

COURSE INFORMATION

BIOLOGY 1108 - PRINCIPLES OF BIOLOGY II - SPRING 2006

Biology 1108-1108L is an introduction to the fantastic diversity of life forms that populate planet Earth. The focus of this course is on organisms - including the evolutionary history and characteristics of the major groups of organisms - prokaryotes, protists, fungi, plants and animals - the structure and function of plants and animals, animal development and the ecology of organisms.

LECTURE:

Dr. William Barstow, Room 405 Biol Sciences, 542-1688 barstow@plantbio.uga.edu

Ms. Kristen Miller, Room 402 BioSciences, 542-1681. krmiller@uga.edu

LAB PROGRAM DIRECTOR:

Ms. Kristen Miller, Room 402 BioSciences, 542-1681. krmiller@uga.edu. See Ms. Miller with questions regarding the laboratory program.

DATA COLLECTION SPECIALIST:

: Ms. Yolanda Davis, Room 403 BioSciences, 542-1684. ydavis1@uga.edu. See Ms Davis for questions about: test scores, - enrollment, - withdrawals, - exam scheduling, - absence excuses.

DEGREE PROGRAM SPECIALIST - BIOLOGY MAJORS OFFICE:

Ms. Francine Palevitz, Room 411 BioScience, 542-1691, palevitz@arches.uga.edu.

See Ms. Palevitz or Mr. Joey Freeman for general information concerning the Biology Major and advising.

INTERNET : The Biology Division homepage is: <http://www.biosci.uga.edu>

Click **almanac** and then **Biology 1108** for course announcements, notes, outlines, checking your grades and internet links. All Biology 1108 course material will be placed on **WebCT**.

MEDIA RESOURCES: Your textbook comes with a Student Media CD-ROM and an access code that allows entry into the textbook support website at www.campbellbiology.com. Lots of useful information here - including self-test questions.

TEXTS:

1. Required -- **Biology**. Seventh Edition by Neil Campbell and Jane Reece. (You may also wish to purchase the Student Study Guide to the seventh edition by Martha Taylor).
2. Required – Laboratory Manual for Principles of Biology II, Biology 1108L, Third Edition
3. Required – Laboratory Journal, BIOL 1108 (shrink-wrapped with the Lab Manual)

BIOSCIENCE LEARNING CENTER - Room 406 BioScience. Available in the BLC are class notes on the "web" with links to related sites, interactive question modules, computer programs, and Internet access.

BLC hours Monday – Thursday; 8:30 am - 7:00 pm, Friday 8:30 am - 5:00 pm.

The BLC is closed on weekends.

The BLC web site (<http://www.biosci.uga.edu/blc/>) has a complete list of all the videotapes, books, slides, etc. that are on reserve for student use in the BLC.

LECTURES are in room 404E BioScience. We expect you to attend all of the lectures. Our experience shows a high correlation between higher test grades and attendance. Please arrive on time and avoid leaving early.

ASSIGNED SEATS: After drop-add you will be assigned a permanent seat in the 404E lecture hall. Please arrange to find a seat where you would like to sit for the entire semester.

EXAMINATIONS will be objective and will be machine graded. YOU WILL NEED A #2 PENCIL FOR THE EXAMS. Grades will be reported to you on WebCT. If you have any questions about your test scores, check with Ms. Davis room 403).

LABORATORY: Attendance in laboratory is mandatory. You must attend laboratory and complete All assignments. You will receive a grade of zero for any exercise you fail to complete. In the event that an extreme emergency (documented illness, death in the family, etc.) causes you to be absent from lab, it is your responsibility to arrange a make-up assignment or reassignment to another lab section. **Students who miss 4 labs and do not have a valid excuse will be dropped from the course. Students who miss 4 labs and have a valid excuse will be given an automatic Incomplete for the course.** A lab coat is required at all times in the laboratory. Please read each exercise in the laboratory manual before attending lab so you will be able to work more efficiently. Graduate Laboratory Assistants (GLA's) will help you with the exercises. Their office hours will be posted outside Room 406 and on the lab bulletin board on the 3rd floor. See your GLA for any help you need with laboratory material.

The following items are available from the UGA book store. You will need: 1. Biology 1108 Laboratory Manual, 2.Lab Supply Card, 3.Lab Coat

GRADES: There are 4 one hour exams and a comprehensive final exam. Each exam question is worth two points and each hour exam will have **50** questions for a total of **400** points during the semester. The final exam will have **100** questions worth **200** points. There are **300** points available from the laboratory. Total points for the semester are **900**. Final grades are based on your accumulated points and will be awarded as listed below:

<u>Possible Points for the Semester</u>	<u>% of Total Points</u>	
Exams - 5 exams		400 points
	A =	90 - 100
Lab reports and quizzes		300 points
	B =	80 - 89
Final Exam		200
	points	
	C =	70 - 79
	D =	60 - 69
Total		900 points

In order to pass the course you must have a complete and satisfactory lab grade (that is, you must attend every lab and have at least 60% of the total points in lab).

SPECIAL CONSIDERATION IN DETERMINING YOUR FINAL GRADE: In some cases you may feel that your total points do not accurately reflect your actual level of achievement in the course. This is especially true for people within a few points of the next highest grade. Unfortunately, there is no reasonable way to award higher grades to some borderline cases and not to others and still consider the grading system fair to all. In an effort to take into account all special cases whether or not they are "borderline", **the comprehensive final exam may be reviewed as a separate item.** The final exam will be counted in two ways. First, the final is 200 points. You will be assigned a course grade based on total points as shown in the explanation above. Then, your final exam score will be given a letter grade. If your letter grade on the final is higher than the letter grade assigned from total points, then you will be awarded the higher grade. You can raise your grade in the course one letter grade. However, in order to raise your grade through the final exam, you must have a complete and satisfactory lab grade (that is, you must have completed all lab assignments and have at least 65% of the total points in lab).

INCOMPLETE: The grade of incomplete is given to students who for reason of illness or accident were unable to complete a segment of the course. Only that segment that was missed will be made up to remove the incomplete. In no case will the grade of incomplete be given as a means to avoid a failing grade.

ACADEMIC HONESTY: Any person appearing to be academically dishonest will be immediately reported to the office of the Vice President for Instruction. For more information regarding academic dishonesty, please consult "A Culture of Honesty" available in the Biology Instruction Office (room 403). The penalties for academic dishonesty can be severe.

FINAL EXAM : - Tuesday May 9, 2006 - 3:30 - 6:30am - rooms to be assigned

TOPICS: Biology 1108 will explore the material in selected chapters from the last four units in the 6th edition of Campbell and Reese BIOLOGY. These topics include:

UNIT FIVE - THE EVOLUTIONARY HISTORY OF BIOLOGICAL DIVERSITY

1. Chapter 26 Early Earth and the Origin of Life
2. Chapter 27 Prokaryotes and the Origins of Metabolic Diversity
3. Chapter 28 The Origins of Eukaryotic Diversity
4. Chapter 29 Plant Diversity I: How Plants Colonized Land
5. Chapter 30 Plant Diversity II: The Evolution of Seed Plants
6. Chapter 31 Fungi
7. Chapter 32 Introduction to Animal Evolution
8. Chapter 33 Invertebrates
9. Chapter 34 Vertebrate Evolution and Diversity

UNIT SIX - PLANT FORM AND FUNCTION

1. Chapter 35 Plant Structure and Growth
2. Chapter 37 Plant Nutrition

UNIT SEVEN - ANIMAL FORM AND FUNCTION

1. Chapter 41 Animal Nutrition
2. Chapter 42 Circulation and Gas Exchange
3. Chapter 43 The Body's Defenses
4. Chapter 44 Regulating the Internal Environment
5. Chapter 45 Chemical Signals in Animals
6. Chapter 46 Animal Reproduction
7. Chapter 47 Animal Development

UNIT EIGHT - ECOLOGY
1. Chapter 54 Ecosystems