

# UCF Graduate Council

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## CURRICULUM COMMITTEE MINUTES

### Minutes of February 04, 2013 meeting

#### Members Present

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

#### Recorder

Rhonda Nelson

#### Guests Present

Alain Kassab, Linda Sullivan, Ahmad Elshennawy, Ranetta Guinn, Mary Ann Feldheim, Roanne Brice

#### Files

[2013-02-04 Course Action Requests 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 MA Ed Leadership-Higher Ed/Student Personnel track, CED.** Roanne Brice was present to give a summary of the changes to this track. The request was to add EDH 6105 as an option in the program of study. All other courses will be retained. This request received unanimous approval from the committee.

**Name change to the MS Sport.Exer.Science-Coaching and Sport Admin. track, CED.** Roanne Brice presented the changes to this track. The department has requested to change the name of the track from Coaching and Sport Administration to just Coaching. Dr. Brice indicated that they are only offering a science based coaching program. After reviewing the track description, the committee requested that the second sentence in the description be removed to provide better clarification. This request received unanimous approval with the changes as listed.

**Revisions and name change to the CNS Adult-Gero graduate certificate, CON.** Julee Waldrop presented the changes to the certificate. The prerequisite hours were changing to 15. The required courses from 22 to 18. The name of the certificate would be changing to Clinical Nurse Specialist Adult-Gerontology. There were some errors in the numbering and course title. Dr. Waldrop will provide a corrected copy. These changes received unanimous approval with changes as indicated.

**Revisions to the MSN-Nurse Educator track, CON.** Julee Waldrop summarized the changes to this track. No students for fall 2013. Courses changes were requested to the required education courses and total hours changed from 41 to 38. These changes received unanimous approval from the committee with the corrections as listed.

**Addition of a graduate certificate in Fundraising, COHPA.** This request was the addition of a graduate certificate in Fundraising. Mary Ann Feldheim gave a summary of this new 18 hour credit certificate. This certificate will be for students interested in obtaining a specialization in the field of fundraising and development. This certificate received unanimous approval.

#### Revisions to the MS Aerospace Engr program, CECS

- Space Systems Design & Engineering track
- Thermofluids Aerodynamic Systems Design & Engr track
- Accelerated BS to MSAE track

#### Revisions to the MS Mechanical Engineering Program, CECS – ALL APPROVED

- Mechanical Systems track
- Thermofluids track
- Accelerated BS to MSME track

Alain Kassab presented the changes to both programs. A graduate seminar course was added to all 6 tracks. A question was raised on why the 0 credit hours for the graduate seminar. This course will be used to meet the RCR ethics requirement. Dr. Poole indicated that a tracking mechanism would need to be in place. A question was also raised on whether they would be able to meet the objectives of this course. A suggestion was that the course may have to be broken up into 2 sections. These revisions received unanimous approval from the committee.

**Revisions to the PhD in Mechanical Engineering, CECS.** A graduate seminar was added to this program. No other changes. This revision received unanimous approval from the committee.

**Revisions to the PhD Industrial Engineering, CECS.** Dr. Elshennawy presented the changes. The department was requesting one course change to the core and the removal of the specialization areas. The committee asked that the reference to the groups be removed and to use the title only for each section. The revisions received unanimous approval from the committee.

**Revisions to the MS in Industrial Engineering, MSIE, CECS.** Dr. Elshennawy shared that the required hours were changing from 18 to 12 with 18 hours of electives. The committee asked that the reference to the groups be removed and to use the title only for each section. This revision received unanimous approval from the committee with the changes as indicated.

**Revisions to the MS Industrial Engineering, CECS.**

- Accelerated BS to MS revisions
- Human Systems Engr/Ergo track inactivation
- Interactive Sim & Training Systems track inactivation
- Quality Systems Engineering track inactivation
- Systems Engineering track inactivation
- Systems Operations and Model track inactivation

Dr. Elshennawy shared that there would be course revisions to the MS and the inactivation of 5 tracks. The accelerated track will remain with changes to the UG curriculum only. The committee asked that the reference to the groups in the catalog be removed and to use the title only for each section. These revisions received unanimous approval from the committee with the changes as indicated.

**Courses and special topics.** See the attached course minutes for outcome of all courses reviewed.

Cellular and Molecular Neuroscience split class, COM. Clarification was requested on the assignments. Questions were raised about the weighting of the graduate and undergraduate tasks. The committee was not able to make a clear rationale for the differences. Dr. Zervos also indicated that additional clarification on the courses was needed regarding the differences between the syllabi. This course was tabled and will be brought back once additional information has been received.

**Adjournment.** The meeting was adjourned at 1:15 p.m.

## **Graduate Council Curriculum Committee** **Course Minutes for 02-04-2013**

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

### **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.*

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

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

**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.*

**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. May be repeated. *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.*

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

**CCE 5815** ECS-Civil, Envir & Const Eng 4(4,0)

**Mechanical and Electrical Systems for Buildings:** PR: C.I. This course covers the design and construction of mechanical and electrical systems for buildings. Research paper required. *Occasional.*

Rationale: This course is a duplicate of CCE 4813.

Effect on majors: -----1/11/2013: This course is not used as a prerequisite.

**CEG 5015** ECS-Civil, Envir & Const Eng 3(3,0)

**Geotechnical Engineering II:** PR: CEG 4011C. Continuation of CEG 011C with emphasis on shear strength and design factors for earth pressures, bearing capacity, and slope stability. *Occasional.*

Rationale: Is a duplicate of CEG 4012.

Effect on majors: -----1/11/2013: This course is a prerequisite for the following courses, which all will need course action revision forms; CEG 6115, CEG 6317

**CGN 5320C** ECS-Civil, Envir & Const Eng 3(2,2)

**Geographic Information systems:** Programming theory and application of Geographic Information Systems to Civil Engineering projects. *Occasional.*

Rationale: Course has not been taught in the last 10 years.

Effect on majors: -----1/11/2013: This course is not used as a prerequisite.

### **College of Education Special Topics**

**EEX 6938** Sect 01 ED-Child, Family & Comm Sci 3(3,0)

**ST:Diagnostic Assessment and Intervention Planning in Exceptional Education:** PR: Graduate standing or C.I. This course develops advanced instructional and intervention planning and decision-making knowledge and skills using school and classroom-based instructional data in reading and mathematics. *Occasional.*

30 of 30 character abbreviation: **ST:Diagnos Assess & Interventi**

Rationale: This course will be offered in Summer 2013 as part of the new Intervention Specialist certificate program. The Special Topics course is needed to ensure that we can offer the course until the permanent course can be assigned the state number.

Discussion with others: No duplications or conflicts exist.

Majors taking course: The new course will be offered as part of the new Intervention Specialist certificate program.

*AGENDA NOTES: Course Addition also being proposed.*

**Check PR**

**EDG 5937 Sect 01 ED-Teach, Learn & Leadership 3(3,0)**

**ST:Instructional Coaching:** PR: Students with senior standing OR graduate student standing. This course will prepare educators to become instructional coaches, developing skills and methods to impact student achievement by influencing teachers' instructional practices. *Occasional*.

30 character abbreviation: **ST:Instructional Coaching**

**Discussion with others:** Several measures were taken to ensure that no course duplication or conflicts are possible with this course. First, Enrique Puig, a well-known University of Central Florida professor and leader in the field of coaching, was able to confirm that there is no conflict regarding this course. Also, the University of Central Florida Modern Languages department was able to confirm that the course does not conflict with their courses. Finally, a search online for conflicts yielded no duplications or conflicts pertaining to this course.

*AGENDA NOTES: Course Addition also being proposed.*

**College of Education Course Action Additions**

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

**Diagnostic Assessment and Intervention Planning in Exceptional Education:** PR: Graduate standing or C.I. This course develops advanced instructional and intervention planning and decision-making knowledge and skills using school and classroom-based instructional data in reading and mathematics. *Occasional*.

29 of 30 character abbreviation: **Diagnos Assess & Intervention**

**Rationale:** The course will be offered as part of the new Intervention Specialist certificate program.

**Majors taking course:** The new course will be offered as part of the new Intervention Specialist certificate program.

*AGENDA NOTES: Special Topic also being proposed.*

**Check PR**

**SPS 5XXX ED-Educational & Human Sci 3(3,0)**

**Building and Improving Relationship and Emotional Intelligence:** PR: C.I. Students will learn to develop and improve relational and emotional intelligence and demonstrate an understanding of social emotional learning and how it enhances psychosocial wellbeing. *Odd Spring*.

30 of 30 character abbreviation: **Building & Improving Relations**

**Rationale:** Currently, the program requires students to take and pass the following two courses: SPS 6703 Child and Adolescent Deviant Behavior and Treatment (3 credit hours) and SPS 6175 Cultural Diversity and Nonbiased Assessment (3 credit hours). These courses emphasize a negative perspective in school psychology. Contemporary psychology encourages a positive perspective regarding individual development and differences. In order to offer students a balanced dual-factor model (positive and pathological) approach to individual development and differences, we are proposing adding two more specialized courses and offering students the opportunity to choose two courses from among these four courses for the required 6 semester hours of credit: SPS 6703 and SPS 6175 as well as SPS 5XXX Enhancing Individual and Student IQ (3 credit hours) and SPS 5XXX Building and Improving Relationship and Emotional Intelligence (3 credit hours). These latter two courses will offer students an opportunity to

understand and promote individual development and differences from a dual-factor model of mental health.

Majors taking course: School Psychology

**Check PR.**

**SPS 5XXX ED-Educational & Human Sci 3(3,0)**

**Enhancing Individual and Student IQ:** PR: C.I. Students will understand IQ malleability and methods of enhancing IQ. Students will analyze acquisition of knowledge gained from methods of scientific inquiry regarding individual differences. *Even Spring.*

28 of 30 character abbreviation: **Enhancing Indiv & Student IQ**

Rationale: Currently, the program requires students to take and pass the following two courses: SPS 6703 Child and Adolescent Behavior and Treatment (3 credit hours) and SPS 6175 Cultural Diversity and Nonbiased Assessment (3 credit hours). These courses emphasize a negative perspective in school psychology. Contemporary psychology encourages a positive perspective regarding individual development and differences. In order to offer students a balanced dual-factor model (positive and pathological) approach to individual development and differences, we are proposing adding two more specialized courses and offering students the opportunity to choose two courses from among these four courses for the required 6 semester hours of credit: SPS 6703 and SPS 6175 as well as SPS 5XXX Enhancing Individual and Student IQ (3 credit hours) and SPS 5XXX Building and Improving Relationship and Emotional Intelligence (3 credit hours). These latter two courses will offer students an opportunity to understand and promote individual development and differences from a dual-factor model of mental health.

Majors taking course: School Psychology

**Check PR**

**EDG 5XXX ED-Teach, Learn & Leadership 3(3,0)**

**Instructional Coaching:** PR: Students with senior standing OR graduate student standing. This course will prepare educators to become instructional coaches, developing skills and methods to impact student achievement by influencing teachers' instructional practices. *Occasional.*

30 character abbreviation: **Instructional Coaching**

Rationale: The National Council on Teacher Quality (2012) found that in a typical school year teachers make approximately 11,000 important decisions regarding the instruction students receive. Research suggests that site based instructional coaches (sometimes referred to as reading or literacy coaches) can positively impact student success by influencing the instructional practices of teachers (Knight, 2007; Joyce & Showers, 1982; Coskie & Robinson, 2004). Instructional coaches are typically federally funded positions that are generally populated by highly skilled teacher

Discussion with others: Several measures were taken to ensure that no course duplication or conflicts are possible with this course. First, Enrique Puig, a well-known University of Central Florida professor and leader in the field of coaching, was able to confirm that there is no conflict regarding this course. Also, the University of Central Florida Modern Languages department was able to confirm that the course does not conflict with their courses. Finally, a search online for conflicts yielded no duplications or conflicts pertaining to this course.

*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 Special Topics**

**PAD 6938 Sect 01 HPA-Public Administration 3(3,0)**

**ST:Ethics and Governance in Philanthropy:** PR: Admission to Nonprofit Management degree or certificate program or Fundraising certificate program. Fundamental issues and current smart practices of nonprofit organization governance in a contest of ethical and accountable decision making. Includes board and leadership development and role of volunteers. *Occasional.*

30 of 30 character abbreviation: **ST:Ethics & Govern Philanthrop**

Rationale: Core course in new Graduate Certificate in Fundraising

Discussion with others: N/A

Majors taking course: Newly developed Graduate Certificate in Fundraising.

*AGENDA NOTES: Course Addition also being proposed.*

**PAD 6938 Sect 01 HPA-Public Administration 3(3,0)**

**ST:Fundraising as a Profession:** PR: Admission to Nonprofit Management degree or certificate program or Fundraising certificate program or CI. Examines principles involved in fundraising profession including current trends and best practices utilized by professional fundraisers. Topics include donor research, psychology of giving and volunteer involvement. *Occasional.*

30 character abbreviation: **ST:Fundraising as a Profession**

Rationale: Core course in new Graduate Certificate in Fundraising

Discussion with others: N/A

Majors taking course: Newly developed Graduate Certificate in Fundraising

*AGENDA NOTES: Course Addition also being proposed.*

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

**PAD 6XXX HPA-Public Administration 3(3,0)**

**Ethics and Governance in Philanthropy:** PR: Admission to Nonprofit Management degree or certificate program or Fundraising certificate program. Fundamental issues and current smart



practices of nonprofit organization governance in a contest of ethical and accountable decision making. Includes board and leadership development and role of volunteers. *Fall*.

28 of 30 character abbreviation: **Ethics & Govern Philanthropy**

Rationale: This is a core course in the proposed Graduate Certificate in Fundraising.

Discussion with others: N/A

Majors taking course: Newly developed Graduate Certificate in Fundraising.

*AGENDA NOTES: Special Topic also being proposed.*

**PAD 6XXX HPA-Public Administration 3(3,0)**

**Fundraising as a Profession:** PR: Admission to Nonprofit Management degree or certificate program or Fundraising certificate program. Examines principles involved in fundraising profession including current trends and best practices utilized by professional fundraisers. Topics include donor research, psychology of giving and volunteer involvement. *Spring*.

30 character abbreviation: **Fundraising as a Profession**

Rationale: This is a required course in the proposed Graduate Certificate in Fundraising

Discussion with others: N/A

Majors taking course: Newly developed Graduate Certificate in Fundraising

*AGENDA NOTES: Special Topic also being proposed.*

**PAD 6XXX HPA-Public Administration 3(3,0)**

**Philanthropy, Fundraising and Social Entrepreneurship:** PR: Admission to Nonprofit Management degree or certificate program or Fundraising certificate. History of philanthropy, principles of fundraising, role of professional fundraiser and emerging strategy of social entrepreneurship. *Occasional*.

30 of 30 character abbreviation: **Philanthropy Fund & Soc Entrep**

Rationale: Course is required for proposed Graduate Certificate in Fundraising

Discussion with others: The course is currently being offered as a special topics in the School of Public Administration. There are no conflicts or duplications with other departments.

Majors taking course: Newly developed Fundraising Graduate Certificate program.

**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

**Rosen College Hospitality Mgmt Course Action Additions**



**HFT 6XXX RCHM-Tourism, Events & Attract 3(3,0)**

**Mega-Events:** PR: HFT 6797. The organization and administration of mega-events. The tourism impacts of the events on the destinations that host them. *Occasional*.

30 character abbreviation: **Mega-Events**

Rationale: The Rosen College of Hospitality Management will be proposing a nine credit hour graduate certificate in Event Management. At present, there are only two event related courses in the graduate curriculum. This course may be the required third course in the certificate.

Discussion with others: Dr. Richard Lapchick, Director of the MBA in Sport Management, supports this course offering.

Majors taking course: Hospitality

**College of Business Adm Course Action Revisions**

**MAN 6245 Organizational Behavior and Development 3(3,0)**

PR: CBA master's program of study foundation ~~core~~ core or C.I.

The analysis of human behavior in organizations in terms of the individual, small group, intergroup relationships, and the total organization.

**College of Nursing Course Action Revisions**

**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. Only change was switching course from elective to required.

**Engineering & Computer Science Course Action Revisions**

**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

**EML 5271 Intermediate Dynamics 3(3,0)**

PR: ~~EML 3321~~. PR: EGN 3321 or EML 3217.

Dynamics of particles, rigid bodies, and distributed mass systems. Topics include: Hamilton's principle, Lagrange's equations, numerical methods, and mechanisms.

Rationale: PR update

**College of Education Course Action Revisions**

**Tabled.** Clarification regarding the number of times the course can be used.

**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.