

Professor: Corey Devin Anderson, Ph.D. (Evolution, Ecology, and Population Biology)

Preferred salutation: "Dr. Anderson"

Days and time: Tues/Thurs, 2:00 to 3:15 PM.

A) Wed, 8 to 10:50 AM

Wednesday 06 Dec: 2:45 to 4:45 PM.

: Thursday 3:30

## Course overview

This course is an introduction to ecological and evolutionary theory. Although ecology and evolution are presented as separate disciplines, their interaction is emphasized and proficient knowledge of how ecology and evolution interact is a major learning goal and requirement for passing this course.

While the course presents an integrated view of ecology and evolution, in the first half of the class, the focus is on evolution. Macroevolutionary concepts are discussed in detail, but my presentation of the course is admittedly biased towards population genetics and microevolutionary theory. The emphasis on microevolutionary mechanisms partly reflects the fact that this is my area of expertise and I feel most comfortable teaching this material. But more importantly, I believe that a solid background in microevolutionary mechanisms helps to reinforce the connection between heredity (i.e. genetics) and microevolution, as well as the connection between microevolution and macroevolution.

While basic comprehension of biological evolution requires a solid foundation in microevolution, the theory underlying this subject is largely based on probability theory applied to population genetic data.

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*material, may make this a very challenging course for some students. You are strongly encouraged to "keep up" with the material.*

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Attendance is requisite for all laboratories and is strongly encouraged for lecture. I will randomly survey attendance in lecture 10 times during the course. Every time that you are present you will receive five points, for a total of 50 possible points. If you are planning to miss lecture or lab, you must contact me (via email) before the lecture or lab (unless it is an emergency situation).

that exam. Any student caught photographing an exam will get an automatic "F" in Biology 3250, and will also be banned from retaking the course with Dr. Anderson.

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I prefer that my lectures and labs not be recorded (especially without my consent), but if you feel as if you need to record my lecture, please place your recording device in the front of the classroom, so that I am aware that I am being recorded.

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Students requiring classroom or testing accommodations because of documented disabilities should discuss their needs with the instructor at the beginning of the semester. Students not registered must contact the Access Office, Farber Hall, Phone; 245-2498. Website: <http://www.valdosta.edu/access/>