

Minutes
Graduate Council Curriculum Committee
March 7, 2018
2:30 p.m., Millican Hall 395E

Members Present: Kerry Purmensky, Jennifer Sandoval, Diane Andrews, Joshua Troche, Elsie Olan, Art Weeks, Steven Ebert, Cheyenne Ro, Terrie Sypolt

Administrators and Guests Present: Devon Jensen, Ross Wolf, Brandy Pieper, Mostafa Bassiouni, Ahmad Elshennawy, James Campbell, Mason Cash, Thomas Dolan, Mary Ann Feldheim, Ann Shillingford-Butler, Eleazar Vasquez, Andrea Vasquez, Andrea Withington

Welcome and call to order. Dr. Purmensky, chair, called the meeting to order at 2:31p.m. and welcomed the committee and guests. A quorum was established. The minutes (curriculum, course) from the February 21, 2018 meeting were reviewed and approved.

Announcements

Dr. Purmensky announced that today is the Committee's last meeting and thanked the Committee for their hard work and dedication this past year. The minutes from this meeting will be emailed to the Committee for approval in order to close out this year.

Addition of CGS Masters of Cognitive Sciences effective Fall 2019.

Dr. Mason Cash presented the new degree program proposal. The program is interdisciplinary and the expectation for student demand is high. The program agreed to edit the Language and Communication section of coursework as it was noted that a few courses listed are no longer taught. The program will also review the other course sections to ensure the course list is up to date. The program addition received unanimous approval.

Addition of CECS Aerospace Engineering PhD effective Fall 2019.

Dr. Mostafa Bassiouni presented the new degree program proposal. The undergraduate population of aerospace engineering students is very high and currently they only have the option for a mechanical engineering doctoral program at UCF. The creation of this degree program will help to meet the needs of this large student population. The program addition received unanimous approval.

Revision of CECS Engineering Management MSEM effective Summer 2018.

Dr. Ahmad Elshennawy explained the revision is to add EIN 6182 as required (concentration) course and EIN 6950 capstone course. This revision will make the capstone course consistent across the three degrees (Industrial Engineering MS and MSIE) in the department. The program revision received unanimous approval.

Revision of CAH English MA- Technical Communication Track effective Summer 2019.

Dr. James Campbell explained the revision is to remove ENC 5337 from required courses and replace it with choice of: ENC 6338 or LIT 6435. The program revision received unanimous approval.

Revision of COS Political Science MA effective Summer 2018.

Dr. Thomas Dolan explained the revision is to clarify which courses can be used as electives in the program. The program revision received unanimous approval.

Reactivation of COHPA Nonprofit Management Graduate Certificate- Out of State Cohort Track effective Fall 2018. There are no curricular changes.

Dr. Mary Ann Feldheim explained that reactivating the Out of State track will give students who are not yet ready for the Master's program an option to enroll in the certificate. The certificate is housed in regional campuses and is taught online. The program reactivation received unanimous approval.

Revision of CEHP Education PhD- Counselor Education Track effective Fall 2018.

Dr. Ann Shillingford-Butler explained the revision is to: reduce IDS 7500 from 6 hrs to 3 hrs, add EDF 6401, change the name of MHS 7311 to Professional Scholarship and Grant Writing, and add new course Advanced Multicultural Counseling. It was clarified that the courses that are crossed out on page one of the form are being removed from this program's curriculum but the courses are not being deleted. The program revision received unanimous approval.

Inactivation of CEHP Severe or Profound Disabilities Graduate Certificate effective Fall 2018.

Dr. Eleazar Vasquez explained the inactivation is based on the State removing the requirement for teachers of students with severe or profound disabilities to earn a state endorsement which this certificate satisfied. With the removal of the requirement, admission has declined. The program inactivation received unanimous approval.

Courses and Special Topic.

To review the list of approved courses, please see the attached course minutes.

Adjournment.

The meeting adjourned at 3:10p.m. This is the last meeting of the Spring semester.

Course Minutes- March 7, 2018

All course actions were approved with no edits.

1. Course Additions

College of Engineering and Computer Science Course Additions

EAS 6XXX **CECS-MECH/AERO** **3(3,0)**

Multidisciplinary Optimization Under Uncertainty: PR: EML 5060 or C.I. Formulation of design objectives as optimization problems. Application of optimization techniques to design. Surrogate techniques for analytical and experimental optimum engineering design. Applications to project. *Even Fall.*

Abbrev: (29 of 30 chars) MDO Under Uncertainty in Aero

Rationale: Multidisciplinary optimization and uncertainty quantification are key elements in areas like engineering design, manufacturing, and service of industrial equipment with applications in aviation, transportation, power generation. The course will support the new Aerospace Engineering PhD program.

Majors taking course: Aerospace Engineering Graduate program

EAS 6XXX **CECS-MECH/AERO** **3(3,0)**

Estimation of Dynamical Systems in Aerospace Engineering: PR: EML 5271, EML 5060 or C.I. Concepts of parameter estimation, probability concepts in estimation and estimation of dynamical systems relevant to aerospace systems applications. *Odd Fall.*

Abbrev: (28 of 30 chars) Estimation Dynamical Systems

Rationale: This course will address the computation of the best estimates of a dynamical system's actual behavior from the available measurements and the system model relevant to aerospace systems. The course will support the new Aerospace Engineering PhD program.

Majors taking course: Aerospace Engineering Graduate Program

EAS 6XXX **CECS-MECH/AERO** **3(3,0)**

Non-Destructive Evaluation of Aero-structures: PR: Overview of methods employed for non-destructive evaluation of structures in the context of damage tolerant analysis. EAS 4200 or EML 5237 *Odd Spring.*

Abbrev: (22 of 30 chars) NDE of Aero Structures

Rationale: Emphasis will be on inspection methods such as X-ray, ultrasonics, eddy currents, penetrants, magnetic flux, and visual methods employed to ensure structural integrity of aerospace vehicles, and a broad class of high performance structures. The course will support the new Aerospace Engineering PhD program.

Majors taking course: AE and ME Graduate Program majors

EAS 6XXX **CECS-MECH/AERO** **3(3,0)**
Structural & Dynamic Stability: PR: EML 5237, EML 5271. Concepts of and analysis methods for elastic and dynamic stability and associated bifurcations, including for high strain rates and structures with multiple stable equilibria. *Even Spring.*
Abbrev: (30 of 30 chars) Structural & Dynamic Stability
Rationale: The course covers fundamental concepts of elastic and dynamic stability to enable engineers to conduct a buckling analysis of standard engineering structures and know how to apply modern tools to predict stability of more advanced structures. The course will support the new Aerospace Engineering PhD program.
Majors taking course: AE and ME Graduate Program majors

EAS 7XXX **CECS-MECH/AERO** **1-99(1-99,0)**
Dissertation: PR: Candidacy status. Dissertation *Spring, Summer, Fall.*
Abbrev: (12 of 30 chars) Dissertation
Rationale: To provide Dissertation credits as part of the Aerospace PhD requirements

2. Special Topics Additions

College of Education and Human Performance Special Topics Additions

EDF 7939 **ED-CFCS** **3(3,0)**
Mixed Methods Research in Education: PR: Students are expected to have completed a foundational masters-level research course. This course provides a doctoral-level introduction to mixed methods research methods and methodology design and its implementation for educational contexts. *Occasional.*
Abbrev: (30 of 30 chars) ST: Mixed Methods Rsrch in Edu
Discussion with others: No duplications at this time.
Rationale: Previously, a master's level course (EDF 6464) focused on master's level students research needs in service learning contexts. However, we need a doctoral level course in mixed methods research (MMR) to prepare our doctoral students for their research and dissertations. Since the 2000's, MMR has evolved to include specific approaches, typologies, and terminology beyond those of the individual quantitative and qualitative fields. Students completing this course will produce better quality MMR studies, publications and dissertations.

PET 5937 **ED-E&HS** **3(3,0)**
Physical Activity and Nutritional Epidemiology: PR: Admission to Sport and Exercise Science MS. Interaction of physical activity and nutrition with disease, as well as epidemiological methods and analysis techniques used to examine these behaviors. *Occasional.*
Abbrev: (28 of 30 chars) ST: Phys Activ & Nutr Epidem
Discussion with others: The department chair of Health Management and Informatics has been emailed to insure that there is no conflict between the proposed course and their current course:

HSC 4500 Epidemiology. In a comparison of the two course syllabi, there does not appear to be any conflict.

3. Course Revisions

College of Education and Human Performance Course Revisions

~~Professional Issues in Counselor Education II~~

MHS 7311

3(3,0)

Scholarship and External Funding in Counselor Education

PR: ~~MHS 7700 or C.I. Admission into UCF's Counselor Education PhD program. Advanced emphasis~~ Emphasis on the major roles, responsibilities, review processes and activities of counselor educators, including a variety of techniques in teaching, research, consultation, grants, advocacy, grant writing for State and counseling. Federal agencies, as well as Private Foundations.

Abbrev (27 of 30): ~~Prof Issues in Couns Educ Sch and Ext Fund Couns Educ~~

Rationale: This course is being revised to address updated accreditation standards and better identify the content/objectives of the course through the name. There are no programs that list MHS 7311.

MHS 7700

~~Professional Issues in Counselor Education—3(3,0)~~ Literature and Leadership in Counselor Education

PR: Admission to PhD program in Education--Counselor Education track.
~~Emphasis on professional issues related to counselor education including teaching, research, current trends, leadership development, and service.~~ consultation in Counselor Education.

Abbrev (25 of 30): ~~Prof Issues in Counselor Educ Lit and Lead in Coun Educ~~

Term Offered: ~~Spring Fall~~

Rationale: This course is being revised to address updated accreditation standards and better identify the content/objectives of the course through the name. There are no programs that list MHS 7700.

~~Mixed Methods for Evaluation in Educational Settings~~

EDF 6464

3(3,0)

EDF 7XXX

Mixed Methods Research in Education

PR: EDF 6401 and EDF 6481 or C.I. Students are expected to have completed a foundational masters-level research course.

~~This service learning course will examine component~~ provides a doctoral-level introduction to mixed methods research methods and integrated mixed method designs toward developing a

