

UCF Graduate Council

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CURRICULUM COMMITTEE MINUTES

Minutes of November 12, 2008 meeting

Members Present	Deborah Breiter, Ram Mohapatra, Max Poole, Tison Pugh, Martin Richardson, James Turkson, Art Weeks
Recorder	Rhonda Nelson
Guests Present	Graham Worthy, Edward Kian, Keith Folse, J. P. Peters, Michael Hampton, Anne Culp, Jeff Duke
Staff Members	Robert Ford (new committee member)
Files	2008-11-12 Course Action Minutes  2008-11-12 M&S Fee Requests 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 October 29 meeting were approved.

Revisions to the PhD Conservation Biology tracks. Graham Worthy presented changes to the tracks. Discussion followed. The committee requested that Biology add a note indicating that a minimum of 42 credit hours beyond the master's degree was required, and also add that total dissertation credits cannot exceed 50% of the program of study. This received unanimous approval with changes.

Course additions to the Sport Leadership and Coaching track, MA in Sport and Fitness.

Edward Kian presented a summary of the changes to this program. Question was raised on whether these were tracks or specializations. The committee suggested that the Advanced Coaching Methods courses be changed from a 5000 to a 6000 level course and that graduate standing be added to the Historical Aspects course. Dr. Kian will follow up with changes correcting the wording from specializations to tracks, upgrading course from 5000 level to 6000, and adding graduate standing to the Historical Aspects course. This proposal received unanimous approval with changes.

Course revisions to the graduate certificate in TEFL. Keith Folse was present to give an overview of these changes. The department has requested to add a fifth course to the group of four courses. The certificate will remain at 12 hours. This certificate received unanimous approval.

Courses revisions to the PhD in Texts and Technology. Tison Pugh presented course revisions for this proposal. The internship and practicum hours will be reduced from 9 to 6 and the electives will increase from 9 to 12. Total program hours to remain the same. This proposal received unanimous approval.

Addition of a twining agreement with Portugal. Deborah Breiter presented an overview of this agreement. The question on the table was to allow 18 hours to be transferred in from Portugal. Discussion followed. Dr. Ford asked how this agreement will affect the College of Business Administration and if this had been discussed with anyone in the college yet. Another question was whether our students would be going to Portugal and the answer was no. Another question raised was whether the courses there were taught in English. Dr. Breiter indicated that they were. The committee voted to table the agreement, with one abstention, and asked that RCHM contact CBA to inform them of this agreement and discuss any concerns with CBA.

Interdisciplinarity course. This course was tabled at the last meeting. Michael Hampton presented clarification on the differences between this new proposed course and IDS 6669 Interdisciplinary Approaches to Research. He also shared information on the program's course requirements. This course received unanimous approval.

Equipment fee requests. Walter Peters presented a summary of the equipment fee requests for Sociology and Political Science. The committee recommended approval for both the sociology and political science equipment fee requests. A list of all requested fees will go forward to the provost's office for approval and will also be reviewed by the Board of Trustees at an upcoming meeting.

Material and supplies fee requests. The committee reviewed the fee requests and voted that all fees on the list be recommended for approval. A list of the requested fees will be sent forward to the provost's office for review and final approval. Please refer to the attachment at the top of this page for a complete list of fee requests.

Courses and special topics. 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 1:10 p.m. The next meeting will be November 26, 2008, 11:30, MH 243.

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Graduate Curriculum Committee **Course Minutes 11-12-08**

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

College of Arts & Humanities Special Topics

HIS 6938 Sect 01 CAH-History 3(3,0)

ST:Public History & Digital Media: PR: Graduate Standing. Introduces students to how emerging media is changing the field of public history.

30 character abbreviation: **ST:Public His & Digital Media**

College of Medicine Special Topics

Tabled – requested clarification on description.

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

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, statistical classification and pattern recognition theory.

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

College of Education Special Topics

PET 6938 ED-Child, Family & Comm Sci 3(3,0)

ST: Advanced Coaching Methods: PR: Graduate standing. Stimulate philosophic thinking and foster a spirit of confidence in the coaching profession by showing coaches various methods they can use to teach their athletes.

30 character abbreviation: **ST: Advanced Coaching Methods**

College of Optics & Photonics Special Topics

OSE 6938 Sect 01 OPT-Optics 3(3,0)

ST: Integrated Photonic Devices: PR: Graduate Standing and OSE 5414 or C.I. The course reviews working principle, system functionality and design and fabrication issues of semiconductor integrated photonic devices and circuits for optical telecommunication and interconnect applications.

30 character abbreviation: **ST: Intergr Photonic Devices**

College of Arts & Humanities Course Action Additions

Tabled – requested clarification on why course can be repeated 6 times.

FIL 5XXX CAH-Film Program 3(3,0)

Graduate Seminar: PR: Admission to MFA Film & Digital Media/Entrepreneurial Digital Cinema track, or C.I. Strategies for a successful graduate experience, and forum for modes of inquiry, film technique, production and distribution issues; and thesis defense preparation. Graded S/U. May be used in the degree program a maximum of 6 times.

30 character abbreviation: **Graduate Seminar**

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

Film Production Management I: PR: FIL 5853, FIL 5414 Film Vision, Scope & Financing, and FIL 6930 Film Screenplay Refinement. Examination of pre-production issues facing filmmakers working with low budgets, with focus on creative concept, design, style, and location selection.

30 character abbreviation: **Film Production Management I**

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

Film Production Management II: PR: FIL 6XXX Film Production Management I. Continued examination of production challenges that are unique to filmmakers working with extremely limited budgets, including casting, schedules, and set management.

30 character abbreviation: **Film Production Management II**

College of Medicine Course Action Additions

Tabled – requested clarification on description.

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

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**

Tabled – faculty wants to revise to 5000 level course.

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**

College of Education Course Action Additions

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

Advanced Coaching Methods: PR: Graduate standing. Stimulate philosophic thinking and foster a spirit of confidence in the coaching profession by showing coaches various methods they can use to teach their athletes.

30 character abbreviation: **Advanced Coaching Methods**

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

Historical Aspects of Sport and Physical Education: PR: Graduate standing. This course examines the development of sport and physical education from historic to modern times. The focus will be on US sport development following 1865.

30 character abbreviation: **Histor Aspects Sport & Phys Ed**

University of Central Florida Course Action Additions

IDS 6XXX UCF-Interdisciplinary 3(3,0)

Interdisciplinarity: PR: Graduate standing or C.I. This course examines the history and challenges of interdisciplinary teaching and scholarship. We start by posing the question, "What is a discipline?" Then we will explore various interdisciplinary approaches and scholarship. Our final goal is for each student to present an interdisciplinary research proposal that will guide their work on their Interdisciplinary Studies MA or MS thesis.

30 character abbreviation: **Interdisciplinarity**

College of Medicine Course Action Revisions

PCB 5239 ~~Tumor Biology~~ 3(3,0)
Cancer Biology

PR: PCB 4524. 4524 and Graduate Standing.

A course designed to provide an introduction and broad overview of the current knowledge and research in the field of cancer biology.

Current knowledge and research on molecular mechanism of tumor development, tumor progression, metastasis and therapy of cancer.

30 character abbreviation: **Cancer Biology**

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 Optics & Photonics Course Action Revisions

Tabled – requested additional clarification on prerequisite.

OSE 5115 Interference and Diffraction 3(3,0)

OSE 6115

PR: Graduate status or senior standing, or C.I. C.I.

Interference of light, optical interferometry, Fraunhofer and Fresnel scalar diffraction, diffraction gratings, temporal coherence, spatial coherence, and partial coherence.

Tabled – requested clarification on prerequisite.

OSE 6211 Fourier Optics 3(3,0)

PR: Graduate Standing or C.I.

Application of Fourier transform theory to optical systems design. Development of optical correlation techniques. Holographic techniques and applications

Tabled – requested clarification on prerequisite.

OSE 6225 ~~Radiation and Detection~~ 3(3,0)

Radiometry and Detection

PR: C.I. PR: Graduate Standing or C.I.

Radiometry, Planck radiators, spectrometers, photon-counting statistics, detector noise analysis, detector mechanisms.

30 character abbreviation: **Radiometry and Detection**

Tabled – requested clarification on prerequisite.

OSE 5234 Applied Optics Laboratory 3(1,3)

OSE 6234C

PR: Graduate Standing or C.I.

Laboratory Techniques for observing optical phenomena and quantitative experimental study of geometrical optics, optical interferometry, diffraction, and image processing.

Tabled – requested clarification on prerequisite.

OSE 6347 Quantum Optics 3(3,0)

~~PR: PHY 5606, PHY 5346, OSE 5511.~~ PR: Graduate Standing or C.I.

Semiclassical treatment of light/matter interactions (quantized atomic states plus Maxwell's equations). Density matrix theory, coherent optical transients, pulse propagation.

Tabled – requested clarification on prerequisite.

OSE 6457 Photonic Signal Processing 3(3,0)

PR: Graduate Standing or C.I.

Design, building and testing of photonic information processing systems using fiber-optics bulk polarization optics, acousto-optics, liquid crystals, micromirrors, and integrated optics.

Tabled – requested clarification on prerequisite.

OSE 6536 Semiconductor Lasers 3(3,0)

~~PR: Optics Majors~~ PR: Graduate Standing or C.I.

Light-matter interaction, thermal physics and solid state physics to understand, analyze, and engineer semiconductor lasers with different active region dimensionalities.