



BIO 356

Summer 2008

Meeting Place and Times:

Lecture: Monday and Wednesday, 9:00-10:05 a.m., Life Sciences Room 038

Laboratory: Monday and Wednesday
Section 01: 10:15 a.m.-1:25 p.m., Life Sciences Room 022
Section 02: 2:00 p.m.-5:10 p.m., Life Sciences Room 022

Office Hours:

Monday and Wednesday, 1:25-2:00 p.m., Life Sciences Room 022
(or by appointment – please request via email)

Instructors:

Lecture and Lab Section 01: Chris Jensen (Christopher.J.Jensen@stonybrook.edu)
Lab Section 02: Roberta Harnett (rharnett@life.bio.sunysb.edu)

Course Website:

Blackboard (<http://blackboard.stonybrook.edu/>) will be used extensively in this course.

Text:

The book for the course is **Akcakaya, R., M. Burgman and L. Ginzburg. 1999. Applied Population Ecology with RAMAS EcoLab 2.0.** It is currently out of print, but you can download both the book and the software from <http://www.ramas.com/apppopn.htm>. The price is \$49.95. If you wish to have a paper copy of the book, you may be able to purchase it via a used book seller. If you do, make sure that the book includes the CD-ROM with RAMAS software, as you will need this software in order to complete work on a home computer.

Grading:

Quizzes and In-Class Assignments = 10%
Midterm Exam = 10%
Term Paper = 30%
Laboratory Reports = 30%
Final Exam = 20%

Syllabus:

Day	Lecture Topic	Lab Exercises	Chapters Covered
06/02 (M)	Population Growth	1.1, 1.2, 1.3	Chapter 1
06/04 (W)	Variation	2.1, 2.2, 2.3, 2.4	Chapter 2
06/09 (M)	Population Regulation	3.1, 3.2, 3.3, 3.4, 3.5, 3.6	Chapter 3
06/11 (W)	Age Structure	3.5, 3.6, 4.1, 4.2, 4.3, 4.4	Chapter 4
06/16 (M)	Stage Structure	4.1, 4.2, 4.3, 4.4 + Midterm Exam Review	Chapter 5
06/18 (W)	MIDTERM EXAM	5.1, 5.2, 5.3, 5.4	Chapters 1-4
06/23 (M)**	Metapopulations and Spatial Structure	6.1, 6.2, 6.3	Chapter 6
06/25 (W)**	<i>Term Paper Assigned:</i> discussion of the project	Work on Term Project	---
06/30 (M)	Work on Term Project		---
07/02 (W)	Population Viability Analysis	7.1, 7.2, 7.3 + Final Exam Review	Chapter 7
07/07 (M)	Decision-Making and Natural Resource Management	8.1, 8.2, 8.3 + Final Exam Review	Chapter 8
07/09 (W)	FINAL EXAM		Chapters 1-8

** Room Change! Lecture will be held in room LS 030 on these two days.

Course Guidelines:

- I expect you to be on time to lecture and lab. Beginning of class quizzes will be used to assure that students have done the appropriate reading.
- Starting this semester, you will need a NetID username and password to log onto the computers in all SINC sites. To obtain a NetID, simply log in to SOLAR and click on the “Set Your NetID Password” link under the “NetID Information” section on the right hand side of the page.
- You must have some means of storing your work; it is not possible to save work to the local hard drive of the computer you will work on. You have two options: 1) All computers have USB ports, so you may use a USB-driven memory stick; or 2) Under the NetID system, all students have 500Mb of storage (“mySBfiles”) – for more information, go to: <http://www.sinc.sunysb.edu/helpdesk/sbdrive.shtml>.
- You must read the appropriate chapter in the book before coming to lecture and lab. If you need help understanding any of the concepts covered in the chapter, be sure to visit or email me.
- Although students should feel comfortable providing assistance to each other during laboratory, all work is to be completed individually. Assignments (reports on exercises and projects) must be individual work. Credit will not be given for collaborative work.
- Assignments are due as listed below, with each lab graded on a 10-point scale. All assignments must be submitted electronically (see below). Late assignments will be penalized at a rate of 10% per day.
- All forms of academic dishonesty will not be tolerated. Plagiarism is considered cheating and all cases will be turned in to the Academic Judiciary Committee.
- No eating or drinking is allowed in the computer lab.

Assignments:

Assignment	Due on:
LAB 1, Population Growth	June 4, 2008
LAB 2, Variation	June 9, 2008
LAB 3, Population Regulation	June 16, 2008
LAB 4, Age Structure	June 18, 2008
LAB 5, Stage Structure	June 23, 2008
LAB 6, Metapopulations	June 25, 2008
Term Paper	July 2, 2008
LAB 7, Population Viability Analysis	July 7, 2008
LAB 8, Decision-making	July 9, 2008

Paperless Classroom:

Whenever possible, we will attempt to reduce the environmental footprint of this course by taking advantage of digital technology. The ONLY acceptable means of submitting the nine assignments listed above is electronically. All assignments must be posted to *Blackboard* as an MS Word or PDF file attachment. You will receive feedback and grades on your assignments via email.

Patrick's Marsh Wren Conservation Planning Project:

Your term paper, the *Patrick's Marsh Wren Conservation Planning Project*, will be assigned on June 25th and should be submitted on July 2nd. Guidelines for the paper will be distributed and discussed in class. You should discuss the paper with me during office hours and laboratory. You are also advised to show a draft of your paper to me for evaluation and suggested improvements. The term paper will account for 30% of your final grade. Submission after deadline will lower your grade at a rate of 10% per day.

Blackboard Site:

Blackboard will be used extensively in this course to post assignments and other course documents, to disseminate important information, and post grades. Please log onto Blackboard as soon as possible and *confirm that your email address is correct*.

You can access class information on-line at: <http://blackboard.sunysb.edu>. You will need to use your NetID and password to log in to Blackboard.

For help or more information see: <http://www.sinc.stonybrook.edu/helpdesk/bb.shtml>. For problems logging in, go to the helpdesk in the Main Library SINC Site or the Union SINC Site. You can also call: 631-632-9602 or e-mail: helpme@ic.sunysb.edu

Disability Support Services:

If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, 128 ECC Building (631) 632-6748. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information go to the following web site: <http://www.ehs.sunysb.edu> and search Fire safety and Evacuation and Disabilities.