UCF Graduate Council

CURRICULUM COMMITTEE MINUTES

Minutes of January 20, 2005 meeting

Members Present	Kevin Belfield, Charles Reilly, Linda Savage, Rachel Viggiano, Lea Witta, Patricia Bishop, Ram Mohapatra
Recorder	Rhonda Nelson
Guests Present	Atsusi Hirumi
Files	2005-01-20 Course Action Request Minutes

Handouts: Proposal for a revision to the M.A. in Music Education, proposal to restructure Instructional Program, proposal to establish new e-Learning track, proposal to establish new graduate certificate in Instructional Design of Training Simulations, and courses and special topics.

1. Dr. Mohapatra began the meeting at 10:30 in Room 243 Millican Hall.
2. **Revisions to the M.A. in Music Education –** the total program hours have been reduced from 39 plus 4 co requisites hours to 37 hours with no co requisites. Added RED 6336 and a TSL 5345 course. Changes included streamlining of existing components to accommodate new state requirements. These revisions were approved.
3. **Proposal to restructure Instructional Technology Program –** Dr. Hirumi gave a summary of the changes to this program. Changes included course deletions and prerequisite changes. This restructure will establish a common set of required core courses, updates the course offerings, replaces the comprehensive exams with a portfolio assessment, and offers the certificate and master's degree programs totally online. Dr. Bishop indicated that having more programs available online in many areas provides opportunity for increased enrollment. Hours for the program still remain the same (39-42). Dr. Hirumi reported that the dean has approved a new faculty line for the program. This proposal was approved.
4. **Proposal to establish new e-Learning Track within existing Instructional Technology program –** Dr. Hirumi shared that the new track extends and compliments the existing e-Learning graduate certificate that is already being offered. This will be a 39-hour program and does not require any new courses. This proposal was approved.
5. **Proposal to establish graduate certificate in Instructional Design of Training Simulations –** Dr. Hirumi gave a summary of this certificate. Faculty from the Colleges of Education, Engineering and Computer Science, Arts and Sciences, and from the Institute for Simulation and Training are proposing this interdisciplinary graduate certificate. This certificate takes an interdisciplinary approach in designing training and instructional systems that incorporate stand along and PCbased desktop simulations. This certificate is a 15 credit hour program that includes a 160-hour internship. This proposal was approved.
6. **Courses and special topics –** see attachment for special topics and course action requests that were approved.
7. The meeting adjourned at 11:40 a.m.

Graduate Council CR & NP minutes for 1-20-05

Courses approved

Engineering & Computer Science Special Topics

EEL 5937 ECS-Electrical & Computer Sci 3(3,0)
ST:Introduction to Biomedical Nanotechnoloy: PR: C.I. Human anatomy, bioelectric phenomenon, brain neurons, biochips DNA, nanoelectronics, molecular electronics, IC processing for nanofabrication and self assembly, microstructures and microsystems.
17 character abbreviation: **ST: BIOMED NANO**

Arts & Sciences Course Action Additions

CHS 5XXX AS-Chemistry 3(3,0)
Principles of Forensic Science: PR: Admission to Forensic Science M.S. program or C.I. Principles of forensic science crime scene investigation, concepts in physical and biological evidence, evidence collection and transport, discrimination and individualization of evidence.
17 character abbreviation: **FORENSIC SCI PRIN**

Engineering & Computer Science Course Action Additions

EMA 5XXX ECS-Mechanical/Matrls/Aerosp 3(3,0)
Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity; Cell-biomaterials interactions; Engineering bone & cartilage; Soft-tissue replacements; Total hip replacements; Nanostructured biomaterials, Imaging techniques, Preservation techniques for biomaterials, MSDS and FDA compatibility data.
17 character abbreviation: **BIOCOMP OF MATLS**

Education Course Action Additions

EDF 7XXX ED-Ed Research, Tech & Lead 3(3,0)
Application of Nonparametric & Categorical Data Analysis in Education: PR: EDF 7403 or comparable doctoral level statistics course. Application of nonparametric and categorical data analysis procedures to education. Topics: nonparametrics for single samples, paired samples, independent samples, logistic regression, contingency tables, and logit models.
17 character abbreviation: **NONPARAMETRIC**

EDF 7XXX ED-Ed Research, Tech & Lead 3(3,0)
Latent Variable Modeling In Education: PR: EDF 7403 or its equivalent at the doctoral level. This course introduces students to the propriety, fit, parsimony, interpretation and power analysis of latent variable measurement and causal models.
17 character abbreviation: **LATENT VARIABLE M**

EDF 7XXX ED-Ed Research, Tech & Lead 3(3,0)
Monte Carlo Simulation Research in Education: PR: EDF 7403 or C.I. Students are taught how to generate univariate and multivariate data under various parametric conditions for the purpose of exploring the limits of analytical procedures.
17 character abbreviation: **MONTE CARLO SIMUL**

EDF 7XXX ED-Ed Research, Tech & Lead 3(3,0)
Multilevel Data Analysis In Education: PR: EDF 7403 or comparable doctoral level statistics course. The course will consider the statistical foundations of multilevel linear models, also known as hierarchical linear models (HLMs), and focuses on their application in education and behavioral sciences.
17 character abbreviation: **MULTILEVEL DATA**

EME 6XXX ED-Ed Research, Tech & Lead 3(3,0)
Instructional Simulations Design in Education: PR: EME 6613. Integration of ISD methods with simulation systems design, including analysis, design, development and formative evaluation of leading-edge training and educational simulation technologies.
17 character abbreviation: **INST SIM DESIGN**

Education Course Action Deletions

EME 5054 ED-Ed Research, Tech & Lead 3(3,0)
Instructional Systems Technology: A Survey of Applications: Applications of instructional technology in settings other than public schools. Survey of facilities, programs, and services in business, industry, religion, government, higher education, and medical settings.

EME 5056 ED-Ed Research, Tech & Lead 3(3,0)
Communication for Instructional Systems—Process: Principles of written and oral communications for instructional technologists; development of assertiveness and interpersonal skills; conducting training programs for employees; creating hard copy materials.

EME 5408 ED-Ed Research, Tech & Lead 3(3,0)
Computer Applications in Instructional Systems: PR: EME 2040 or C.I. Introduction to applications for the design, production, and management of interactive courseware within instructional systems.

EME 6313 ED-Ed Research, Tech & Lead 3(3,0)
Media Systems Design: PR: EME 5054, EME 6613. Principles of communication, learning theory, and research in instructional technology applied to the design of mediated instructional messages.

Engineering & Computer Science Course Action Revisions

~~**EEL 5891 Continuous System Simulation I 3(3,0)**~~
EEL 5XXX Continuous System Simulation II
PR: EEL ~~3657 or C.I.~~ 4890.

~~Use of state-space techniques, numerical integration, and CSSL programs. Laboratory assignments.~~
Introduction to Simulink. Numerical integration including one-step and multi-step methods. Stiff systems and numerical stability. Simulink projects.
17 character abbreviation: **CONT SYS SIM II**

Education Course Action Revisions

~~EME 5057~~ Communication for Instructional Systems—Application 3(3,0)
EME 5XXX
~~PR: EME 5056.~~
Applications of technology, communications theory, platform skills, and instructional design to the effective presentation of training programs and instruction.

~~EME 6705~~ Administration of Instructional Systems 3(3,0)
EME 6XXX
PR: EME ~~5408, EME 6613.~~ 6613.
Provides opportunities for students to examine parameters, problems, and areas of importance in the management of instructional systems.

~~EME 6053~~ Current Trends in Instructional Technology 3(3,0)
EME 6XXX
~~PR: EME 6613.~~
Survey of current trends and issues of importance to the field of instructional technology.

~~EME 6207~~ Multimedia Instructional Systems I 3(3,0)
EME 6XXX
~~PR: EME 5408 (or equivalent) and EME 6613 or C.I.~~ PR: Basic computer literacy.
Creation of interactive Web-based multimedia instructonal content using graphic, audio,video, and authoring tools. Discussion of copyright, cost, media attributes, and other relevant issues.

~~EME 6607~~ Planned Change in Instructional Technology 3(3,0)
EME 6XXX
~~PR: EME 6705 or EME 6706.~~
In-depth study of the processes of planned change and adoption/rejection of innovations in educational settings.

~~EME 6062~~ Research in Instructional Technology 3(3,0)
EME 6XXX
~~PR:~~ PR: EDF 6481 and PR or CR: ~~EDF 6481, EME 6613,~~ EME 6053 or EME ~~6605.~~ 6613.
Critical review and evaluation of landmark research in the areas of educational media, instructional design, and instructional systems.