

UCF Graduate Council

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CURRICULUM COMMITTEE MINUTES

Minutes of October 15, 2008 meeting

Members Present Ram Mohapatra, Max Poole, Tison Pugh, Martin Richardson, Art Weeks

Recorder Rhonda Nelson

Guests Present Michael Johnson, Graham Worthy, Maria Cox, Randy Finch, Jeff Kaplan, Jose' Maunez-Cuadra, Dan Britt, Gerald Smith

Files [2008-10-15 Course Action Minutes](#) 

Welcome and call to order. The meeting was called to order at 11:30 by Ram Mohapatra, chair. A quorum was established.

Minutes. The minutes of the September 17 meeting were approved.

Tabled at last meeting: Addition of Planetary Sciences tracks to the MS and PHD in Physics. Dan Britt shared the curriculum schedule with the committee on both the MS and PhD tracks. The committee reviewed this information and asked questions regarding the curriculum. A question was raised on whether there were adequate 6000 level courses to meet the 6000 level requirement. There was another question raised regarding the electives. The committee requested that a statement be added to the PhD requirements that indicated that the 15 hours of electives would be regular coursework. This proposal was unanimously approved with one modification.

Suspension of the MS in Statistical Computing, Actuarial Science track. Dr. Johnson reported on this. He shared that this was a small track and they were requesting to suspend this due to budgetary reasons. They were losing two of the four faculty. This suspension would have no effect on the remaining faculty as their efforts will be redirected. The remaining faculty will be able to graduate the students that are currently enrolled in the track as they move as a cohort. This suspension received unanimous approval.

Revisions to the MFA in Film and Digital Media, Visual Language and Interactive Media track, CAH. Jose Maunez-Cuadra presented the revisions to this program. He reported that they are requesting to increase the number of required hours (21 to 32) and decreasing the number of electives (21 to 18) and a decreased number of thesis hours (18 to 10). They will still require the GRE in both MA and MFA. There was some confusion regarding the two versions of copy and the committee asked for clarification regarding which version should be used. Dr. Maunez-Cuadra asked that both versions be sent to him and he would get clarification. This proposal was tabled by the committee until further clarification.

Revisions to the MA in English Language Arts Education, COE. Maria Cox presented the revisions to this program. The department requested to reduce the hours from 45 to 36, make course revisions, and to modify the title of the program by adding the wording with ESOL Endorsement. The committee indicated that the word electives be deleted from the heading Elective Specialization Courses - 15 credit hours. This proposal received unanimous approval with edits.

Courses and special topics.

Advanced Observational Astronomy. The committee reviewed this course and requested further clarification on the differences in the 4000 and 5000 level syllabi. This course was tabled pending more detail in the syllabi to show more rigor, additional projects at the graduate level, and differences in the grading scheme.

Planetary Geophysics. This course which will be a split class with 4000 level was approved by the committee.

Additional courses changes: the committee suggested that a prerequisite be added to MAE 6938 or add the wording of "graduate standing or C.I." LAE 5295: - delete wording "may include teaching small groups of students." Physical Therapy II – discussion was held on this course and the committee suggested that the course description be reworded more like the original for clarification. The courses were approved with modifications.

Please refer to the attachment at the top of this page for a complete list of the minutes for the courses and special topics.

Announcements and adjournment. The meeting was adjourned at 1:05 p.m. The next meeting will be October 29, 2008, 11:30, MH 243.

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Graduate Curriculum Committee **Course Minutes 10-15-08**

See notation below for courses approved or tabled. Any course listed as approved, tabled or withdrawn refers to the course directly below the notation. Any changes made to the courses are highlighted in blue.

College of Arts & Humanities Special Topics

Approved

FIL 6938 Sect 01 CAH-Film Program 3(3,0)

ST:Film Screenplay Refinement: PR: Admission to MFA Film & Digital Media/Entre Dig Cin track and [FIL 5419](#), or C.I. Refining a feature film script into an effective, compelling, easy to read, and "marketable" shooting script that forms the foundation for thesis film production. May be used in the degree program a maximum of 3 times.

30 character abbreviation: **ST:Film Screenplay Refinement**

AGENDA NOTES: Course Addition also being proposed.

College of Medicine Special Topics

Tabled

MCB 5937 Sect 01 COM-Molecular & Microbiology 1(1,0)

ST: Industrial Perspectives Seminar: PR: Biotechnology M.S. students. Learning concepts of basic research and drug development in the pharmaceutical industry and a technical presentation.

30 character abbreviation: **ST: Industrial Persp Seminar**

AGENDA NOTES: Course Addition also being proposed.

College of Sciences Special Topics

Tabled

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

ST: Sparse Representations: PR: MAA 5210 and MAS 5145, or, STA 6326 and STA 6329, or CI. Approximation theory, nonparametric regression, classification and learning theory.

30 character abbreviation: **ST: Sparse Representations**

College of Education Special Topics

Approved

MAE 6938 Sect 01 ED-Teaching & Learning Princ 3(3,0)

ST:Teaching Advanced Mathematics: [ADD prereq. MAE 6337, or MAE 6338, or MAE 6656, or C.I.](#) This course provides a foundation in the teaching and learning of advanced mathematics courses. Appropriate pedagogical strategies for the high school mathematics content are considered.

30 character abbreviation: ST:Teaching Advanced Math

Health & Public Affairs Special Topics

Approved

PHT 7939C Sect 01 HPA-Health Professions 2(2,1)

ST:Physical Therapy Integration II: PR: PHT 7722C - Physical Therapy Integration I.

This course focuses on examinations and interventions for the evaluation and treatment of the spine. Various theoretical models explored. Case studies are used for integration of clinical information. 30 character abbreviation: **ST:Physical Therapy Integratn**

AGENDA NOTES: Course Addition also being proposed.

College of Arts & Humanities Course Action Additions

Approved

FIL 6XXX CAH-Film Program 3(3,0)

Film Screenplay Refinement: PR: Admission to MFA Film & Digital Media/Entre Dig Cin track and [FIL 5419](#), or C.I. Refining a feature film script into an effective, compelling, easy to read, and "marketable" shooting script that forms the foundation for thesis film production. May be used in the degree program a maximum of 3 times.

30 character abbreviation: **Film Screenplay Refinement**

AGENDA NOTES: Special Topic also being proposed.

College of Medicine Course Action Additions

Tabled

MCB 5XXX COM-Molecular & Microbiology 1(1,0)

Industrial Perspectives Seminar: PR: Biotechnology MS Students. Learning concepts of basic research and drug development in the pharmaceutical industry and technical presentation.

30 character abbreviation: **Industrial Persp Seminar**

AGENDA NOTES: Special Topic also being proposed.

College of Sciences Course Action Additions

Approved

BSC 5XXX COS-Biology 3(3,0)

Marine Conservation Biology: PR: BSC 4312C Marine Biology, graduate standing, or CI. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats.

30 character abbreviation: **Marine Conservation Biology**

Tabled – requested additional clarification between 4000 and 5000 level split classes to show differences in grading and more rigor in assignments.

AST 5XXX COS-Physics 3(3,0)

Advanced Observational Astronomy: PR: Graduate standing in the Physics department or in another department with CI. Experimental design and experimental techniques in astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; error analysis.

30 character abbreviation: **Adv Observational Astronomy**

Approved. Split class.

AST 5XXX COS-Physics 3(3,0)

Advanced Planetary Geophysics: PR: Admission to Physics MS or PhD or CI. The physics of planetary evolution, planetary interiors, and planetary surface processes.

30 character abbreviation: **Planetary Geophysics**

Tabled. Department requests to change course to 5000 level.

PHY 6XXXC COS-Physics 3(2,2)

Theory and Computations of Molecular Wavefunctions: PR: Undergraduate Quantum Mechanics or Physical Chemistry or C.I. Approximate method of solving electronic Schrodinger equation for molecular systems: Hartree-Fock and semiempirical methods, basis sets, multireference wavefunction theory methods, potential surfaces, electronic transitions.

30 character abbreviation: **Molecular Wavefunction Theory**

AGENDA NOTES: Special Topic also being proposed.

Engineering & Computer Science Course Action Additions

Tabled

COP 6XXX ECS-Computer Science 3(3,0)

Network Optimization: PR: Graduate standing. Recent advances in theory and computational techniques for optimal design and analysis of large networks for computers communications, and transportation including Internet and WWW complex networks

30 character abbreviation: **Network Optimization**

Health & Public Affairs Course Action Deletions

Approved

PHT 5118 HPA-Health Professions 2(2,0)

Gross Anatomy/Neuroscience II: PR: PR Gross Anatomy/Neuroscience I and Lab; CR Gross Anatomy Neuroscience II Lab. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, and the internal organs.

Approved

~~PHT 6723C~~ Physical Therapy Integration II 2(2,1)

~~PHT 7XXXC~~

~~PR: PR: PHT 7722C - Physical Therapy Integration I.~~

~~Focus on examinations and interventions for the evaluation and treatment of the spine. Various theoretical models explored. Case studies used for integration of information.~~

New wording for description: This course focuses on examinations and interventions for the evaluation and treatment of the spine. Various theoretical models explored. Case studies are used for integration of clinical information.

Materials & Supply Fee: \$15.00

30 character abbreviation: **Physical Therapy Integratn II**

AGENDA NOTES: Special Topic also being proposed.

College of Optics & Photonics Course Action Deletions

Approved

OSE 5050 OPT-Optics 3(3,0)

Fundamentals and Applications of Photonics: PR: Graduate standing or C.I. Introduction to optics and photonics emphasizing the concepts governing applications of current interest for science and engineering senior and first-year graduate students and working scientists and engineers.

Approved

OSE 5051L OPT-Optics 3(1,4)

Electro-Optics Laboratory: PR: EEL 4440 or OSE 5041 or C.I. Study of laboratory techniques for optical measurements and performance of measurements on electro-optic devices to determine operational characteristics.

Approved

OSE 5511 OPT-Optics 3(3,0)

Laser Principles: PR: PHY 3101, MAP 2302, PHY 4424, graduate status or senior standing, or C.I. Classical introduction to the basic principles of laser gain media, properties of resonators and modes, description of specific laser systems.

Approved

OSE 6528 OPT-Optics 3(3,0)

Specific Laser Systems: PR: OSE 5511 or C.I. Review of laser principles, specifics of gas, ion, solid state, dye, metal vapor, free electron, and semiconductor lasers and power supplies.

College of Sciences Course Action Revisions

Approved

~~PCB 5045C Conservation Biology~~ **4(3,2)**

~~PCB 5045~~ **4(4,0)**

PR: PCB 3044 and PCB 3063 or C.I.

~~Scientific basis of conversation; conservation of ecosystems, populations, exploited species, and endangered species. Weekend field trips are required.~~

Scientific basis of conservation; conservation of ecosystems, populations, exploited species, and endangered species.

Materials & Supply Fee: \$15.00

Approved

~~ZOO 5520 Behavioral Ecology~~ **3(3,0)**

ZOO 6XXX

PR: ~~graduate status or senior standing, and C.I.~~ [PR: Graduate standing or C.I.](#)

Introduction to the field of Behavioral Ecology, which studies evolution of animal behavior in the wild.

Engineering & Computer Science Course Action Revisions

[Tabled](#)

COP 5537 Network Optimization 3(3,0)

PR: Graduate Standing or C.I.

~~Recent advances in the theory and computational techniques for optimal design and analysis of large networks for computers, communications, transportation, web and other applications.~~

Techniques for modeling complex, interconnected systems as networks; optimization with graph theory; algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks.

College of Education Course Action Revisions

[Approved](#)

LAE 5295 Writing Workshop I 1-3(1-3,0)

[3\(3,0\)-1-3\(1-3,0\)](#)

Writing Workshop

PR: C.I.

Students will engage in exploration and practice of effective writing strategies. [May be repeated for credit up to 3 semester hours.](#)

[Approved](#)

LAE 6296 Writing Workshop II 3(3,0)

Advanced Writing Workshop

PR: LAE 5295 Writing Workshop I or C.I. [1-3\(1-3,0\)](#)

Designed for teachers who have completed a previous writing workshop course. Includes history, theory, research, and strategies for teaching writing. [May be repeated for credit up to 3 semester hours.](#)

[Term of offering change only – does not need Graduate Council approval](#)

LAE 5465 Literature for Adolescents 3(3,0)

PR: Senior standing or C.I.

Selecting and evaluating books for adolescents with emphasis on the use of literature in the development of young people.