

Biology 101
 11:30-1 M-F
 201 Coker

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 Summer II 2011

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DATE	SUBJECT		READING (optional in parenthesis)
TH June 16	1.	Introduction, Scientific Method, Molecules	1, (2) 3
F June 17	2.	Cell Structure,	4
M June 20	3.	Prokaryotes, Eukaryotes, Cell Function	16.1-16.12, 16.14, 5
TU June 21	4.	Harvesting Energy	5
W June 22	5.	Photosynthesis	7
TH June 23	6.	TEST on 1-4	
F June 24	7.	Cell Cycle: Mitosis, Meiosis	8
M June 27	8.	Introduction to Inheritance	9
TU June 28	9.	Introduction to DNA	10
W June 29	10.	Protein Synthesis	10
TH June 30	11.	TEST II on 5, 7,8,9	
F July 1	12.	Control of Gene Expression, Human Genetics	11
M July 4		Independence Day Holiday	
TU July 5	13.	Evolutionary History, Population Genetics	13
W July 6	14.	Speciation	14
TH July 7	15.	Introduction to Organisms	20
F July 8	16.	TEST III on 10, 12, 13, 14, 15	
M July 11	17.	Chemical Regulation in Animals	26
TU July 12	18.	Reproduction	27
W July 13	18.	Hormonal Control of Reproduction	27
TH July 14	20.	Plant Reproduction and Control	31.9-31.15, 33
F July 15	21.	Ecosystem Ecology	34
M July 18	22.	Population & Community Ecology	36,37
TU July 19	23.	Behavior	35
Th July 21		FINAL EXAM in this room	11:30-1:30

The required book is Concepts and Connections, 7e by Reece et. al. Each test will be 90 points. Make-up tests will not be given. If one is missed with excuse handwritten by you, the grade will be replaced by the test average. Tests will not be cumulative. Grading mistakes must be discussed before the next test. The final exam **Thursday, July 21**, will be worth 90 points, and will be cumulative. Homeworks will count for 10% of the semester grade. Late homeworks receive no points. Check Mastering Biology and Blackboard.unc.edu daily. All course materials including your notes and assignments are covered by the University's Copyright Policy, @ <http://www.unc.edu/campus/policies/copyright%20policy%2000008319.pdf> Student works that constitutes notes of lecture or labs or material from Mastering Biology are copyright by the university and/or the publisher and shall not be used for commercial purposes, including uploading to any internet site.

Required Course Resources: The required book is Campbell Concepts and Connections, 7e by Jane Reece, et. al. Mastering Biology, the web based homework and study site must be included. There will be homework from Mastering Biology (see Sakai.unc.edu for how to sign into MB). Because you will need frequent access to Sakai and MB, internet access is essential.

Grading:

Tests: Each test will have 45 multiple choice questions worth 2 points each for 90 points total. If a test is missed with acceptable excuse, the other two will be averaged for the missing grade. If you miss a test, you must **HANDWRITE** an excuse explaining what circumstance beyond your control caused you to be absent. You must give that note to me in class. There is no option to drop a test grade and there are no extra credit options. Tests will not be cumulative. Potential grading mistakes must be discussed before the next test. (Compare your grade from the web (not Sakai) with the score you get by comparing your answers with the Test answers posted on Sakai. We have never found a mistake on the machine scored tests, but you have the right to be sure you're not the first.) Each score will disappear when the next is posted, so keep track of your grades. The final exam, 11:30 **Thursday, July 21** in this room, will also be worth 90 points, and will be cumulative. The tests and final will each count equally and will, together, make up 90% of your grade. The homework from Mastering Biology (see the Sakai site for how to register for our course homeworks) will make up 10% of your grade. For each of the first two tests and for the sum of 3 tests I will estimate a letter grade scale. I do not have a pre-determined scale (such as 93-100 is an A) although the scale is usually similar to a 7 or 10 point scale. In Biology, the grade of C is average. In other words the average student will get a C. More students will get a C than will get any other grade. It is not a bad thing to get a C in Biology 101. It should not dissuade you from being a major or continuing in science. You did as well as the average Carolina student and that is quite good.

Homework: You are fortunate to have a great study tool in the Web-based program Mastering Biology. The program is keyed to your book and you will benefit greatly from your use of it. Almost every class period will have a homework associated with it. Most are due before class, some after, so pay attention to the due dates. The homework has a time and day that it is due with **no credit for late work**, so since your time and the program's time may not be synced exactly, plan to get it finished and submitted well before the time it is due. I recommend that you not begin any homework later than 10pm on the evening it is due. Although there may be a published estimate of the time an assignment takes, student times vary considerably. Aim to have it done 12 hours in advance. The homework is generally not hard and is meant to offer additional learning. The first assignment will help you understand Mastering Biology including different numbers of points gained depending on whether you get it right the first time, have to try more than once, and/or ask for hints. The first assignment is also designed to test out your system and how it works with the Mastering Program. If you have difficulties, try a different browser or a different computer. If all else fails, contact tech support for the program. If you email me before 11 pm on an evening that homeworks are due to tell me you are having technology problems, I will extend your deadline.

Everything about the homework program and the Mastering Biology website is copyright. I remind you of the agreement you sign when you register for the program which indicates:

- ✓ Login credentials (login name/username and password) may not be shared with others or otherwise disclosed to unauthorized third parties for any purpose whatsoever.
- ✓ Except as you may be expressly permitted by this Agreement, you may not use, modify, adapt, reformat, download, upload, post, reproduce, broadcast, publish, display, perform, transfer or redistribute any Materials in any form, format or media or by means of any technology without obtaining the prior written authorization of Pearson and any other owner of the Intellectual Property Rights in such Materials.

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- ✓ You may not post Materials from the Website [including your answers to any homework or test questions provided by the Website] to newsgroups, mail lists, electronic bulletin boards, [homework sites, content aggregators, file storage services] or any other on-line destination.
- ✓ You may not reproduce any illustrations, charts, photographs, outlines, extensive text excerpts, chapters, or e-books included in the Materials for any use outside of the class with which the Website is being used.

Any breach of this agreement is punishable in a court of law as well as in Honor Court.

Class attendance: My assumption is you will be in class every day unless something serious comes up in your life to prevent it. There will certainly be questions on tests that come from in-class material not in the book. We will also do in-class exercises which will be used as an attendance check. When you are in class be respectful of your classmates: keep your laptop on topic (not on Facebook) and your comments to yourself or the class as a whole, not your neighbor. Please fill seats in the middle of rows so that those arriving late will not have to crawl over a bunch of you to take a seat.

Copyright Information: All materials used in this course including notes, tests and assignments are covered by copyrights which forbid you from sharing class materials with any group. The University's Copyright Policy, which can be found at <http://www.unc.edu/campus/policies/copyright%20policy%2000008319.pdf> indicates "STUDENT WORKS THAT CONSTITUTE NOTES OF CLASSROOM AND LABORATORY LECTURES AND EXERCISES SHALL NOT BE USED FOR COMMERCIAL PURPOSES BY THE STUDENT GENERATING SUCH NOTES." What this means is that you are in violation of the law (and the honor code) if you post/text/share any course materials for use by others. Sharing your notes with other individuals in the class is fine.

Class Cancellation: In case of bad weather, my class is canceled if city buses are canceled or seriously rerouted. If Chapel Hill Transit decides the roads aren't safe for the buses, they aren't safe for me! I will do my best to post an announcement on Sakai if class is ever cancelled.

What you should plan to do in this course

- Read/skim the assigned reading for each class before coming to class.
- Check Sakai for announcements every day.
- Come to every class and take notes including the projected slides and what is said to enrich that material.
- Be sure your in-class behavior enhances your learning and that of those around you. Talk to classmates before class. Exchange names and phone numbers. Do not talk to your classmates after class has started. If whispers of others bother you, ask them to be quiet. If you find that you must arrive after the beginning of class or leave before the end, sit near the door. Do not walk down aisles or come to the front of the room while others are trying to pay attention, this is disruptive to the class and the instructor.
- Ask questions in class if there is material that confuses you.
- Study class notes and any notations you have from the book (keep book notes brief - most test questions will be from the class notes) daily. At least twice a week, study all the notes you have taken since the last test. Remember 2 hours of study for each hour of class. Grades correlate more with hours spent on the course than almost anything else.
- Be sure that each new bit of information is integrated, attached, and connected to other information you have

learned in the course. For any single bit of information in your notes, you should be able to think of three other places in the course where it relates.

- Study with others. If you just talk about the material, you will learn more. Form/find a study group and meet often (not just before the test) to compare notes. Be sure you know how to contact at least two classmates.
- Take your book or notes questions to Supplemental Instruction sessions. Data show that students who attend these sessions make higher scores on the tests. There is also tutoring available in the evening in Dey hall. Details about these sessions can be found on our class site at Blackboard.unc.edu.
- Understand that there are many levels of "knowing." You may completely "know" the material in the sense that you could recite it back, but not be able to use the material to evaluate or predict or analyze. It is this more complex type of knowing that will be important on the tests.
- Check old tests to practice test-taking. (Do not use old tests as a study guide.) Take advantage of any other out-of-class resources recommended. Uphold the honor code that not only requires that you act honorably, but requires you to be responsible for seeing that others do so.
- Find your test score on Connect Carolina (not Blackboard). Write it down, it may disappear when the next test is posted. Wait at least 3 hours after seeing your score before emailing me about the grade. Check the posted key after each test and complete the Test Analysis for each test to assess what you should do differently to improve your grade on the next test.
- Stop by to chat during my Wednesday office hours.
- Learn a lot of biology!
- Have fun! Life is too short not to.