

UCF Graduate Council

[Home](#) > [Curriculum](#) > [Minutes](#)

CURRICULUM COMMITTEE MINUTES

Minutes of November 10, 2010 meeting

Members Present

Patricia Bishop, Deborah Breiter, Honghui Chen, Tosha Dupras, Naim Kapucu, Joyce Nutta, Max Poole, Tison Pugh, Terrie Sypolt, Art Weeks, Boris Zeldovich

Recorder

Rhonda Nelson

Guests Present

Gerald Smith, Ahmad Elshennawy, David Jenkins, Cecyle Carson, Don Mouluca

Files

[2010-11-10 Course M and S fee minutes](#) 

Welcome and call to order. The meeting was called to order at 3:30 p.m. by Tosha Dupras, Chair. A quorum was established. Dr. Dupras welcomed new member, Boris Zeldovich, College of Optics and Photonics.

The minutes from the October 27 meeting were reviewed and approved.

Special Topics course approval. A special topics course from CECS entitled Construction Contracts was reviewed and approved for spring 2011. It was noted that discussion had been held with the Department of Legal Studies and also both directors of the School of Accounting and the Real Estate Program. Accounting and Real Estate had no objections to the course. Legal Studies supported the special topics course but asked to collaborate with CECE in the design and/or instruction of a permanent course. This special topic received unanimous approval.

Review of Materials and Supplies fees for courses. The materials and supplies fees for courses were reviewed. Some courses fees were tabled due to additional clarification needed to determine if the item listed was a consumable item. The course fees that were tabled will be sent back to the departments for more information and resubmission. Any tabled courses will be reviewed at the next meeting on December 8. For a complete list of course fees approved, review the attached list on course fees. A list of all course fees recommended for approval by the committee will be sent to the Provost's Office for review and final approval.

Announcements and adjournment. The meeting was adjourned at 5:00 p.m.

© 2015 University of Central Florida

Graduate Council 407-823-3567. Site maintained by College of Graduate Studies, Millican Hall 230, PO Box 160112, Orlando, FL 32816-0112. [Graduate Studies webmaster](#)

Graduate Council Curriculum Committee
Course Minutes for Materials & Supplies for 11-10-2010

All courses were recommended for approval unless otherwise noted. Any notation refers to the course directly below the notation. A list of all course fees recommended for approval will be sent to the Provost's Office for review and final approval.

College of Arts & Humanities Course Action Revisions

MUN 5445 Percussion Ensemble 1(0,2)

PR: Open to all graduate students by audition.

Study and performance of music for small percussion ensembles. May be used in the degree program a maximum of 4 times.

Materials & Supply Fee proposed revision from: \$35.00 to \$35.00

MUO 5505L Graduate Opera Workshop 1(0,3)

PR: C.I. and audition.

Study of audition techniques, operatic roles and repertoire, and characterization through performance. May be used in the degree program a maximum of 5 times.

Current Materials Fee: \$45.00 (change to \$70.00)

College of Medicine Course Action Revisions

BSC 6407C Laboratory Methods in Molecular Biology 3(1,6)

PR: Graduate standing, PCB 3522 or C.I.

Description and practice of commonly used methods in molecular biology.

Current Materials Fee: \$45.00 (change to \$70.00)

MCB 5722C Methods in Biotechnology 4(2,4)

PR: Graduate standing.

A laboratory course that will train graduate students in fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation.

Materials & Supply Fee addition proposed: \$70.00

College of Sciences Course Action Revisions

PCB 6048C Restoration Ecology 4(2,4)

PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I.

Survey of the general ecological principles that guide restoration ecology: the process of assisting the recovery of degraded, damaged or destroyed ecosystems.

Current Materials Fee: \$45.00 (change to \$70.00)

PCB 7049C Conservation Biology Practice 4(2,4)

PR: Acceptance into the Conservation Biology Ph.D. program.

Case studies and evaluation of local and regional conservation issues from a biological perspective.
Materials & Supply Fee addition approved: \$70.00

ZOO 5463C Herpetology 4(2,4)

PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories.

Current Materials Fee: \$15.00 (change to \$60.00)

PSY 6216 ~~Advanced Research Methodology I~~ 4(3,2)

PSY 6216C Research Methodology

~~PR: Graduate admission and C.I.~~ PR: Admission to Industrial Organizational Psychology MS, Clinical Psychology MA, or Clinical Psychology MS, or CI.

Logic and procedures of psychological research and evaluation; application of experimental and non-experimental techniques in analyzing psychological variables; review of relevant psychological research.

Materials & Supply Fee proposed revision from: \$20.00 to \$0.00

30 character abbreviation: **Research Methodology**

PSY 6217 Advanced Research Methodology II

PR: PSY 6216, graduate admission, and C.I.

Structure and planning of complex psychological experiments; internal and external validity; application of advanced experimental procedures in analyzing psychological variables; review of relevant psychological research.

Materials & Supply Fee proposed revision from: \$20.00 to \$0.00

PSY 6219C Advanced Research Methods III

PR: PSY 6216 and PSY 6217

Application of research design and statistical problems to selected human factors, industrial and/or clinical settings.

Materials & Supply Fee proposed revision from: \$20.00 to \$0.00

Engineering & Computer Science Course Action Revisions

ENV 5116C Air Pollution Monitoring 3(2,3)

PR: C.I.

Air Pollution sampling techniques, equipment, and monitor siting. Emphasis on theory and direct applications in air pollution monitoring.

Materials & Supply Fee proposed revision from: \$15.00 to \$0.00

Tabled for clarification.

ENV 6504L Unit Operation and Processes Laboratory 3(1,6)

PR: ENV 6015 or equivalent.

Bench and small pilot plant experimentation with sedimentation, coagulation, sorption gas-stripping, oxidation ion-exchange, etc. in water, waste-water industrial waste, or hazardous waste treatment.

Current Materials Fee: \$45.00 (change to \$70.00 pending)

EEE 5332C Thin Film Technology 3(2,1)

PR: EEE 3350 or equivalent.

Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices.

Current Materials Fee: \$30.00 (change to \$70.00)

EEE 5356C Fabrication of Solid-State Devices 4(3,3)

PR: EEE 3350.

Fabrication of microelectronic devices, processing technology, ion implantation and diffusion, device design, and layout. Laboratory includes device processing technology.

Current Materials Fee: \$45.00 (change to \$70.00)

EEL 5437C Microwave Engineering 4(3,3)

PR: EEL 3470 or C.I.

Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements.

Materials & Supply Fee addition proposed: \$40.00

EEL 5439C RF and Microwave Communications 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~~

RF and microwave active circuits microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarization with network and spectrum analyzers.

Current Materials Fee: \$30.00 (change to \$40.00)

EEL 5462C Antenna Analysis and Design 3(3,1)

PR: EEL 3470 or equivalent.

Fundamentals of antennas; dipoles, loops, arrays, apertures, and horns. Analysis and design of various antennas.

Materials & Supply Fee proposed revision from: \$5.00 to \$0.00

Tabled for clarification.

EEL 5722C Field-Programmable Gate Array (FPGA) Design 3(3,1)

PR: EEE 3342C or C.I.

FPGA architectures, design flow, technology mapping, placement, routing, reconfigurable computing applications, and evolvable hardware.

Materials & Supply Fee addition proposed: \$30.00 pending

EEL 5771C Engineering Applications of Computer Graphics 3(2,3)

PR: EGN 3420 or C.I.

Computer graphics in engineering applications. Laboratory assignments.

Materials & Supply Fee proposed revision from: \$5.00 to \$0.00

EEL 6425C RF and Microwave Measurement Techniques 4(3,3)

PR: EEL 4436C or EEL 5482 or EEL 5439C or C.I.

RF and Microwave components in wireless systems; i.e., antennas, passive components, active circuits, as well as noise, modulation are characterized by measurement and designed/verified by EM/circuit software.

Materials & Supply Fee addition approved: \$40.00

EGN 5720 Internal Combustion Engine Analysis and Optimization 3(2,3)

PR: EGN 3343 or EGN 3358 or C.I.

Internal combustion engine operating principles. Topics covered include engine design and operating parameters, combustion, thermodynamics, induction flow, and basic mathematical models.

Materials & Supply Fee proposed revision from \$45.00 to \$0.00

EGN 5858C Prototyping and Product Realization 3(2,1)

PR: Basic knowledge and/or experience in CAD/CAM technology or C.I.

Product design and development cycle including design for functionality and manufacturability. Fundamentals, applications and practice of rapid prototyping and reverse engineering technologies.

Materials & Supply Fee addition proposed: \$50.00

EIN 5248C Ergonomics 3(2,2)

PR: C.I.

Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipments, and workstations.

Materials & Supply Fee proposed revision from: \$20.00 to \$0.00

EIN 5368C Integrated Factory Automation Systems 3(2,2)

PR: EIN 4391C or C.I.

Automated material handling systems, industrial robots, automated guided vehicles, automated storage and retrieval systems, economics, justification.

Materials & Supply Fee proposed revision from: \$20.00 to \$0.00

EIN 5392C Manufacturing Systems Engineering 3(2,2)

PR: EIN 4391C or C.I.

The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise.

Materials & Supply Fee addition proposed: \$0.00

EIN 5607C Computer Control of Manufacturing Systems 3(2,2)

PR: EIN 4391C, and EIN 4621C or EML 4535C; or C.I.

Automated systems for manufacturing, numerical control (NC) machines, NC programming, robot control and programming, machine and system control.

Materials & Supply Fee addition proposed: \$0.00

ESI 5419C Engineering Applications of Linear and Nonlinear Optimization 3(2,2)

PR: ESI 4312 or ESI 5306.

Course covers linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Focuses on practicing or analyses.

Materials & Supply Fee addition proposed: \$0.00

EML 6305C Experimental Mechanics 3(2,2)

PR: EML 4304C, EML 5237.

Selected topics in strain measurements, photoelasticity, holographic interferometry; laser speckle measurement; acoustic emission, measurement of correlation and coherence functions.

Current Materials Fee: \$15.00 (change to \$25.00)

Health & Public Affairs Course Action Revisions

SPA 6204 Articulation/Phonological Disorders 3(3,0)

PR: Graduate standing or C.I. SPA 3112 and SPA 3112L.

Advanced theory, diagnosis, and treatment of articulation/phonological disorders including developmental apraxia of speech, dysarthria, and cleft palate; communicative differences vs. disorders emphasized.

Current Materials Fee: \$29.00 (change to \$45.00)

Tabled for clarification and resubmission.

SPA 6211C Voice Disorders 4(3,1)

PR: Graduate standing.

Study of the etiology, evaluation, and management of voice disorders in children and adults, with laboratory demonstration and participation.

Materials & Supply Fee addition proposed: \$66.50 pending

Tabled for clarification and resubmission.

SPA 6225C Fluency Disorders 4(3,1)

PR: Graduate standing.

Study of the theories, etiology, symptomatology and development of fluency disorders as well as assessment, differential diagnosis and management of disorders of fluency in children and adults with fluency failures.

Materials & Supply Fee addition proposed: \$49.87 pending

Tabled for clarification.

SPA 6327 Aural Habilitation/Rehabilitation 3(3,0)

Intermediate supervised practicum in evaluation and management of speech, language and hearing disorders. Includes 1 hour weekly meeting. May be repeated for credit.

Current Materials Fee: \$31.50 (change to \$70.00 pending)

Tabled for clarification and resubmission.

SPA 6943C Advanced Clinical Practicum 3(1,6)

PR: SPA 6942C.

Advanced supervised practicum in evaluation and management of speech, language and hearing disorders. May be repeated for credit.

Current Materials Fee: \$31.50 (change to \$70.00 pending)

PHT 5125L Clinical Kinesiology Lab 2(0,2)

CR: PHT 5125.

Concerned with the evaluation and practical application of aspects of human movement, joint mechanics of the upper and lower extremity, vertebral column and soft tissues.

Current Materials Fee: \$15.00 (change to \$35.00)

PHT 5218L Theories and Procedures I lab 1(0,2)

PR: CR Theories and Procedures I.

Lab course on the clinical applications of heat, light, cold, water, sound, and massage.

Current Materials Fee: \$15.00 (change to \$30.00)

Tabled for revision and resubmission.

PHT 5240L Physical Assessment Lab 2(0,4)

PR: CR Physical Assessment.

Lab course emphasizing the examinations required to perform an evaluation of physical therapy patient.

Current Materials Fee: \$25.00 (change to \$50.00 pending)

Tabled for revision and resubmission.

PHT 5260L Patient Care Skills Lab 1(0,2)

CR: Patient Care Skills.

Skills of patient care, transfers, mobility skills.

Current Materials Fee: \$25.00 (change to \$45.00 pending)

Tabled for revision and resubmission.

PHT 5718L Neurological Physical Therapy Lab 1(0,2)

PR: CR Neurological Physical Therapy.

Lab Course emphasizing the clinical application of selected neuromotor theories.

Current Materials Fee: \$15.00 (change to \$27.00 pending)

Tabled for revision and resubmission.

PHT 6115C Gross Anatomy/Neuroscience I 6(3,6)

PR: Admission to DPT program.

Study of human anatomy via lecture and cadaver dissection emphasizing upper and lower extremity, musculoskeletal, peripheral vascular and peripheral nervous systems, thoracic and abdominopelvic cavities.

Current Materials Fee: \$45.00 (change to \$70.00 pending)

Tabled for revision and resubmission.

PHT 6118C Gross Anatomy/Neuroscience II 6(3,6)

PR: Gross Anatomy/Neuroscience I.

Comprehensive study of anatomy and physiology of the nervous system to develop DPT students' improved treatment strategies for patients with neurological problems.

Materials & Supply Fee proposed revision from: \$45.00 to \$70.00 pending)

PHT 6156C Applied Human Physiology for Health Sciences 5(4,5)

PR: Admission to Physical Therapy Program or M.S.in Health Sciences.

Course provides in-depth study of human cardiovascular, hemopoietic, respiratory, gastrointestinal, renal and reproductive systems with emphasis on mechanisms responsible for maintaining homeostasis.

Materials & Supply Fee addition proposed: \$25.00

PHT 6219L Theories and Procedures II Lab 1(0,2)

PR: Theories and Procedures I and lab; CR: Theories and Procedures II.

Lab course focusing on electrodiagnosis and electrophysiologic examinations, and the interventions used in the treatment of pain and dysfunction.

Current Materials Fee: \$30.00 (change to \$45.00)

PHT 6242L Orthopedic Physical Therapy Lab 1(0,2)

PR: CR Orthopedic Physical Therapy.

Lab course emphasizing the examinations and interventions for the evaluation and treatment of specific orthopedic cases and injuries.

Current Materials Fee: \$15.00 (change to \$40.00)

Tabled for revision and resubmission.

PHT 6719L Advanced Neurological Physical Therapy Lab 1(0,2)

PR: PHT 5718L; CR PHT 6719.

Course Emphasizing examinations and interventions for the evaluation and treatment of patients with neurological disease. Emphasis on patients with spinal cord injury and neurological disease.

Current Materials Fee: \$15.00 (change to \$25.00 pending)

Nursing Course Action Revisions

Approved but clarification needed on rechargeable battery.

NGR 5003L Advanced Health Assessment and Diagnostic Reasoning Lab 1(0,1)

PR: or CR: NGR 5141; CR: NGR 5003

Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan. Graded S/U

Materials & Supply Fee proposed revision from: \$45.00 to \$45.00

Approved but clarification needed on amount.

NGR 6063C Advanced Skills for the Management of Illness and Injuries 3(2,1)

PR: Admission to MSN program or a Nursing certificate track. Completion of one clinical course or C.I.

Development of pathological, theoretical, and clinical skills for the evaluation, diagnosis, intervention, and management of illnesses and injuries.

Materials & Supply Fee proposed revision from: \$45.00 to \$45.00