

UCF Graduate Council

[Home](#) > [Curriculum](#) > [Minutes](#)

CURRICULUM COMMITTEE MINUTES

Minutes of February 25, 2013 meeting

Members Present

Deborah Breiter, Lucretia Cooney, Charles Kelliher, Joyce Nutta, Kerry Purmensky, Terrie Sypolt, Julee Waldrop, Art Weeks, Harry Weger, Boris Zeldovich, Antonis Zervos

Recorder

Rhonda Nelson

Guests Present

Teresa Dorman, Maria Cox, Mary Little, Stacey Dunn, Rudy McDaniel, Oliver Edwards

Files

[2013-02-25 Meeting Course Actions Minutes](#) 

Welcome and call to order. The meeting was called to order at 12:00 p.m. by Dr. Charles Kelliher, chair. A quorum was established. The minutes of the last meeting were reviewed and approved.

Boris Zeldovich had a question about Course SPS 5XXX Enhancing Individual and Student IQ that was approved at the last meeting. He requested additional information regarding this course and possibly a seminar on the subject. Oliver Edwards was present at the meeting and indicated that he taught the course. He indicated that he would make contact with Dr. Zeldovich to discuss the course further and provide additional information.

Revisions to the MSEE EI Engineering Accelerated UG program, CECS – information only

Revisions to the Computer Engineering Accelerated UG program, CECS – information only

Revisions to the Computer Science Accelerated UG program, CECS – information only

Revisions to the DNP Adult/Gero CNS track, CON. Dr. Waldrop presented the revisions to this track which includes revisions to the core, specialty, and required courses. She indicated that there was a correction needed on the second page of the POS. Doctoral Project III should be listed as 3 credits and the Adv. Clinical Practice Selective should be listed as 2 credits. These revisions received unanimous approval with changes noted from the committee.

Revisions to the MSN Nurse Educator track, CON. Dr. Waldrop noted the additional changes since the February 4 changes that went through the committee. There was an addition of 3 courses under the restricted electives. These revisions received unanimous approval from the committee.

Revisions to the MA Clinical Psychology program, COS. Stacey Dunn provided a summary of the changes. Two options were added; one with thesis and one without. These revisions received unanimous approval from the committee.

Revisions to the MS Math, Industrial Mathematics track, COS. Teresa Dorman was present to provide information regarding these revisions. There were revisions to the required course, addition of a professional component, addition of an experiential component, and addition of requirements which required an increase in the credit hours. These revisions received unanimous approval from the committee.

Revisions to the MA Applied Sociology; non thesis option only, COS. Teresa Dorman was present to give summary of these changes. There were changes to the non-thesis option. No comprehensive exam and require internship, directed research, and research report or independent study. These revisions received unanimous approval from the committee.

Revisions to the PhD Texts & Technology program, CAH. Rudy McDaniel presented the revisions to the program. Revisions were made to both the required and elective courses. These revisions received unanimous approval from the committee.

Revisions to the EdS School Psychology program, CED. Oliver Edwards was present to explain the revisions to this program. Course revisions were made to the specialization area. These revisions received unanimous approval from the committee.

Addition of an Intervention Specialist graduate certificate, CED. Mary Little presented this new graduate certificate. This certificate will prepare educators to use school-based and classroom instructional data sets to meet the instructional and intervention needs of all students, including at-risk and struggling students. This will be a 12 credit hour certificate. This certificate received unanimous approval from the committee.

Revisions to the MA in Elementary Ed program, CED. Maria Cox was present to present information on the revisions. The only change was to delete one co-requisite and add another in its place. This revision received unanimous approval from the committee.

Revisions to the MEd in Elementary Ed program, CED. Maria Cox was available to provide information regarding these revisions. Course revisions were made to the required, electives, and non-thesis areas. These revisions received unanimous approval from the committee.

Revisions to the K-8 Math and Science Ed graduate certificate, CED. Maria Cox was present to provide information regarding the revisions and answer any questions. The only change was to add one course to the required area as an option. This revision received unanimous approval from the committee.

Temporary suspension of the Hospitality Management graduate certificate, RCHM. Deborah Breiter provided rationale regarding the suspension of this certificate. They are requesting temporary suspension due to Disney reducing international internships. This suspension received unanimous approval from the committee.

Cellular and Molecular Neuroscience split class, COM (Tabled at last meeting). Tony Zervos provided information regarding the differences between the undergraduate and graduate syllabi. The committee discussed the two syllabi and had additional questions regarding the differences. The committee tabled the course and requested that Dr. Alvaro Estévez attend the next meeting to answer any additional questions from the committee.

Courses and special topics. For a complete list of courses approved by the committee, review the attached course listing.

Announcements and adjournment. The meeting was adjourned at 1:15 p.m.

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Graduate Council Curriculum Committee **Course Minutes for 02-25-2013**

All courses were approved unless otherwise noted. Any notation refers to the course directly below the notation.

College of Arts & Humanities Course Action Additions

DIG 6XXX CAH-College-CAH 3(3,0)

Design and Development for Texts and Technology: PR: Graduate standing or C.I. A study of the applied design and development process on concepts and practices of literacy/electracy, including pedagogical, artistic, workplace, and leisure-based communicative practices. *Fall.*

28 of 30 character abbreviation: **Design & Development for T&T**

Rationale: The design and development of T&T course will teach students some much needed technical design and introduce applied development skills, and the associated theoretical readings associated with those skills, into the T&T curriculum. Giving our doctoral students a stronger technological skillset will enable them to secure more prestigious technical internships and will also allow them to design and develop their own applied digital humanities projects for personal research and creative activities. It will also allow us to more honestly and efficiently prepare students for the areas of research and production advertised on our website and in our catalog copy (digital editing, Web design, multimedia production, distributed education, entertainment, publishing, information architecture, and visualization). Finally, these applied skills will open up additional possibilities for dissertation work.

Discussion with others: T&T is an interdisciplinary program, and members on the committee represent English, Writing & Rhetoric, Digital Media, History, and Philosophy. These representatives report that their respective curriculum committees would not find a conflict with the offering of this course.

Majors taking course: Required for all Texts and Technology students.

College of Nursing Course Action Additions

NGR 6723L CON-Nursing 3(0,3)

Nursing Leadership Role Specialization Practicum: PR: NGR 6723. Preceptor supervised experience with a nurse leader. Experience will focus on the analysis, synthesis and application of the principles related to leadership in the health care setting, including health care delivery systems, patient care delivery systems, staffing, personnel management, finance and ethical, legal and regulatory requirements. Graded S/U. May be used in the degree program a maximum of 2 times. *Fall, Spring.*

30 of 30 character abbreviation: **Nursing Ldrshp Role Spec Pract**

Rationale: Required course for the MSN Leadership and Management track.

Majors taking course: Nursing Leadership and Management

College of Sciences Special Topics

MAA 6938 Sect 01 COS-Mathematics 3(3,0)

ST:Q-Series: PR: MAA 5228 or CI. Applications of q-Series to analysis and number theory. *Occasional.*

30 character abbreviation: **ST:Q-Series**

Rationale: This is an opportunity to make use of the particular expertise of the instructor who is an internationally recognized leader in this field.

Discussion with others: None

College of Sciences Course Action Additions

MAP 6XXX COS-Mathematics 3(3,0)

Mathematical Modeling II: PR: MAP 5117, graduate standing, or CI. Solutions of complex industrial mathematics problems in navigation/guidance, object tracking, pattern recognition, and fluid dynamics. *Occasional.*

30 character abbreviation: **Mathematical Modeling II**

Rationale: This course will provide an experiential experience for students who are unable to complete an internship or participation in an appropriate industrial workshop.

Majors taking course: MS Industrial Mathematics track

SYD 6XXX COS-Sociology 3(3,0)

Topics in Social Inequalities: PR: Graduate standing or C.I. Examines cutting-edge research in an area of social inequalities, with an emphasis on how social inequalities are created and maintained in contemporary society. May be used in the degree program a maximum of 3 times. *Occasional.*

26 of 30 character abbreviation: **Topics Social Inequalities**

Rationale: Expand course offerings in one of the four areas of concentration (social inequalities) in the doctoral program.

Discussion with others: The topics will vary. If approved, the first course to be taught is likely to be "Globalization, Discrimination, and Social Inequalities in Comparative Perspective." We have discussed possible overlap with Political Science, who has a course at the undergraduate level but not graduate level. No objections.

Majors taking course: None

Engineering & Computer Science Special Topics

EEL 6938 Sect 01 ECS-Electrical & Computer Eng 3(3,0)

ST: Modern EDA Algorithms in VLSI: PR: **EEL 4783**. This course covers all of the most important aspects of modern Electronic Design Automation (EDA) software: logic synthesis, circuit placement, and routing algorithms. Students will not only learn theory but also gain hands-on experience by doing a software project. *Occasional.*

30 of 30 character abbreviation: **ST: Mod EDA Algorithms in VLSI**

Rationale: Despite that EDA is a critical area in modern VLSI technology, currently our department has no dedicated course for this topic.

AGENDA NOTES: Course Addition also being proposed.

Engineering & Computer Science Course Action Additions

EEL 6XXX **ECS-Electrical & Computer Eng** **3(3,0)**

Modern EDA Algorithms in VLSI: PR: **EEL 4783**. This course covers all of the most important aspects of modern Electronic Design Automation (EDA) software: logic synthesis, circuit placement, and routing algorithms. Students will not only learn theory but also gain hands-on experience by doing a software project. *Spring*.

30 character abbreviation: **Modern EDA Algorithms in VLSI**

Rationale: There is a great demand from both industry and academia for students with extensive expertise in using and constructing modern EDA software. Additionally, the EDA-related algorithms and optimization methods are quite general-purpose and can be used in many engineering domain. However, our ECE department currently offers no course that is dedicated to cover the EDA area. We feel the need for adding this class especially for graduate students. Another additional benefit is that this class provides many CE and CS students with algorithm background a good opportunity to practice their learning.

AGENDA NOTES: Special Topic also being proposed.

College of Education Course Action Deletions

EDG 6236 **ED-Teach, Learn & Leadership** **3(3,0)**

Principles of Instruction: PR: C.I. The analysis and application of selected concepts and theories of learning in relation to curriculum design, classroom strategies, and instructional techniques. *Fall, Spring*.

Engineering & Computer Science Course Action Revisions

CEG 6115 **Foundation Engineering** **3(3,0)**

PR: CEG 5015: 4012 or C.I.

Analysis and design of spread footings, mat foundations, retaining walls, sheeting and bracing systems and pile foundations.

CEG 6317 **Advanced Geotechnical Engineering** **3(3,0)**

PR: CEG 5015: 4012 or C.I.

Mechanics of soils and models; elasticity and plasticity of soil bodies; strength of soils and stability of soil structures.

ENV 5410 **Drinking Water Treatment**
Water Treatment **3(3,0)**

PR: ~~ENV 4561~~. PR: EES 4202C or ENV 5517 or C.I.

Drinking water treatment using existing and newly developed processes. Fe, Mn, As, NO₃, DBP₃, SOCs and other contaminants using oxidation, membranes, ion exchange, precipitation, sorption, and other processes.

Potable water regulations, standards, chemical reactors, oxidation, disinfection, disinfection by-products, ultraviolet irradiation. Internal corrosion and microbial control in municipal and industrial water distribution systems.

30 character abbreviation: **Water Treatment**

Rationale: We are changing the Course title and the catalog description to more accurately reflect the course content and more effectively describe the course focus.

Majors taking course: Environmental Engineering

EEL 5439C RF and Microwave Communications ~~3(2,1)~~
4(3,3)

PR: EEL 4436C or equivalent.

RF and microwave active circuits microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarization with network and spectrum analyzers.

Withdrawn by Graduate Council. Fees should be considered as equipment fees.

EAS 5407C Mechatronic Systems **3(2,3)**

PR: EML 3034C.

Discrete control techniques for aerospace mechatronic systems. Controller design, test and evaluation.

Materials & Supply Fee addition proposed: \$43.02

College of Education Course Action Revisions

SPS 6948 School Psychology Internship **6(0,6)**

PR: Graduate admission and C.I.

~~Supervised placement in school setting. Graded S/U.~~

Supervised placement in school setting. Graded S/U. May be used in the degree program a maximum of 6 times.

Will now be repeatable for credit.

ARE 5648 Contemporary Visual Arts Education **3(3,0)**

~~PR: ARE 4443 or C.I.~~ PR: Senior standing or graduate standing.

Continued study of current programs and innovations in public school Visual Arts Programs.

Rationale: ARE 4443 is no longer a course offering and should be removed as a pre-requisite.

Also, the consent of instructor is no longer required for enrollment in the course.

LAE 5337 Literacy Strategies for Middle and Secondary Teaching **3(3,0)**

PR: EDG 6236 ~~6415~~ or C.I.

~~is designed for the examination of theory, teaching strategies, and resources~~ Designed to assist teachers and graduate students in understanding the adolescent learner. This course reading instruction, to assist teachers to understand and develop content area reading instructional strategies. will examine theory, strategies, research, resources and implementation options for effective middle and secondary literacy programs.

LAE 5338 Teaching Writing in Middle and High School 3(3,0)

PR: EDG ~~6236~~ 6415 or C.I.

Techniques and methods in teaching dialects, semantics, and the various grammars within the context of writing.

College of Medicine Course Action Additions

Tabled. Split class. Need additional clarification on 5000 level.

ZOO 5XXX COM-Molecular & Microbiology 3(3,0)

Cellular and Molecular Neuroscience: PR: Graduate Standing. An advanced and thorough course providing understanding of the cellular components and molecular signaling pathways involved in the nervous system function. *Spring*.

29 of 30 character abbreviation: **Cellular & Molecular Neurosci**

Rationale: The course provides through understanding of the cellular components and molecular signaling pathways involved in the nervous system function.

Majors taking course: Biomedical Sciences MS, Ph.D., Biology MS