


UCF Graduate Council

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CURRICULUM COMMITTEE MINUTES

Minutes of December 03, 2012 meeting	
Members Present	Deborah Breiter, Charles Kelliher, Joyce Nutta, Max Poole, Kerry Purmensky, Julee Waldrop, Art Weeks, Harry Weger, Boris Zeldovich
Recorder	Rhonda Nelson
Guests Present	Rep from SVAD, Robin Kohn, Michael Bernes, Phil Peters, Kendall Cortelyou-Ward, Roanne Brice, Maren Fragala, Jim Szalma, Melissa Cox, Teresa Dorman, Diane Andrews, Linda Sullivan, Susan Chase
Files	2012-12-03 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.

Revisions to the MFA Emerging Media, Digital Media track, CAH. Phil Peters presented the changes to this track. The request was to change the total hours from 60 to 66, change required courses from 30 to 45, and change electives from 18 to 9. All revisions received unanimous approval from the committee.

Revisions to the MFA Emerging Media, Studio Art and the Computer track, CAH. Phil Peters presented the changes to this track. The request was to change the total hours from 70 to 66 and change required hours from 55 to 51. All revisions received unanimous approval from the committee.

Revisions to the MS Health Services Administration. Kendall Cortelyou-Ward presented the revisions to this program. The required hours are being changed from 42 to 39 hours and the electives from 3 to 6. The overall hours will remain at 51. It was noted that some of the courses in the catalog copy had slightly different names than the CARs that were sent through. Kendall indicated that the names in 4D were the correct ones to use. All revisions received unanimous approval from the committee.

Revisions to the Urban and Regional Planning graduate certificate, COHPA. The change was to increase electives from 3 to 6 hours, required hours to remain at 12, and the total hours will change from 15 to 18. All revisions received unanimous approval from the committee.

Addition of a Military Social Work graduate certificate, COHPA. Michael Bernes presented a summary of this new certificate. This certificate will prepare military social workers to engage in direct practice, administrative activities, and advocacy including providing prevention, treatment, and rehabilitative services to service members, veterans, their families, and their communities. A question was raised on whether this could be offered outside the MS. Dr. Bernes indicated that they were looking into this. This request received unanimous approval from the committee.

Revisions to the Psychology PhD & master's en route - AEHP track, COS, Fall 2012. Several course revisions were made to bring this in line with the PhD so they are in coordination. Students are grandfathered in and can change to current catalog year. They were required to take 9 extra hours because of a catalog error. No one qualified for the master's because of the extra hours. There are 15 students in this cohort. This was approved with the implementation date change to fall 2013.

Revisions to the Psychology PhD & master's en route - AEHP track, COS, Fall 2011. This track proposal was withdrawn after much review and discussion. The committee recommended that the department go back to the college to work out a solution for the students involved in this track.

Additional revisions to the MA Communication tracks, COS. Harry Weger presented the changes to these two tracks. These changes were in addition to the changes that were approved at a recent meeting. The request was to change the name of the COM 6304 course and add a new required course. These revisions received unanimous approval from the committee.

Revisions to the DNP Executive track, CON. Diane Andrews presented the changes to this track. The request was to decrease the practicum residency hours from 6 to 3 and increase the DNP Project hours from 6 to 9. These revisions received unanimous approval from the committee.

Revisions to the MSN Adult/Gerontology CNS track, CON. Diane Andrews presented the changes to this track. The request was to decrease clinical practice hours from 600 to 540, part-time student to complete the track in 5 instead of 6 semesters, and the inclusion of Adult/Gero CNS, 1, II, and III along with labs for each course. These revisions received unanimous approval from the committee.

Addition of a Split Class: ENY 5006C and ENY 4004C, COS. The request was to receive approval on offering a split class. The differences in the graduate and undergraduate syllabi were noted. This request received unanimous approval. No course revisions at this time.

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

Announcements and adjournment. The committee discussed meeting again on Mondays at 12:00. Rhonda will follow up with an email to committee members to confirm this. The meeting was adjourned at 1:15 p.m.

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Graduate Council Curriculum Committee **Course Minutes for 12-03-2012**

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

College of Arts & Humanities Special Topics

DIG 6938 Sect 01 CAH-College-CAH 3(3,0)

ST: Ethnographic Storytelling & New Media: PR: Graduate standing. Theories and practices related to ethnographic storytelling using new media. *Occasional.*

29 of 30 character abbreviation: **ST: Ethnographic Storytelling**

Rationale: The course fills a need to combine theory and practice in the development of new media narratives related to cultural heritage.

Discussion with others: no conflict

AGENDA NOTES: Course Addition also being proposed.

College of Arts & Humanities Course Action Additions

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

Ethnographic Storytelling & New Media: PR: Graduate standing. Theories and practices related to ethnographic storytelling using new media. *Odd Fall.*

24 of 30 character abbreviation: **Storytelling & New Media**

Rationale: This course fills a need to combine theory and practice in the development of new media narratives related to cultural heritage

Discussion with others: no conflict

Majors taking course: Not a required course

AGENDA NOTES: Special Topic also being proposed.

College of Medicine Course Action Additions

Tabled. Split class. Will review at next meeting.

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

College of Nursing Course Action Additions

NGR 6XXX CON-Nursing 3(3,0)

Adult/Gerontology CNS I: PR: NGR 5141, Pathophysiology; NGR 5003/L, Advanced Health Assessment; NGR 6874, Nursing Environment Management. Adult/Gerontology CNS foundation.

Role/scope of CNS; direct care/coaching focus. Health promotion and disease prevention across the adult lifespan. May be used in the degree program a maximum of 2 times. *Spring*.

30 character abbreviation: **Adult/Gerontology CNS I**

Rationale: To meet the requirements for accreditation of Adult/Gerontology CNS program. Content change to include Gerontology.

Majors taking course: Not applicable.

NGR 6XXX CON-Nursing 3(3,0)

Adult/Gerontology CNS II: PR: NGR 6XXX, Adult/Gerontology CNS I; NGR 6XXXL, Adult/Gerontology CNS II; NGR 6172 Pharmacology for Advanced Nursing; NGR 6801 Research Methods for Advanced Practice Nursing; NGR 5720, Organizational Dynamics. Continuation of Adult/Gerontology CNS I. Management of acute and/or complex problems; focus on research and ethical decision making. May be used in the degree program a maximum of 2 times. *Fall*.

30 character abbreviation: **Adult/Gerontology CNS II**

Rationale: To meet the requirements for accreditation of Adult/Gerontology CNS program. Content change to include Gerontology.

Majors taking course: Not applicable

NGR 6XXX CON-Nursing 3(3,0)

Adult/Gerontology CNS III: PR: NGR 6XXXC/L Adult/Gerontology CNS II; NGR 6XXXL, Adult/Gerontology CNS III. Continuation of Adult/Gerontology CNS II. Management of acute and/or complex problems. Focus on collaboration, systems leadership, and consultation. May be used in the degree program a maximum of 2 times. *Spring*.

30 character abbreviation: **Adult/Gerontology CNS III**

Rationale: To meet the requirements for accreditation of Adult/Gerontology CNS program. Content change to include Gerontology.

Majors taking course: Not applicable

NGR 6XXXL CON-Nursing 3(0,3)

Adult/Gerontology CNS I Clinical: PR: NGR 6XXX Adult/Gerontology CNS I. Introduction to Adult/Gerontology CNS role; emphasis on direct care, coaching, systems leadership for health promotion and managing common problems. Graded S/U. May be used in the degree program a maximum of 2 times. *Spring*.

29 of 30 character abbreviation: **Adult Gerontol CNS I Clinical**

Rationale: To meet the requirements for accreditation of Adult/Gerontology CNS program. Content change to include Gerontology.

Majors taking course: Not applicable.

NGR 6XXXL CON-Nursing 3(0,3)

Adult/Gerontology CNS II Clinical: PR: NGR 6XXXC/L Adult Gerontology CNS I; NGR 6XXXC, Adult/Gerontology CNS II. Continued development of Adult/Gerontology CNS role; emphasis on research, ethical decision making, and management of acute and chronic health problems. Graded S/U. May be used in the degree program a maximum of 2 times. *Fall*.

30 of 30 character abbreviation: **Adult Gerontol CNS II Clinical**

Rationale: To meet the requirements for accreditation of Adult/Gerontology CNS program. Content change to include Gerontology.

Majors taking course: Not applicable

NGR 6XXXL CON-Nursing 3(0,3)

Adult/Gerontology CNS III Clinical: PR: NGR 6XXXC/L, Adult/Gerontology CNS II; NGR 6XXXC, Adult/Gerontology CNS III. Continued development of adult/gerontology CNS role; emphasis on collaboration, systems leadership, consultation in management of acute and chronic problems. Graded S/U. May be used in the degree program a maximum of 2 times. *Spring*.

27 of 30 character abbreviation: **Adult Gerontol CNS III Clin**

Rationale: To meet the requirements for accreditation of Adult/Gerontology CNS program. Content to include Gerontology.

Majors taking course: Not applicable.

College of Sciences Special Topics

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

ST: Mathematical Modeling II: PR: MAP 5117 Mathematical Modeling. Building upon core modeling skills to solve complex real-world industrial mathematics problems. Mathematical concepts in navigation/guidance, object tracking, pattern recognition, and fluid dynamics. *Occasional*.

30 character abbreviation: **ST: Mathematical Modeling II**

Rationale: This course is offered as part of a plan of strengthening and developing the Industrial Mathematics track of the Master of Science in Mathematical Sciences.

Discussion with others: Contact was made with the M&S program and no conflicts or overlaps were seen.

Engineering & Computer Science Special Topics

Tabled. The committee has asked whether a higher level prerequisite was available.

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

ST: Modern EDA Algorithms in VLSI: PR: EEE 3342C. 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.

EML 5937 Sect 01 ECS-Mechanical/Matrls/Aerosp 0(0,0)

ST: Mechanical and Aerospace Seminar: PR: Graduate Standing or C.I. The course is intended to help MAE graduate students practice public speaking, learn skills of scientific communication, expand their width of knowledge, and promote collaborations. *Occasional*.

30 of 30 character abbreviation: **ST: Mechanical and Aero Seminar**

Rationale: As UCF is quickly heading to a more research-focused university, the "soft skills" of our graduate students also urgently need to be enhanced. These soft skills include public speaking, skills of scientific communication, and width as well as depth of knowledge. This course is designed to provide such an opportunity for MAE graduate students to practise those skills and create a more research-friendly environment.

AGENDA NOTES: Course Addition also being proposed.

Tabled. The committee has asked whether a higher level prerequisite was available.

Engineering & Computer Science Course Action Additions

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

Modern EDA Algorithms in VLSI: PR: EEE 3342C. 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.

Tabled. The committee asked for clarification on the 0 credit hours. Received explanation. This will be reviewed at next meeting.

EML 5XXX ECS-Mechanical/Matrls/Aerosp 0(0,0)

Mechanical and Aerospace Seminar: PR: Graduate Standing or C.I. The course is intended to help MAE graduate students practice public speaking, learn skills of scientific communication, expand their width of knowledge, and promote collaborations. *Odd Spring.*

30 of 30 character abbreviation: **Mechanical & Aerospace Seminar**

Rationale: As UCF is quickly heading to a more research-focused university, the "soft skills" of our graduate students also urgently need to be enhanced. These soft skills include public speaking, skills of scientific communication, and width as well as depth of knowledge. This course is designed to provide such an opportunity for MAE graduate students to practise those skills and create a more research-friendly environment.

Majors taking course: Mechanical Engineering and Aerospace Engineering

AGENDA NOTES: Special Topic also being proposed.

EML 6XXXC ECS-Mechanical/Matrls/Aerosp 3(2,3)

Thermofluids Measurements and Instrumentation: PR: EML 4703, EML 3303C, EML 5152, EML 5060 or C.I.; not open to students that have credit for EAS 6807C. Surface pressure and shear measurements, hotwire anaemometry, heat transfer coefficient measurement, LDV, PDPA and PIV flow field measurements. *Occasional.*

30 of 30 character abbreviation: **Thermofluids Measurements Inst**

College of Education Special Topics

PET 7939 Sect 01 ED-Child, Family & Comm Sci 3(3,0)

ST:Exercise Biochemistry Techniques: PR: Admission to MS in Sport and Exercise Science--Applied Exercise Physiology track or the PhD in Education--Exercise Physiology track. A course in

laboratory instrumentation and methodologies for determining the composition of biological samples. Focuses on application and interpretation of methodologies. *Occasional*.

30 of 30 character abbreviation: **ST:Exercise Biochem Techniques**

Rationale: The Special Topics course request is being submitted to assure the availability to teach the course until the State assigns a course number with the CAR.

Discussion with others: No duplicate courses exist at UCF.

AGENDA NOTES: Course Addition also being proposed.

College of Education Course Action Additions

PET 7XXX ED-Child, Family & Comm Sci 3(3,0)

Exercise Biochemistry Techniques: PR: Admission to MS in Sport and Exercise Science--Applied Exercise Physiology track or the PhD in Education--Exercise Physiology track. A course in laboratory instrumentation and methodologies for determining the composition of biological samples. Focuses on application and interpretation of methodologies. *Occasional*.

27 of 30 character abbreviation: **Exercise Biochem Techniques**

Rationale: Exercise Biochemistry Techniques is a unique and specialized blended course, designed to provide students familiarity with sophisticated high tech biochemical analyses and equipment while developing an understanding of the applications and interpretations. This class is designed to give students the skills and knowledge they need to be prepared for and competitive in clinical and research positions upon graduation. While there are biochemistry and biochemical methods courses offered in other program areas at UCF, there are no duplicate or near duplicate courses at UCF. Exercise Biochemistry is a discipline in itself, specific to the Sports and Exercise Science program. Exercise Biochemistry differs from Biochemistry in that Exercise Biochemistry is a unique and specific discipline that bridges the gap between applied and more basic science. More specifically, evolving research in Sports and Exercise Science uses biochemical techniques to explore the mechanisms underlying physiological responses to various applied exercise interventions in diverse populations. This "bridge" is the basis of the discipline and the emphasis of the proposed course. In the proposed course students will learn about adaptations to exercise, how biological measures can be quantified, and what the measures mean for exercise performance or adaptations.

AGENDA NOTES: Special Topic also being proposed.

College of Education Course Action Deletions

Tabled. This course is a prerequisite for two other courses in Education. Additional paperwork from them will be forthcoming.

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*.

Effect on majors: -----11/13/2012: This course is a prerequisite for the following courses, which all will need course action revision forms; **LAE 5337 and LAE 5338.**

Health & Public Affairs Course Action Additions

SOW 6XXX HPA-Social Work 3(3,0)

Clinical Practice with Military and Veteran Families or Groups: PR: SOW 5149. Theoretical/practical approaches to clinical practice with military families and groups. Examines the demands of military service on family/group dynamic, composition and related issues. *Spring*.

30 of 30 character abbreviation: **Clin Pract Miltry&Vet Famlies**

Rationale: This course is required for the Military Social Work certificate and may also be used as a clinical elective in the MSW program.

Discussion with others: N/A - No duplication of courses has been found.

Majors taking course: Military Social Work Certificate

SOW 6XXX HPA-Social Work 3(3,0)

Understanding and Managing Combat Related Behavioral and Mental Health Disorders: PR: SOW 5149. Advances students' knowledge about the unique nature of trauma, PTSD and other mental health disorders as they relate to combat-exposed soldiers, veterans, their families and other military experiences. *Spring*.

30 of 30 character abbreviation: **Combat Related Mental Hlth Dis**

Rationale: Required for the Military Social Work certificate and may also be used as a clinical elective in MSW program.

Discussion with others: N/A - No duplication has been found.

Majors taking course: Military Social Work Certificate

College of Nursing Course Action Revisions

Tabled. Committee has requested the revision for this course as nothing was listed. Received explanation. Only change was from elective to required. This will be reviewed at next meeting.

NGR 7778L Advanced Leadership Selective for DNP 3(0,3)

PR: Admission to the Doctor of Nursing Practice, Executive Doctor of Nursing Practice track or C.I. Application of evidence-based management processes to support decision making in the health care environment. Graded S/U. May be used in the degree program a maximum of 2 times.

~~NGR 7779L~~ Program Development and Management for DNP 3(0,3)

NGR 7779C 3(1,2)

PR: Admission to the Doctor of Nursing Practice, Executive Doctor of Nursing Practice track or C.I. Application of inquiry, critical thinking and strategic planning skills related to project planning, management, evaluation and dissemination. Graded S/U. May be used in the degree program a maximum of 2 times.

Rationale: Reorganizing the plan of study to be consistent with the MSN to DNP track.

College of Sciences Course Action Revisions

COM 6304 ~~Quantitative Research Methods in Interpersonal Communication~~ 3(3,0)

Quantitative Research Methods in Communication

PR: Admission to Communication MA ~~or program consent~~ program or C.I.

~~Examination of quantitative methods in interpersonal communication. Topics include experimental research design, sampling procedures, and introduction to data analysis.~~

Examination of quantitative methods in communication. Topics include experimental research design, sampling procedures, survey design, content analysis, and introduction to data analysis.

28 of 30 character abbreviation: **Quantitative Research in Com**

Rationale: We want to eliminate the "Mass" and "Interpersonal" designations for this course since students in both the Mass Communication and the Interpersonal Communication track will be required to take the course. Since MMC 6445 and COM 6304 cover the same material, we wanted to streamline our course offerings and also make advising easier by telling students from both tracks to take COM6304 rather than directing them to different courses.

Majors taking course: Communication MA

Engineering & Computer Science Course Action Revisions

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

PR: EEE 3342C or C.I.

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

TABLED. Clarification requested on why these fees should be materials and supplies fees instead of 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

EAS 6807C Aerospace Measurements Instrumentation 3(2,3)

PR: EAS ~~EML 5713, EML 5152, or C.I. 4134~~, EAS 3800C, EAS 6507, EML 5060, or C.I.; not open to student who have credit for EML 6XXXC (Thermofluids Measurements and Instrumentation).

Inertial instruments (i.e.; gyros, accelerometers), thermal, fluid, optical sensors and actuators, for space and aerodynamic applications.