3(3,0)**

**Professional Selling in Sport:** PR: CBA Masters Program of Study Foundation Core, and admission to the Sport Business Management program. This course offers a comprehensive understanding of the sales process in the sport area. An overview of sales theory and its applications in sports are examined.

**SPB 6710            BA-Marketing 3(3,0)**

**Strategic Sport Marketing:** PR: CBA Masters Program of Study Foundation Core, and admission to the Sport Business Management program. This course offers a comprehensive understanding of the marketing of sport and marketing through sport. Theoretical and practical applications of sport marketing are examined.