

Graduate Curriculum Committee Meeting Agenda

Grinter Hall, Room 118

Friday

10/23/2009

9:00-10:00

I. Approval of minutes from the October 9, 2009 meeting.

II. Committee Update

[Integrative Aging Physiology](#)

<https://approval.ufl.edu/requests/4042> and <https://approval.ufl.edu/requests/3965>

This new course was conditionally approved by Graduate Curriculum Committee; however, the proposal was recycled for a clarification on the contact hours indication of 1 on the form. From the syllabus, it appears this course meets for 4 hours each week for a total of 10 weeks. Therefore, the contact hour base should be 40 divided by the number of weeks in the semester the course will be offered. Please resubmit once clarification is made. Contact Hours: "Base" contact hours are determined by dividing the total number of classroom meeting hours per semester by the number of weeks in the semester.

Update from College: Both the summary sheet and the syllabus state that this course meets twice per week for 1.5 each session, for 15 weeks. That is a total of 45 contact hours. $45/15=3$.

III. Course Change Proposals (UCC2)

1. URP6421

<https://approval.ufl.edu/requests/4645>

Requesting a change to the course title from *Environmental Impact Statements* to *Environmental Land Use Planning and Management*.

2. EVR6320

<https://approval.ufl.edu/requests/4263>

Requesting a change in title from *Principles of Natural Resource Management* to *Sustainable Natural Resource Management*.

3. DCP7794

[Doctoral Seminar](#)

<https://approval.ufl.edu/requests/4641>

Requesting a change from letter-graded to S/U-graded.

4. BME6936

[Biomedical Engineering Seminar](#)

<https://approval.ufl.edu/requests/3121>

Requesting a change to repeatable for credit (1;max 14) and a change to S/U only.

IV. New Course Proposals (UCC1)

1. [ALS6xxx](#)
[Exotic Species and Biosecurity Issues](#)
<https://approval.ufl.edu/requests/4303>
Description: Study of U.S. policies and programs affecting agricultural biosecurity, Attention devoted to current agricultural and extension and regulatory programs. Emphasis on policies and procedures in detecting and reporting non-indigenous species, developing the analytical capabilities to assess the consequences of agricultural biosecurity threats.

2. [ALS6xxx](#)
[Advanced Topics in Biological Invasions](#)
<https://approval.ufl.edu/requests/4304>
Description: Focuses on non-native species invasions and environmental effects of these invaders. Develops analytical capabilities to assess the consequences of biological invasions.

3. [URP6xxx](#)
[Local Public Finance for Urban Planners](#)
<https://approval.ufl.edu/requests/4662>
Description: Studies the role of local governments in the economy with special emphasis in the provision of urban goods and services, the funding sources for urban governments and the decision-making processes about expenditures and revenues.

4. [DCP6xxx](#)
[Preservation Topics, Issues and Practice](#)
<https://approval.ufl.edu/requests/4661>
Description: Focuses on a critical assessment of current preservation practices and how they can be applied to a sustainable future. Historic preservation of existing buildings and landscapes embodies the concept of sustainable architecture and landscape architecture.

5. [DCP6xxx](#)
[World Heritage Research and Stewardship](#)
<https://approval.ufl.edu/requests/4647>
Description: Introduces international historic preservation theories and practices by focusing on issues impacting the identification, nomination, and management of UNESCO World Heritage sites.

6. [DCP6xxx](#)
[Built Heritage Resources: Research, Documentation, and Conservation](#)
<https://approval.ufl.edu/requests/4646>
Description: Examines the principles and practices guiding the preservation of built heritage resources at three different scales: cultural and urban landscapes and building ensembles; architecture; and materials and finishes.

7. [ARC6xxx](#)
[Architectural Acoustic Design Laboratory](#)
<https://approval.ufl.edu/requests/4644>
Description: Explores the theories and sciences of architectural acoustics as integral components of an architectural design problem.

8. [URP6XXX](#)
[International Development Planning](#)
<https://approval.ufl.edu/requests/4643>
Description: Examine critically the wide array of institutional actors that play a role in addressing development issues in poorer nations within the context of international development strategies. In the process of assessing how planning and implementation are pursued, the course will expose students to some of the dominant strategies and emerging perspectives on international development.

9. [GMS 6xxx](#)
[Mitochondrial Biology in Aging and Disease](#)
<https://approval.ufl.edu/requests/4450>
Description: Introduces basic biology of mitochondria, mitochondria in aging and disease, and assessments for mitochondrial function and genetic variance.

10. [EMA6xxx](#)

[Clinical Applications of Biomaterials and Tissue Engineering](#)

<https://approval.ufl.edu/requests/4326>

Description: Biomaterials, implants and devices are used to repair, augment or replace nearly every part of the body. New concepts of regenerative medicine and tissue engineering are rapidly offering alternative approaches to replacement of tissues and organs. Examines current technologies for replacement of tissues and organs in comparison with the latest alternative approaches based upon *in situ* genetic stimulation of the body's own repair mechanisms or *in vitro* tissue engineering of living tissues outside the body, with emphasis upon case histories of specific medical and dental clinical applications, including economic and ethical concern analyses. Divided into six modules related to various parts of the body requiring repair or replacement: 1] Introduction to innovations in biomaterials; 2] musculo-skeletal, including bone, joints, tendons and ligaments; 3] skin, including wound and burn care; 4] heart and cardio-vascular; 5] neuronal and 6] sensory systems.

11. [EMA6xxx](#)

[Advances in Biomaterials and Tissue Engineering for Healthcare](#)

<https://approval.ufl.edu/requests/4327>

Description: Use of new materials with specially designed bioactive and bio-nano structures, surfaces and properties for healthcare applications, including tissue engineering, regenerative medicine, stem cell engineering, protein therapeutics, bio-photonics testing of cell-material interactions. Socio-economic issues affecting cost and availability of new materials and technologies for healthcare, including technology transfer, regulatory requirements, ethical principles and practices in transplants, implants and genetic manipulation of cells, tissues and organs.

12. [EMA6xxx](#)

[Applied Crystallography](#)

<https://approval.ufl.edu/requests/4324>

Description: Derivation and analysis of structure-property relationships in common electroceramic material systems based on their crystal structure, symmetry, and anisotropy.

13. [EMA6xxx](#)

[Crystallography and Powder Diffraction](#)

<https://approval.ufl.edu/requests/4325>

Description: Applied crystallography including crystal structures, microstructures, and diffraction. Emphasis is placed on the determination of structure from diffraction patterns. Hands-on and practical applications directly related to graduate student research.

14. [ENV6xxx](#)

[Activated Carbon: Environmental Design and Application](#)

<https://approval.ufl.edu/requests/4469>

Description: Theory and application of manufacturing activated carbon; its use in water treatment/remediation, such as design of activated carbon systems; and thermal reactivation.