

UCF Graduate Council

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CURRICULUM COMMITTEE MINUTES

Minutes of January 17, 2007 meeting

Members Present Lynn Casmier-Paz, Richard Harrison, Aubrey Jewett, Fevzi Okumus, Patricia Bishop, Jim Moharam, Stephen Sivo, Art Weeks

Recorder Rhonda Nelson

Files [Course Minutes 2007-01-17](#) 

1. Dr. Sivo began the meeting at 12:00. The minutes from the January 10 meeting were reviewed and approved.
2. **Program additions or changes.** There were no program, track, or certificate additions or changes on the agenda for this meeting.
3. **Special topics and course action requests.** See course minutes for approved and tabled courses.
4. **Adjournment of meeting.** The meeting was adjourned at 1:00 p.m. The next meeting is scheduled for January 31. The meeting start time will be 12:00 p.m. in Room 243 MH.

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COURSE MINUTES FOR 1-17-2007

All courses listed are approved except for courses with blue highlights. The blue highlight pertains to the course directly below the notation.

Burnett College of Biomedical Sciences Special Topics

Tabled – awaiting revised syllabi that distinguishes differences between the UG and Grad course (SPLIT CLASS)

PCB 5937 Sect 01 BCBS-Molecular & Microbiology 3(3,0)

ST: Molecular and Cellular Pharmacology: PR: Graduate Standing, PCB 3522. The cellular and molecular events that lead disease states and molecular basis of agents that modulate these processes will be covered.

30 character abbreviation: **ST: Molecular & Cell PHARMACOL**

College of Sciences Special Topics

Approved-pending no conflicts with Engineering Technology and EE and Comp Sci depts.

PHY 5937L Sect 01 COS-Physics 1(0.5,1)

ST: Scientific Instrumentation and Computer Based Data Acquisition: PR: Undergraduate preparation in physics or related discipline and graduate standing, or CI. Interfacing instrumentation with a graphical programming environment to control various types of laboratory experiments with data acquisition boards and computer ports.

30 character abbreviation: **ST: Sci Instr Comp Data Acquis**

Engineering & Computer Science Special Topics

IDS 6938 Sect 01 ECS-Industrial & Management 3(3,0)

ST: Virtual Reality: PR: EIN 5255C or IDS 5717C. Gives students an appreciation for the uses and complexity of virtual reality systems by building a simple environment and writing a research paper.

30 character abbreviation: **ST: Virtual Reality**

Health & Public Affairs Special Topics

Tabled – awaiting new Com Sci & Dis track in Ed.S. in Ed

SPA 6938 Sect 01 HPA-Communicative Disorders 3(3,0)

ST:Leadership Project in School Speech-Language Pathology: PR: Graduate Standing in Communication Sciences and Disorders or C.I. Development, completion, and implementation of a clinical or research leadership project in school speech-language pathology.

30 character abbreviation: **ST:Leadership Prjct in School**

Tabled – awaiting new Com Sci & Dis track in Ed.S. in Ed

SPA 6938 Sect 01 HPA-Communicative Disorders 3(3,0)

ST:Methods in School Speech-Language Pathology: PR: Graduate Standing in Communication Sciences and Disorders or C.I. Organization, administration and management of speech-language pathology programs in schools.

30 character abbreviation: **ST:Methods in School SLP**

Burnett College of Biomedical Sciences Course Action Additions

Tabled – awaiting revised syllabi that distinguishes differences between the UG and Grad course (SPLIT CLASS)

PCB 5XXX BCBS-Molecular & Microbiology 3(3,0)

Molecular and Cellular Pharmacology: PR: Graduate Standing, PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered.

30 character abbreviation: **Molecular and Cell PHARMACOL**

College of Sciences Course Action Additions

Tabled – awaiting clarification on 3000 level prereq.

PCB 6XXX **COS-Biology 1(1,0)**

Advances in Plant Ecological Research: PR: PCB 3044, graduate standing, or CI. Current methodological and conceptual developments in plant ecological research. Examination of newly published and on-going research through presentations and group discussions. May be used in the degree program a maximum of 2 times. Graded S/U.

30 character abbreviation: **Advances in Plant Ecol Res**

Approved – pending shorter title

PHY 6XXX **COS-Physics 3(3,0)**

First principles computational mthd in condensed matter physics & materials sci: PR: PHY 5606 Quantum Mechanics I. Introduction to density functional theory and first principles computational methods used in modern condensed matter physics with hand-on sessions using computers.

30 character abbreviation: **Prin Comp Meth Condens Matter**

Engineering & Computer Science Course Action Additions

CAP 6XXX **ECS-Computer Science** **3(3,0)**

Neuroevolution and Generative and Developmental Systems: PR: COP 3503C or C.I. Focuses on evolving neural networks for difficult sequential decision and control tasks and associated issues in efficient encoding and representation.

30 character abbreviation: **Neuroevolution Generative Sys**

Tabled – awaiting Engr Tech proposal

CET 6XXX **ECS-Engineering Technology** **3(3,0)**

Incident Response Technologies: PR: CGS 5131 or C.I. This course covers security incidents and intrusions. Topics include : identifying and categorizing incidents; responding to incidents; log analysis; network traffic analysis; and tools

30 character abbreviation: **Incident Response Technologies**

Tabled – awaiting Engr Tech proposal

CET 6XXX **ECS-Engineering Technology** **3(3,0)**

Operation Systems and File System Forensics: PR: CGS 5131 or C.I. In-depth coverage of computer forensics-related issues associated with multiple operating systems, multiple file systems, and applications.

30 character abbreviation: **Operation Systems File System**

IDS 6XXX **ECS-Industrial & Management** **3(3,0)**

Virtual Reality: PR: EIN 5255C or IDS 5717C. Gives students an appreciation for the uses and complexity of virtual reality systems by building a simple environment and writing a research paper.

30 character abbreviation: **Virtual Reality**

EMA 5XXX ECS-Mechanical/Matrls/Aerosp 3(3,0)

Electronic Principles of Materials Properties: PR: EGN 3365 or C.I. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device examples.

30 character abbreviation: **Electronic Prin of Mat prop**

Education Course Action Additions

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

Legal and Ethical Issues in Professional School Counseling: PR: MHS 5005 and MHS 6400. Ethical and legal standards, their evolution, and application specific to professional school counseling will be presented in the form of case studies and ethical dilemmas.

30 character abbreviation: **Legal Ethical Issues in PSC**

EDF 6XXX ED-Educational Studies 3(3,0)

Critical Analysis of Social, Ethical, Legal, and Safety Issues Related to Educ: PR: Graduate standing. Analysis of critical issues in education including social, ethical, legal, and safety concerns which impact the quality of education.

30 character abbreviation: **CRIT Anal of Soc Ethic Leg**

EDG 6XXX ED-Educational Studies 3(3,0)

Principles of Instruction and Classroom Management: PR: Graduate standing or consent of department chair. Students are exposed to various methods of delivering instruction, as well as organizational and management skills. Students microteach and view lessons to develop reflective practices.

30 character abbreviation: **Prin Inst Classroom Mgmt**

Health & Public Affairs Course Action Additions

[Tabled – awaiting new Com Sci & Dis track in Ed.S. in Ed](#)

SPA 6XXX HPA-Communicative Disorders 3(3,0)

Leadership Project in School Speech-Language Pathology: PR: Graduate Standing in Communication Sciences and Disorders or C.I. Development, completion, and implementation of a clinical or research leadership project in school speech-language pathology.

30 character abbreviation: **Leadership Prjct in School SLP**

[Tabled – awaiting new Com Sci & Dis track in Ed.S. in Ed](#)

SPA 6XXX HPA-Communicative Disorders 3(3,0)

Methods in School Speech-Language Pathology: PR: Graduate Standing in Communication Sciences and Disorders or C.I. Organization, administration and management of speech-language pathology programs in schools.

30 character abbreviation: **Methods in School SLP**

[Approved – pending no conflicts with English and Modern Languages Depts.](#)

SPA 7XXX HPA-Communicative Disorders 3(3,0)

Advanced Studies in Language Development: PR: Doctoral standing or C.I. Linguistic theories and their implications for language learning in children and youth.

30 character abbreviation: Adv Studies in Language Dev

Business Administration Course Action Deletions

~~MAR 5055 BA-Marketing 1-3(1-3,0)~~

~~Marketing Foundations: PR: Acceptance into the graduate program. Study of functions, institutions, and basic marketing of goods in the U.S. economy.~~

Business Administration Course Action Revisions

~~BUL 6444 Law and Ethics 1.5(1.5,0)~~
~~3(3,0)~~

~~PR: CBA Masters Program of Study Foundation Core. PR: Accepted for graduate study in College of Business Administration.~~

~~Legal and ethical issues inherent in business decision making.~~

Legal and ethical issues inherent in business decision making, including the effects of legislation, regulation, diversity, harassment, and other workplace issues on business activity.

~~GEB 6442 Moral and Ethical Issues in Sport 1.5(1.5,0)~~

~~SPB 6442~~

~~PR: CBA Masters Program of Study Foundation Core, and acceptance into the Sport Business Management program. Broad understanding of the moral and ethical issues in sport including a special focus on the responsibility of governing bodies and decision-makers in sport including faculty, coaches, athletic directors, presidents, league commissioners, the NCAA, and the media. Issues will also include equity for women and people of color, academic abuses of student-athletes at the high school and college level, illegal recruitment of student-athletes, use of performance enhancing drugs, agents, and gambling.~~

~~BUL 6581 Sport Law 3(3,0)~~

~~SPB 6581~~

~~PR: CBA Masters Program of Study Foundation Core and Admissions to the Sport Business Management Program. Legal issues applicable to a sports context, developing familiarity with the legal terminology and broad understanding of key concepts in tort, contract, constitutional and common law. Employment, labor, antitrust, and agency law are also key components of this course.~~

~~GEB 6936 Business of Sport Media 3(3,0)~~

~~SPB 6936~~

~~PR: CBA Masters Program of Study Foundation Core, and acceptance into the Sport Business Management program. History of how media has evolved from radio, network television and magazines into the multi-dimensional world of regional and national cable, the internet, the networks, huge rights fees and other new elements. The way sports media provides so much of the revenue for sports as an entertainment industry has made it the anchor for the sports industry.~~

~~FIN 7930 Seminar in Finance 3(3,0)~~

Seminar in Market Microstructure

PR: Admission to the business doctoral program, FIN 7811, FIN 7816, and C.I.
Study of private sector financial theory, policy, empires, and decision making.
30 character abbreviation: Sem in Market Microstructure

College of Sciences Course Action Revisions

~~ZOO 5815 Zoogeography~~ 4(4,0)
BSC 5XXX Biogeography

PR: 8 hours of zoology, and graduate status or senior PR: Graduate standing or C.I.
Principles and concepts concerning regional patterns of animal distributions of the world, both past and present.
Study of geographic variation in nature, ranging from past to present and from genes to ecosystems.
Materials & Supply Fee: \$15.00
30 character abbreviation: biogeography

Tabled – awaiting clarification on prereq. level

~~STA 5185 Advanced Theory of Interest~~ 3(3,0)
STA 6XXX

PR: MAC 2312 and STA 2023, ~~graduate status or senior standing,~~ and graduate status, or C.I.
Measurement of Interest, valuation of annuities, determination of yield rates on investments, fixed income securities, mortgages, etc.

Engineering & Computer Science Course Action Revisions

~~CES 5325 Bridge Engineering~~ 3(3,0)

PR: CES 4605; ~~CES 4702.~~ 4605 and CES 4702 or C.I.
~~Structural systems for bridges, loading, analysis by influence lines, slab and girder bridges, composite design, prestressed concrete, rating of existing bridges, specifications and economic factors.~~
Bridge engineering fundamentals, design philosophies, analysis and design concepts for concrete and steel bridges, AASHTO specifications, Bridge rating, and introduction to Bridge health monitoring.

~~TTE 5805 Geometric Design of Transportation Systems~~ 3(3,0)

PR: ~~TTE 4004.~~ 4004 or C.I.
~~Study of geometric and construction design elements~~ highway geometric design in the engineering of transportation systems.

~~EEL 5555C RF and Microwave Communications~~ 3(2,2)
3(2,1)

PR: EEL 4436C or equivalent.
RF and microwave active circuits microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarization with network and spectrum analyzers
Materials & Supply Fee: \$30.00

Tabled – awaiting clarification on 3000 level prereq.

EEL 5434 ~~Microwave Circuits and Devices~~ 3(3,0)
Electromagnetic Theory I

PR: ~~EEL 4436C or EEL 5555C.~~ 3470.

~~Planar transmission lines; passive microwave circuits; active circuit design using Gunn, IMPATT, FETS, RTDS, etc.: microwave integrated circuits.~~

Maxwell's equations, boundary conditions, propagation and reflection, guided waves.

30 character abbreviation: **Electromagnetic Theory I**

EEL 6463 ~~Antenna Analysis and Design II~~ 3(3,0)

PR: EEL 5462C.

~~Moment method, GTD, Aperture antennas, reflectors, frequency independent antennas and microstrip antennas.~~

EEL 6488 ~~Electromagnetic Fields~~ 3(3,0)
Electromagnetic Theory II

PR: ~~EEL 3470 5434~~ or C.I.

~~Maxwell's equations. Boundary conditions. Propagation, reflection, and refraction of waves. Guided waves. Radiation.~~

Scattering, diffraction, Green's function, and method of moments.

30 character abbreviation: **Electromagnetic Theory II**