

SOS 6323 Advanced Microbial Ecology

- I. **Title:** Advanced Microbial Ecology
- II. **Credit:** 3 hours
- III. **Prerequisites:** SOS 4303/5305
- IV. **Course Description:** This course will present advanced concepts of elemental cycling in upland and wetland environments, bacterial diversity, and their relationship to environmental sustainability and quality.
- V. **Objective:** To give interested graduate students in the agricultural and environmental sciences in depth treatment of soil microbial ecology. This will serve to extend concepts introduced in SOS4303/5305.
- VI. **Format:** Three lectures per week; no laboratory.
- VII. **Time and Location:** Mondays, Tuesdays and Wednesdays, location and time to be announced
- VIII. **Instructor:** Andrew Ogram
Soil and Water Science Department
2161 McCarty Hall (392-1951, ext. 211)
Email: avo@mail.ifas.ufl.edu
- IX. **Office Hours:** By appointment.
- X. **Textbook:**
No textbook required; required readings will include current review articles.
- XII. **Term Project:**
An NSF style grant proposal on some aspect of microbial ecology.
Proposal will be judged on the basis of literature review and soundness of scientific plan.
- XIII. **Class Attendance:** Strongly encouraged.
- XIV. **Grading System:**

Three tests at 25% each	75%
Term Project	25%
Total	100%

Grading Scale: A=100-90; B+=89-87; B=86-80; C+=79-77; C=76-70; D+=69-67; D=66-60; E=<60

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 to academic honesty and understand that my failure to comply with 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. These 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, Student Health Care Center, 392-1161. Sexual assault counseling.
4. Career Resource Center, Reitz Union, 291-1601. Career development assistance and counseling.

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.