

# UCF Graduate Council

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## CURRICULUM COMMITTEE MINUTES

### Minutes of January 15, 2008 meeting

Members Present	Patricia Bishop, Tosha Dupras
Recorder	Rhonda Nelson
Guests Present	Djehane Hosni, Henry Daniell, Conrad Katzenmeyer, Margaret Miller
Files	<a href="#">2008-01-15 Course Action Request Minutes</a> 

**Welcome and call to order.** The meeting was called to order at 12:30 p.m. by Stephen Goodman, chair.

**Approval of minutes.** The minutes of the meeting held on December 11 were approved unanimously. The course action request minutes will be adjusted to reflect the additional courses that were approved.

**Addition of an M.S. in Biotechnology new degree program, COM.** Henry Daniell was present to discuss this new degree proposal. This program prepares students to function in the industrial biotechnology environment, which provides more hands-on lab experiences and opportunities for research. Students will also be given the option of completing an MBA degree concurrently with the MS. The completion of the MBA will provide great opportunity to perform jobs that require scientific talent and management skills. Djehane Hosni, BA, was present to discuss the MBA program. Dr. Daniell shared an overview on the strengths of the program, faculty member anticipation, job outlook, budgets, facilities, and student information. The committee asked questions on the percentage of MS students that may continue on to the MBA. Discussion followed regarding on whether the students would have the appropriate skills with only the MS. A question was raised as to the ratio between MS and MBA job options and what positions require both. Dr. Daniell pointed out that the research jobs would outweigh the management jobs. The committee asked that these items be added to the proposal: information on UG enrollment, strengthen information about the headcount, additional information on resources, include additional information on the competition and UF and FIT enrollment, increase table size, and include a notation that indicates that having a regular MS in Biomedical sciences is a strong plus. There were several additional corrections including correct errors on page 6 and update the sentences on former Governor Jeb Bush with more current information. Dr. Daniell indicated they would like to implement the program in fall 2008. The committee unanimously approved the proposal with the changes as suggested. Dr. Daniell agreed to make revisions and return a final copy to Graduate Studies.

**Revisions to the Community College Teaching tracks in the following programs: Art Education, English Language Arts Education, Math Education, Science Education, and Social Science Education, ED.** Conrad Katzenmeyer and Margaret Miller were present to discuss these curriculum changes. The track currently consists of 42 credits (15 core and 27 unspecified credits). The changes included deleting courses from the current core courses (including the EDF 6481 Fundamentals of Graduate Research course) and replace with community college courses. All community college courses could also be used towards the community college graduate certificate. These changes would reduce the total number of hours to 39. The committee questioned the deletion of the EDF 6481 course and indicated that this research course should be left in the core as students would greatly need this course. The changes to this track were approved unanimously with the change to leave in the EDF 6481 course which would then not change the overall hours of the program. There were several additional changes requested on wording and credit hours. Dr. Miller will make these changes and return revisions of this proposal to Graduate Studies.

**Curriculum revisions to the Applied Experimental & Human Factors & MA en route, Ph.D. in Psychology, COS.** The department has requested to change their professional issues course INP 7089 from 1 to 3 credit hours which would change the overall hours of this program from 91 to 93. This change was approved unanimously.

**Curriculum revisions to the Graduate Certificate in Conservation Biology, Ph.D. Biology, COS.** The department has requested to drop 1, one credit course from Group A, and add 2, four credit courses to Group A and Group B. These changes would allow greater flexibility in developing the POS to fit individual student needs and increase the rigor of the program. The committee questioned the statement that reads "requirement of 12 credit hours minimum" and indicated that it would at least require 14 credit hours to complete the program as it was now set up. The committee approved these changes unanimously and asked that Graduate Studies contact the Biology Department in regards to changing the wording on the number of hours for the program to read, "14 credit hours minimum."

**Courses and special topics.** For a complete list of courses approved, review the attachment listed at the top of this page.

**Next meeting.** The next meeting is scheduled for January 30, 1:30, MH 243.

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## **Graduate Council Curriculum Subcommittee** **Course Minutes 01-15-2008**

*All courses listed below were approved unless otherwise noted. Any course listed as tabled or withdrawn refers to the course directly below the notation.*

### **College of Business Adm Course Action Additions**

**Withdrawn by college.**

**ISM 5XXX BA-Management Inform. System 3(3,0)**

**Managing Healthcare Information Systems:** PR: CGS 2100C or CGS 1060C or Equivalent. Management of the design, development, acquisition, deployment, administration and maintenance of healthcare information systems and managing healthcare information systems.

30 character abbreviation: **Manage Healthcare Info Systems**

### **College of Education Course Action Additions**

**EEX 6XXX ED-Child, Family & Comm Sci 3(3,0)**

**Transition Planning and Interdisciplinary Teaming for Students with Disabilities:** PR: Graduate standing or C.I. Interdisciplinary teaming to include available resources ; the recognition of the role of parents, teachers, and other professionals ; functional community-based curriculum ; employability skills ; and transition planning.

30 character abbreviation: **Transition Plan & Interdis Tea**

**EDP 6XXX ED-Educational Studies 3(3,0)**

**Seminar in Applied Learning and Instruction I:** PR: Graduate standing or C.I. An overview of contemporary theories and research related to human learning and instruction with a focus on affective and motivational issues surrounding learning and instruction.

30 character abbreviation: **Sem in Applied Learn & Inst I**

**EDP 6XXX ED-Educational Studies 3(3,0)**

**Seminar in Applied Learning and Instruction II:** PR: EDP 6XXX I or C.I. An overview of contemporary theories and research in human learning and instruction. Emphasis on cognition, critical thinking, problem-solving, individual differences, and assessment of learning outcomes.

30 character abbreviation: **Sem in Applied Learn & Inst II**

**TABLED : Continue to table. Review at same time as Art Education track.**

**ARE 7XXX ED-Teaching & Learning Princ 3(3,0)**

**Advanced Research Seminar in Art Education:** PR: Doctoral standing, admission to the PhD or EdD in Education, or C.I. Identify and review landmark research relevant to art education research. Emphasis is placed on examining the nature of past and present research in art education, various methods of conducting art education research, and how research can translate into practical classroom application. May be used in the degree program a maximum of 2 times only when course content is different.

30 character abbreviation: **Adv Res Seminar in Art Educ**

**TABLED : Continue to table. Review at same time as Art Education track.**

**ARE 7XXX ED-Teaching & Learning Princ 3(3,0)**

**Assessment Seminar in Art Education:** PR: Doctoral standing, admission to the PhD or EdD in Education, or C.I. This course will examine the nature of past and present assessment research in art education, various methods of conducting this research, and how it can translate into application and contribute to the knowledge base in the field.

30 character abbreviation: Assess Seminar in Art Educ

**TABLED : Continue to table. Review at same time as Art Education track.**

**ARE 7XXX ED-Teaching & Learning Princ 3(3,0)**

**Internship Seminar in Art Education:** PR: Doctoral standing, admission to the PhD or EdD in Education, or C.I. Doctoral Internship is "hands on experience" in pre K-16 or as a community based art educator under supervision of a certified classroom teacher. The purpose of this course is for candidates to assume the roles and responsibilities of a classroom teacher.

30 character abbreviation: Intrn Seminar in Art Education

### **College of Sciences Course Action Revisions**

~~MAA 5416 Foundations of Analysis 3(3,0)~~

**MAA 6XXX Topology**

PR: MAA 4226, and graduate status or senior standing or C.I. MTG 4302.

~~Topological spaces, compactness results, connectedness, analytical and differentiable manifolds, topological groups, Lie groups, representation theory for classical groups, Green, Stoke and Gauss' theorems.~~

Topological spaces and continuous functions, connectedness and compactness, separation axioms, metrization theorems, Baire spaces and dimension theory, the fundamental group and homotopy paths.

30 character abbreviation: Topology

~~INP 7089 Human Factors Professional Issues 1(1,0)~~

**EXP 7XXX 3(3,0)**

PR: Admission to the Human Factors PhD program.

Ethical principles of psychologists, code of conduct, grant/proposal writing, publication of research, academic and applied career paths, licensing requirements, and job search/preparation.

### **Engineering & Computer Science Course Action Revisions**

**Tabled : Two courses with the same name and course description.**

~~CDA 5106 Advanced Computer Architecture I 3(3,0)~~

**Advanced Computer Architecture**

PR: CDA 4150G, 4150C or EEL 4768C.

~~Instruction set architectures, processor implementation, memory hierarchy, pipelining, computer arithmetic, vector processing, and I/O.~~

Modern processor design, instruction-level parallelism, thread-level parallelism, data-level parallelism, memory hierarchy, and I/O.

30 character abbreviation: **Adv Computer Architecture**

**Tabled : Two courses with the same name and course description.**

**CDA 6107 Parallel Computer Architecture 3(3,0)**

~~PR: CDA 4150C, recommended: CDA 5106, graduate standing. PR: EEL 5708 or CDA 5106. Principles and trade-offs in the design of parallel architectures, shared-memory, message-passing, dataflow, data-parallel machines, cache coherence protocols, consistence models, and interconnection networks.~~

Principles and trade-offs in the design of parallel architectures, shared-memory, message-passing, dataflow, data-parallel machines, cache coherence protocols, and consistence models.

**Tabled : Two courses with the same name and course description.**

**EEL 5708 High-Performance Computer Architecture 3(3,0)**  
**Advanced Computer Architecture**

~~PR: EEL 4767C. 4767C or CDA 4150C.~~

~~Engineering of high performance computer systems. Memory, processor and control sub-systems design tradeoffs. Virtual and cache memory. Pipelining, vector computing. Modern processor design, instruction-level parallelism, thread-level parallelism, data-level parallelism, memory hierarchy, and I/O.~~

30 character abbreviation: **Adv Computer Architecture**

**EEL 5722C Field-Programmable Gate Array (FPGA) Design 3(3,1)**

~~PR: EEL 3342C or C.I.~~

~~FPGA; architectures; design flow; applications; logic synthesis; technology mapping, placement; routing; multi-FPGA systems; muti context; reconfigurable computing; evolvable hardware.~~

FPGA architectures, design flow, technology mapping, placement, routing, reconfigurable computing applications, and evolvable hardware.

**EEL 6327 High-Level Synthesis of Very Large Scale Integration (VLSI) Circuits 3(3,0)**

**Design of Video Coding Systems**

~~PR: EEL 4854C 4768C and EEL 4767C. 4750.~~

~~Design modeling; Algorithms; graph theory; optimization; architectural synthesis; data-path; control; scheduling; resource sharing; binding; pipelining; selection; logic synthesis.~~

VLSI architectures & image/video coding algorithms, image/video coding standards, and architectural issues related with area/power/performance.

30 character abbreviation: **Design of Video Coding Systems**

**Tabled : Two courses with the same name and course description.**

**EEL 6707 Parallel Processing 3(3,0)**  
**Parallel Computer Architecture**

~~PR: EEL 5708. 5708 or CDA 5106.~~

~~Systems with one or more central I/O processors. Types of parallelism granularity and memory organization. Processor/memory message passing systems. Shared memory multiprocessors.~~

Principles and trade-offs in the design of parallel architectures, shared-memory, message-passing, dataflow, data-parallel machines, cache coherence protocols, and consistency models.

30 character abbreviation: **Parallel Computer Architecture**

### ***Health & Public Affairs Course Action Revisions***

~~**SOW 5846 Spirituality in Professional Counseling 3(3,0)**~~

**SOW 6XXX Spirituality in Clinical Social Work Practice**

~~PR: graduate standing, post-bac status, seniors, or C.I.~~ PR: Admission to MSW or Social Work Certificate program.

~~Examination of spirituality as it relates to professional counseling.~~

Faith development theory, study of spirituality in various settings and development of strategies for use in practice designed to heighten sensitivity to spiritual dimensions of life.

30 character abbreviation: **Spirituality Clinical SW Pract**