



# BIOLOGY 1114

## CRN 20491

# Spring 2010

## Tentative Syllabus

### GENERAL BIOLOGY

CRN 20491: T R 2:00 - 3:50 PM

201 HOH (Howell Hall)

<http://www.metabolism.net/bidlack/>

<http://biology.uco.edu/bidlack/>

### Dr. Jim Bidlack

301B HOH (Howell Hall - Office)

252 HOH (Lab Annex Building - Lab)

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Office Hours: 4:00 - 5:00 PM MTWR  
or by appointment

**GENERAL BIOLOGY:** An introduction to the fundamental principles of biology, including cell biology, energetics and metabolism, plant and animal systems, heredity and evolution, and ecology. No college prerequisites; high school biology and/or science is required.

<u>Date</u>	<u>Lecture topic</u>	<u>Chapter</u>	<u>Pages</u>
<b>January</b>			
12 T	Introduction, unity and diversity of life	1,16,Epilogue	1-10,258-261, 798-799
14 R	Scientific method, chemistry	1,2	11-18,19-33
19 T	Chemistry, biological molecules	2,3	19-33,34-49
21 R	Biological molecules	3	34-49
26 T	Cell structure, enzymes	4,5	50-71,72-91
28 R	Enzymes, photosynthesis	6	92-105
<b>February</b>			
2 T	Photosynthesis, respiration	7	106-122
4 R	Additional exam material, molecular biology	12	186-195
9 T	<b>EXAM I</b> , molecular biology	12	186-195
11 R	Protein synthesis, genetic control	13,14	196-207,208-219
16 T	Genetic engineering	15	220-236
18 R	Mitosis and meiosis	8,9	123-137,138-151
23 T	Mendelian and population genetics	10,17	152-167,274-289
25 R	Additional exam material, evolution	16,17	238-263,264-289
<b>March</b>			
2 T	<b>EXAM II</b> , evolution	17,18	264-289,290-302
4 R	Viruses, monerans, protistans, fungi, plants	19,20,21, 22	303-317,318-331, 332-349

<u>Date</u>	<u>Lecture topic</u>	<u>Chapter</u>	<u>Pages</u>
<b>March (continued)</b>			
9 T	Plant morphology and anatomy	26,28	423-439,454-461 <a href="#">Internet study</a>
11 R	Plant nutrition and transport	27	440-453
16 T	Spring Break		
18 R	Spring Break		
23 T	Additional exam material, animal diversity	23	360-383
25 R	<b>EXAM III</b> , animal diversity	23	360-383
30 T	Human evolution, tissues, systems	24,29	384-409,476-489

## April

1 R	Nervous and endocrine systems	30,32	490-511,526-543
6 T	Circulation, immunity, respiration	34,35,36	558-579,580-597, 598-615
8 R	Respiration, digestion, reproduction	36,37,39	598-615,616-635, 650-684
13 T	Human reproduction and development	38	650-684
15 R	<b>EXAM IV</b> , population ecology	40	685-705
20 T	Community interactions, ecosystems	41,42	706-731,732-753
22 R	Biosphere, human impact	43	754-783
27 T	Animal and social behavior	44	784-797
29 R	Additional exam material		notes

## May

3-7 M-F **FINAL EXAMINATIONS**

**CRN 20491:** The Final Exam is scheduled for Thursday, 6 May at 1:00 - 2:50 PM. It will be approximately 1/2 comprehensive and 1/2 new material. *Note that the final exam is scheduled for the second to last day during finals week. What a great opportunity to study!*

**Additional course information:** Students are encouraged to read the book before coming to class. Review what pages will be discussed in lecture by looking at the pictures, figures, and illustrations. Browse the information and then move on to reading the text to acquaint yourself with the learning material. If you prefer computer, Internet, and multimedia presentations of some material, use the computer CD that comes with the textbook. After lecture, you should review your notes and try the practice exams that are available at the Copy Center (basement of Nigh University Center).

# BIOLOGY 1114 - GENERAL BIOLOGY

Spring 2010 – CRN 20491 • Instructor - Dr. Jim Bidlack  
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Office: MTWR 4:00 - 5:00 PM, 301B Howell Hall

*Avoid Scheduling Office Visits Just Before Class*

**Textbook:** Starr, C., C.A. Evers, and L. Starr. 2008. *Biology Concepts and Applications*. Seventh Edition. Brooks/Cole, A Division of Thomson Learning, Inc., Belmont, CA.

**Attendance:** Students are expected to attend all classes.

**Grading:** An approximate breakdown of points for the course is as follows:

4 lecture exams @ 100 points each	400
1 final exam @ 200 points	200
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TOTAL POSSIBLE POINTS	600

Grading scale	Grade	Points needed
90 - 100% of total possible points	A	540
80 - 89% of total possible points	B	480
70 - 79% of total possible points	C	420
60 - 69% of total possible points	D	360
Below 60% of total possible points	F	-

**Exam material:** At least half of the exam material will come directly from lecture. Other questions may come from readings in the text, end-of-the-chapter questions, or combinations thereof. For best performance, read the assigned text before attending lecture and review lecture notes after each class. Study your notes carefully and review the major topics provided in the text prior to each exam. Sample exams are available in the Copy Center (basement of the Nigh University Center) and on reserve in the Max Chambers Library. These sample exams should be used as a study guide and not as the sole source for exam preparation.

**Exams:** Translation dictionaries are not permitted during the exam. Semester exams, and the final exam will consist mostly of multiple-choice, matching, true-false, short answer, and short essay questions. All exams count in determining the final grade. Make-up exams will be given only in extenuating circumstances and will usually consist of long essay questions.

**Cheating:** All work should be that of the student alone. If the instructor determines that a student has cheated on an exam or any assignment, the student will receive no credit for that exam or assignment and the student's name will be reported to the proper authorities.

For additional student information that accompanies this syllabus, go to the link on the Internet at:

<http://www.uco.edu/academicaffairs/StudentInfoSheet.pdf>