

| | DATE | | SUBJECT | READING (optional in parenthesis) |
|-----------|---------------|------------|--|-----------------------------------|
| Tu | Aug 23 | 1. | Course materials, Process of Science | 1, (2) UE site-see Sakai |
| Th | Aug 25 | 2. | Molecules | 3 |
| Tu | Aug 30 | 3. | Cell Structure | 4 |
| Th | Sep 1 | 4. | Prokaryotes, Eukaryotes | 16.1-16.7 |
| Tu | Sep 6 | 5. | Cell Function/Transport | 5 |
| Th | Sep 8 | 6. | Harvesting Energy | 6 |
| Tu | Sep 13 | 7. | Photosynthesis | 7 |
| Th | Sep 15 | 8. | Test I | |
| Tu | Sep 20 | 9. | Cell Cycle, Mitosis | 8 |
| Th | Sep 22 | 10. | Meiosis | 8 |
| Tu | Sep 27 | 11. | Introduction to Inheritance | 9 |
| Th | Sep 29 | 12. | Inheritance, continued | 9 |
| Tu | Oct 4 | 13. | Introduction to DNA | 10.1-10.9 |
| Th | Oct 6 | 14. | Protein Synthesis | 10.10-10.16 |
| Tu | Oct 11 | 15. | Test II | |
| Th | Oct 13 | 16. | Gene Regulation | 11.1-11.11 |
| Tu | Oct 18 | 17. | Human Genome | |
| Th | Oct 20 | | FALL BREAK | |
| Tu | Oct 25 | 18. | DNA Technology | 10, 11 (remainders) |
| Th | Oct 27 | 19. | Evolution History, Population Genetics | 13 |
| Tu | Nov 1 | 20. | Speciation, Classification | 14 |
| Th | Nov 3 | 21. | Plant Reproduction and Development | 31.9-31.15, 33.1-33.9 |
| Tu | Nov 8 | 22. | TEST III | |
| Th | Nov 10 | 23. | Chemical Regulation in Animals | 26 |
| Tu | Nov 15 | 24. | Animal Reproduction | 27 |
| Th | Nov 17 | 25. | Hormonal Control of Reproduction | 27 |
| Tu | Nov 22 | 26. | Biosphere | 34.1-4, .9, .14 |
| Th | Nov 24 | | THANKSGIVING | |
| Tu | Nov 29 | 27. | Population Ecology | 36 |
| Th | Dec 1 | 28. | Community & Ecosystem Ecology | 37 |
| Tu | Dec 6 | 29. | Behavior | 35 |
| TH | Dec 15 | 29. | FINAL EXAM | 8 AM!!! |

Required Course Resources: The required book is Campbell Concepts and Connections, 7e by Jane Reece, et. al. MasteringBiology, the web based homework and study site must be included. See Sakai.unc.edu for how to sign into MB for homework. All course materials including your notes and assignments are covered by University Copyright Policy, @ <http://www.unc.edu/campus/policies/copyright%20policy%2000008319.pdf>

Grading:

Tests: Each test will be 45 multiple choice questions worth 2 points for 90 points total. If a test is missed with acceptable excuse, the other two tests will be averaged to make up 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 ConnectCarolina 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.) The final exam, **8 am (groan), Thursday, Dec 15 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. There will also be homework from Mastering Biology (see the Sakai site for how to sign into the site). The homework will make up 10% of your grade. For each of the first two tests and after the third test I will give you an **estimated** 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 10 Percentage 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 biology major or continuing in science. It means you did as well as the average Carolina student.

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. This homework is generally not hard and is meant as much to offer additional learning as to "test" you. Be sure you do all assignments. 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.
- ✓ You may not reproduce, use, sell, transmit, publish, broadcast, or otherwise disseminate or distribute Materials from the Website to anyone, including but not limited to others in the same company, school, college or other organization, whether or not for a charge or other consideration, including but not limited to use in with "course packets" or with courses which do include the Website part of the curriculum.

- ✓ 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.

The reading and the homework are designed to be sure that you are familiar with the material before you come to class. You should know the general concepts and the terminology. This will allow us to use class time to expand on difficult points and to give you practice working with concepts from the lesson.

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 that is not in the book. We will also do in-class exercises which will sometimes 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 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.

How to be successful 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 that include what is on 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 Sakai.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 Sakai). 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. You can find me in 3002 Steele on Mondays from 9-3 and in 302 Coker, my biology office, at other times. Drop-ins are OK on Mondays, but appointments are preferred at other times. You may phone me at home (but not after 9 PM).
- Learn a lot of biology!
- Have fun! Life is too short not to.