SWS 4932/6932 PERSPECTIVES IN FLORIDA LAKE MANAGEMENT

2 credits/Fall Semester

Course Motivation and Description
This seminar course provides students with an overview of management issues in Florida lakes including

(i) Hydrology (water budget)
(ii) Chemistry (nutrients, metals, organics, etc.)
(iii) Ecology (plants, animals)
(iv) Watershed Management (land-use, restoration)

In addition to the instructors listed below, several distinguished guest experts will provide lectures on course topics throughout the semester. This course is intended for undergraduate and graduate students interested in the interactions between humans and lake systems and should be of interest to agricultural, Earth, and environmental scientists and engineers, and natural resource managers.

Instructors
Mark Brenner, Professor, Geological Sciences  Jim Jawitz, Professor, Soil and Water Science
Williamson Hall 203  2165 McCarty Hall
392-7226, brenner@ufl.edu  392-1951 x 203, jawitz@ufl.edu

Office hours will be following class lecture or by appointment.

Textbook: No textbook is required. Reading materials assigned by the instructors and guest speakers will be posted on the course web site:
http://soils.ifas.ufl.edu/hydrology/teaching/lakemanagement/

Course Outline
1. Lake systems of Florida
2. Lake management
3. Lake hydrology and water budgets
4. Lake water quality
5. Lake sediments and nutrients
6. Aquatic animals
7. Aquatic plants
8. Watershed land use
Grading System

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<tr>
<th>Course components</th>
<th>Points for grade</th>
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<tr>
<td>Discussion comments or questions for guest lectures</td>
<td>SWS4932 30  SWS6932 30</td>
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<td>Field trip participation</td>
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<td>Independent research project</td>
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‘Class participation’ entails regular, on-time attendance of lectures and field trips, and engagement during lectures and discussion.

For each guest lecture a required reading assignment on the topic will be distributed in advance. Students will be expected to attend the lectures prepared with a comment or question for discussion based on the reading material. *Comments and questions must be typed and turned in during class time.*

Student independent research projects will be presented during the final two class sessions. No written report is required, so we thus have high expectations for your oral presentation. Your presentation should be well researched, organized, and delivered.

Final letter grades will be assigned as follows

\[ A > 90 > A- > 87 > B+ > 84 > B > 81 > B- > 78 > C+ > 75 > C > 72 > C- > 69 > D+ > 66 > D > 63 > D- > 60 > E \]
**Academic Honesty**

As a result of completing the registration form at the University of Florida, every student has signed the following statements: "I understand that the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment may result in disciplinary action up to and including expulsion from the University."

**UF Counseling Services**

Resources are available on-campus for students having personal problems or lacking clear career and academic goals which interfere with their academic performance. There resources include:

1. University Counseling Center, 301 Peabody Hall, 392-1575, personal and career counseling;
2. Student Mental Health, Student Health Care Center, 392-1171, personal counseling;
3. Sexual Assault Recovery Services (SARS), Student Health Care Center, 392-1161, sexual assault counseling
4. Career Resources Center, Reitz Union, 392-1601, career development assistance and counseling.

**Accommodation for Students with Disabilities**

Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

**Software Use**

All faculty, staff and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.