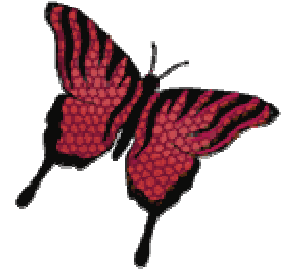


BIOLOGY II - Biology 140 - 2009
MWF 11:00 - 11:50



Dr. Rosanna Cappellato
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 Office hours: (FJ 136E) T and W 1:00-3:00pm

	<u>TOPIC</u>	<u>Readings</u>
W Jan 14	Course Introduction	
F 16	Evolution Introduction, Definitions, Sources of Evolution	Ch. 22 & 23
M 19	<i>Martin Luther King Memorial Day.</i>	
W 21	Evolution: Speciation, Macroevolution	Ch. 24 & 25.4, 25.5
F 23	QUIZ 1 Endosymbiotic theory for eukaryotes and prokariotes	Ch.26.6 & 27
M 26	Protists	Ch. 28
W 28	Plants and Fungi	Ch. 29.1, 29.2, & 31
F 30	Animals	Ch 32 & 34.1
M Feb 2	Animals	
	<i>4:30pm. Biology Lecture by Dr. Mike Sears</i>	
W 4	Animals	Ch. 34
F 6	EXAM I	
M 9	Plant Biology	Ch. 30 & 35
W 11	Plant Biology	Ch 36
F 13	Plant Biology	Ch. 38
M 16	QUIZ 2	
W 18	Animal Form and Function	Ch. 40 to 40.2
F 20	Nutrition	Ch. 41
M 23	Nutrition	
W 25	Circulation	Ch. 42.1 to 42.4
F 27	Circulation	
M Mar 2	EXAM II	
	<i>4:30pm: Biology Lecture by Dr. Jonathan Schilling</i>	
W 4	Gas exchange	Ch. 42.5 to 42.7
F 6	Immune system	Ch. 43
M 9	Osmoregulation	Ch. 44
W 11	Osmoregulation	
F 13	QUIZ 3 - Muscle	Ch. 50.5 to 50.6
Mar 16- 20	<i>Spring Break</i>	
M 23	Muscle- Nerve function	Ch. 48
	<i>4:30pm Biology Lecture by Dr Breea Govenar</i>	
W 25	Nerve function	
F 27	Sensory system	Ch. 50.1 to 50.4
M 30	Sensory system	
W Apr 1	EXAM III	
F 3	Hormones	Ch. 45

M	6	Hormones	Ch. 46
W	8	Reproduction	
F	10	<i>Easter Break</i>	
M	13	Behavior	Ch. 51
W	15	Quiz 4 Ecology	Ch. 50
F	17	Ecology	Ch. 52
M	20	Ecology	Ch. 53
W	22	Ecology	Ch. 54
F	24	Ecology	Ch. 55
M	27	Evaluations	
W	29	EXAM IV	
F	May 1	URCAS	
	May 4	1:00pm: FINAL EXAM .	

COURSE OBJECTIVES

The goal in this course is to provide you with the best possible introduction to the biology of living organisms. Throughout the semester, you will be learning the current knowledge and fundamental principles of the following general topics:

- 1) The process of evolution and the diversity of life.
- 2) Plant biology (comparative anatomy and physiology)
- 3) Animal biology (comparative anatomy and physiology)
- 4) Animal behavior
- 5) Ecology

After successfully completing this course you will have gained a very thorough background in organismal level biology. For those going on in Biology, this background (along with Bio. 130) will prepare you for taking our upper-level courses. But whether or not you take any more biology courses, the critical thinking skills and knowledge you will have gained here are important for you to understand your position as a single, but highly influential, animal in the network of organisms inhabiting earth.

EXPECTATIONS

While an introductory course, this is a rigorous course in the second of the introductory series. Please note that the way in which things are done in this course will be different from Biology 130. I expect that you will have looked over the assigned reading before we cover this material in class. I also expect that you will go back and read carefully the assigned chapters and review your class notes within a day or two of their being given. If you wait until the night before quizzes and exams to study, you will have an unpleasant experience and will not perform as well as you would like.

You are responsible for your own mastery of the material. If you have questions about concepts presented in the text or lectures, it is your responsibility to find the answers to these questions. That means doing things like re-reading carefully the text, working with the material, and asking me.

The syllabus above will be followed as closely as possible. That means exams will be given on the dates listed. If you fail to appear for an exam or a quiz you will receive a zero for that exam or quiz. You may be excused from an exam or quiz only if you contact me well in advance.

HONOR SYSTEM

I support the honor system in all matters.

GRADING

You will be given four 25-point quizzes (15 minutes) and four 100-point section exams (50 minutes). Three of these exams will be during class meetings and one during finals week in our final exam period. I will drop the lowest of the four quizzes and the lowest of the four standard exams. Exams and quizzes will be based on material presented in class plus figures, tables, and terms in the text that are mentioned during lecture. No make-up exams will be given except at my discretion in rare instances of approved medical problems or emergencies

There will be at least three seminars offered by the Biology department during the semester. They are listed in the syllabus. As part of this course you must attend two of them, and submit a typed, one-page double-spaced summary and critique of the seminar. These are due by the start of the next class following the seminar.

Attendance is required. Unexcused absences will lower your grade. Excused absences must be requested in advance. Emergencies must be explained within 24 hours.

Grading: 510 points total.

✓ Exams: 100 pts each - 3 best of 4	300
✓ Final exam: 100 pts	100
✓ Quizzes: 25 pts each - 3 best of 4	75
✓ Summary seminars: 2 for 10 pts each	20
✓ Attendance	15

Grading Scale

100-92% "A" - 92-90% "A-"
 90-88% "B+" - 88-82% "B" - 82-80% "B-"
 80-78% "C+" - 78-72% "C" - 72-70% "C-"
 70-68% "D+" - 68-62% "D" - 62-60% "D-"
 < 60% "F"



COURTESY, CHERYL B. SHULTZ/ENR