

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

Preferred salutation Dr Anderson

Days and time: Tuesday and Thursday, 2:00 PM to 3:15 PM.

A) Fri, 9:00 AM to 11:50 AM; B) Wed, 8:30 AM to 11:20 AM; C) Thurs, 8:30 AM to 11:20 AM.

Wed, December 4th, 2:45 PM to 4:45 PM.

Office Hours: Tues 3:15 to 5:00PM*

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The lectures provide a survey of key topics in the disciplines of ecology and evolution; the labs are intended to reinforce the lecture material, as well as to provide further training in statistical, computational, and field-based methods in ecology and evolution. The lab component of this class will also provide students with some training in scientific writing.

Education outcomes for BS Degree in Biology: 1 & 5.

VSU General Education Outcomes: 3, 4, 5, & 7.

Appointments are permitted only for those students who cannot make office hours.

I grade on a curve, using a rank-based system; this means that you will be evaluated based on how well you perform relative to other students in the class.

If you are at or above the median score in the class you will receive no lower than a C the top 10 to 20% of the class will receive an A If you fall below the median you will receive a C or lower the bottom 10 to 20% o

Required texts:

- 1) Population Genetics and Microevolutionary Theory by Alan R. Templeton; the publisher is Wiley.
- 2) Ecology and Field Biology (Sixth Edition) by Smith and Smith; the publisher is Benjamin Cummings.
- 3) A Primer of Ecology by Nicholas J. Gotelli; the publisher is Sinauer Associates, Inc.

Recommended text:

Any general textbook on evolution, such as:

Bergstrom CT, Evolution. Norton.

Futuyama DJ, Evolution. Sinauer Associates, Inc.

Hall BK, Evolution Principles and Processes. Jones and Barlett.

Ridley M, Evolution. Blackwell.

Unfortunately, there is only one text book in print that covers both ecology and evolution; for various reasons, we have chosen not to use this particular book. On the other hand, there are many satisfactory text books that cover ecology and evolution as separate subjects, but each text has its own strengths and weaknesses. For example, the required general textbook on ecology for this course (by Smith and Smith) does a nice job with the basic concepts and in giving illustrative examples, but is somewhat weak in terms of its treatment of the mathematics underlying the concepts. In contrast, the other required ecology text for this course (by Gotelli) does a really nice job explaining the mathematics, but is relatively more limited in its scope and in terms of visual illustrations. Hence, I have decided that the students will be best served by requiring both books.

I have also decided to forgo a standard evolution textbook in favor of a more focused book on population genetics and microevolutionary theory. The pop gen book may b

Attendance is requisite for all laboratories and is strongly encouraged for lecture. If you miss a lab, you will receive zero points for that lab! If you are sick, a note is required from a health professional on official letterhead and you must contact me ASAP (i.e. preferably before the lab you are going to miss). Other excuses will be considered on a case by case basis. If you have a planned absence, you may participate in the other lab sections but for field trips you may have to arrange your own transportation (i.e., if no space is available). It is very important that you are not late for lab, especially field trips.

Although I will not take role throughout the entire semester, I may occasionally give a quiz or additional test questions (as required) during lecture.

If you are planning on missing a lecture, or are too sick to come to a lecture, I suggest you contact me via email beforehand.

We will be taking multiple field trips into inhospitable areas and on some of these field trips we will often be off trail. You need to wear long pants and closed toed shoes. Long sleeve shirts are also recommended. To avoid mosquitoes and overheating, wear light (or earth) colored clothing. During some of these trips, you will like get muddy, wet, and downright dirty so don't wear nice clothes. Insect repellent, hats, and/or sunscreen are also suggested. Don't forget to bring drinking water.

For writing assignments, copying of phrases and sentences from references without proper quotation or citation will be considered plagiarism and will result in a zero on that assignment. I have access to all previous assignments from previous versions of this course and I will be checking to make sure that nobody has borrowed previous work. If you are caught plagiarizing previous work, you will receive a zero for that assignment and will be reported to the Dean of Undergraduate Academic Affairs. For some of the labs, I do not mind if you work as a team; however, (even if you did the analyses as a team). Also, DO NOT copy lab assignments from previous semesters; this is also considered plagiarism.

Do NOT cheat on exams. You will receive a zero on the exam and will be reported to the Dean of Undergraduate Academic Affairs.

Unless you have special permission, cell phones and computers are forbidden during lecture!!!

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/>