

Schedule:

Monday, Wednesday, and Friday 10:00 to 10:50 am
Shoemaker Hall, Room 401

Instructor:

Dr. Marjorie M. Holland
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Office: 430 Shoemaker
Office phone: 662-915-5874
Office Hours: Monday, Wednesday, and Friday 11:00am to 12:00 noon

Course description:

A survey course intended for non-biology majors, emphasizing the relationships of humans to the environment, including origin and diversification of life, behavior, ecology, role of plants, and environmental concerns.

Pre-requisite BISC 102 or permission of the instructor. Will not count for credit if BISC 162 is counted. Applies to the science requirement of the core curricula. Associated laboratory is BISC 105.

Goals of course: The objectives of this course are: (1) to provide a basic understanding of biology and ecology so that each student understands his/her relationship to and impact upon the environment; (2) to understand the similarities and differences among various organisms; and (3) to enable students to critically analyze media reports and advertisements on environmental topics.

Issues approach: Students should be aware that we have chosen to cover some controversial issues in this course. We have selected a textbook that presents a balanced discussion of various controversies. We believe that being exposed to contrasting points of view, considering the merits of other points of view, and respecting people with other views is an essential part of being an educated person, and an essential part of being a member of the University community.

Grading: three hourly exams have been scheduled, along with the final exam--

13 February 2008	100 points
5 March 2008	100 points
4 April 2008	100 points
Final Exam on 7 May 2008	150 points
11 Quizzes [10 points each]	100 points
Attendance and participation	<u>50 points</u>
Total points	600 points

Grading continued:

- all grades will be made available on Blackboard, as semester progresses.
- Dates for exams will be confirmed in class.
- Please bring a Scantron form 882-E and #2 pencil to each test.
- Quizzes will be made available on Blackboard as chapters are completed. They will consist of 10 multiple-choice questions. Each quiz will count for 10 points. Since 11 quizzes will be available during the semester, students can earn bonus points in correctly completing the quizzes. Each quiz can be taken multiple times but only the last attempt will be graded. There is no time-limit once a quiz is loaded. Students will have until Friday May 2 [last day of class] at midnight to complete all their quizzes; uncompleted quizzes will receive a 0.
- Students are required to come to lecture. Attendance will be recorded, so you must remember to sign in on the "sign-in sheet" circulating in class. Students who miss classes, are excessively late, leave early or show inappropriate behavior will have one warning [either via email or Dr. Holland will speak with individual student before or after lecture], then points will start to be removed from their attendance and participation grade. Behavior not appropriate for a University class includes talking to neighbors, reading the newspaper, doing assignments for other classes, and cell phone use [including text messaging]. Excellent participation includes answering and asking informed questions, taking notes, and acting in a manner consistent with a University environment. Students who attend all lectures, act appropriately and participate in class will have their full 50 points.

Grades: A (90-100%); B (80-89%); C(70-79%); D(60-69%); F (59% and below)

Exam make-up policy: Make-up exams will be in essay format, and will be given on the day of the final exam after the final is completed. Note, however, that the final exam and any make-up exam must be completed within the three hours allotted for the final. Under special circumstances and with Dr. Holland's approval (E.g. University-excused absence), students may arrange to take make-up exams before the class exam.

Inclement weather: In case the University is closed due to bad weather or other emergency, tests will be given the next class day after the University reopens.

Academic expectation: It is expected that all work turned in to Dr. Holland is the end result of independent and creative efforts on the part of each individual student. Students are reminded that in the M Book it states, "Every member of the University community is charged with upholding high standards of honesty and fairness in all academic matters."

How to study: (1) study lecture material; (2) do reading assignments; (3) be able to use the assigned "Terms and definitions" for each chapter to discuss the topics we have covered; (4) study the Chapter Reviews at the end of each chapter; (5) complete and submit quizzes posted on Blackboard at end of each chapter.

Required Text: Campbell, Neil A., Jane B. Reece And Eric J. Simon. 2004. Essential biology with physiology. Pearson/Benjamin Cummings Publishers, New York, 656 pages [ISBN 0-321-27071-1].

SCHEDULE OF THE COURSE

<u>Week</u>	<u>Date</u>	<u>Lecture Topic</u>	<u>Reading</u>
1.	Jan.16/18	Introduction to course Photosynthesis [start]	Ch. 1 Ch. 7
2.	Jan.21/23/25	Photosynthesis [end] Life of flowering plants [start]	Ch. 7 Ch. 28
3.	Jan.28/30/Feb.1	Life of flowering plants [end] The working plant [start]	Ch. 28 Ch. 29
4.	Feb. 4/6/8	The working plant [end] How populations evolve [start]	Ch. 29 Ch. 13
5.	Feb.11/13/15	How populations evolve [cont'd] Wed., Feb. 13 Exam 1 [Ch. 1, 7, 28 & 29] How populations evolve [end]	Ch. 13 Ch. 13
6.	Feb.18/20/22	How Biological Diversity Evolves	Ch. 14
7.	Feb.25/27/29	Evolution of microbial life	Ch.15
8.	Mar.3/5/7	Plants, Fungi, and Land [start] Wed., Mar. 5 Exam 2 [Ch. 13, 14, & 15] Plants, Fungi, and Land [cont'd]	Ch. 16 Ch. 16
*****	March 10-14	SPRING BREAK	*****
9.	Mar.17/19	Plants, Fungi, and Land [cont'd] Evolution of Animals [start]	Ch.16 Ch. 17
10.	Mar.24/26/28	Evolution of Animals [end]	Ch.17
11.	Mar.31/Apr.2/4	Ecology of Organisms [start] Fri., April 4 Exam 3 [Ch. 16 & 17] Ecology of Organisms [cont'd]	Ch.18 Ch. 18
12.	Apr. 7/9/11	Ecology of Organisms [end]	Ch. 18
13.	Apr.14/16/18	Communities and Ecosystems [start]	Ch.19
14.	Apr.21/23/25	Communities and Ecosystems [end] Human Impact on the Environment [start]	Ch. 19 Ch. 20
15.	Apr.28/30/May 2	Human Impact on the Environment [end]	Ch. 20
16.	May 7	* FINAL EXAMINATION * 2/3 questions on Chapters 18-20 1/3 questions on all other chapters	8 am