- Turn off cell phones during class and lab; there is no reason you should be texting or calling anyone.
- Don't talk during lecture; if you don't understand something or didn't hear something ask.
- If you would like to use a laptop to take notes, please sit in the first two rows.
- Unless it's an emergency (and using your cell phone does not constitute an emergency) do not get up in the middle of lecture, leave and come back.
- Do not leave class early unless you have informed me prior to the start of the class or if it's an emergency.
- During exams NOBODY can leave the exam and re-enter the exam room. If a student leaves, their exam will be graded as is; the student will not be allowed to finish the exam.

Withdrawing from the course: The last day to withdraw without penalty is March 6th, 2014. If you don't officially withdraw, and instead just stop coming to class, you will receive an "F" for the course.

Academic conduct: Cheating and plagiarism will not be tolerated and may result in a failing grade for the assignment, exam or the class. The Department of Biology has a plagiarism policy, which will be handed out during the first lab period.

Privacy Act (FERPA): The Family Educational Rights and Privacy Act (FERPA) prohibits the public posting of grades by social security number or in any manner personally identifiable to the individual student. No grades can be given over the telephone or over email because positive identification can't be made.

Students with disabilities: Students requiring special accommodations because of disability must discuss their needs with me as soon as possible. Those needing accommodations who are not registered with the Special Services Program must contact the Access Office for Students with Disabilities located in Farber Hall. The phone numbers are 245-2498 (voice) and 219-1348 (tty).

Exams: The dates for the exams are included in the Tentative Class Schedule. Note, that these are TENTATIVE, therefore the professor reserves the right to adjust the dates of the exams. YOU MUST BRING A PENCIL WITH YOU. All cell phones must be turned off during exams. All bookbags, books, purses etc. must be placed on the stage (in the front of the room) at the start of the exam; NO EXCEPTIONS. If you do not feel comfortable putting your purse, bag, books, etc. on the stage don't bring them with you to class. Hats cannot be worn during exams.

The lowest exam score (excluding the final) will be dropped. Therefore, no make-up exams will be given. If you miss one exam for any reason, then that exam score will be dropped from your overall grade. If you miss more than one exam then you will receive a zero on the missed exam(s). Only students with a University related excuse may take an exam early.

Final: The final will be cumulative and will have a format similar to the other exams. The date of the final is **Wednesday, May 7 (2:45 p.m. 4:45 p.m.). NO EARLY EXAMS WILL BE GIVEN!**

Grade Scale:

For Biology majors, a grade of C or higher is required for this course.

A 90-100%
B 80-89%
C 70-79%
D 60-69%
F < 60

Grade

4 lecture exams (each worth 100 points; total of 300 points with one dropped exam)
Cumulative final (worth 100 points)
Clicker quizzes (worth 50 points)

Lab Component:
Various lab assign.9 65379as699.22 Tm[ )]TJETBT1 0 0 1 144.02 653.2625[7(ab)4(as)-2(s) 72.d 25(i)3(ar

April		
	1	Chapter 34: The Plant Body (continued); Chapter 35: Transport in Plants
	3	Chapter 35: Transport in Plants; Review for Exam 3
April		
	8	**Exam 3**
	10	Chapter 36: Plant Nutrition
	15	Plant Nutrition (continued); Chapter 37: Regulation of Plant Growth
	17	Chapter 38: Reproduction in Flowering Plants
	22	Reproduction in Flowering Plants (continued)
	24	Chapter 39: Plant Responses to Environmental Challenges
	29	**Exam 4**
May		
	1	Review for Final Exam
	7	**FINAL EXAM (Wednesday, 2:45 - 4:45 pm)**

Topics Covered on GRE Biology Subject Test

The approximate distribution of questions by content category is shown below.

Physiology Related Topics Covered on MCAT

SPECIALIZED EUKARYOTIC CELLS AND TISSUES

A. Nerve Cell/Neural

1. Cell body (site of nucleus and organelles)
2. Axon (structure, function)
3. Dendrites (structure, function)
4. Myelin sheath, Schwann cells, oligodendrocytes, insulation of axon
5. Nodes of Ranvier (role in propagation of nerve impulse along axon)
6. Synapse (site of impulse propagation between cells)
7. Synaptic activity
   a. transmitter molecules
   b. synaptic knobs
   c. fatigue
   d. propagation between cells without resistance loss
8. Resting potential (electrochemical gradient)
9. Action potential
   a. threshold, all-or-none
   b. sodium potassium pump
10. Excitatory and inhibitory nerve fibers (summation, frequency of firing)

B. Muscle Cell/Contractile

1. Abundant mitochondria in red muscle cells (ATP source)
2. Organization of contractile elements (actin and myosin