BI 305 Cell Biology, Spring 2013

Instructor: Dr. Amy E. Crews

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Office Hours:

M	11:00-1:00
T	10:00-12:00
W	11:00-12:00
Th	12:00-1:00
F	9:00-10:00

Text: *Essential Cell Biology*, 3rd edition, by Alberts *et al*. (2010). ISBN 978-0-8153-4129

Attendance: Attendance at all class sessions is expected and will be taken at the beginning of each class meeting. Excessive lateness will be treated as an absence. Attendance is crucial to understanding the material presented. There is a direct correlation between the number of absences a student has and how poorly he/she performs in a class. Although the university no longer has a set attendance policy, I do. My attendance policy states that your course grade will be lowered a letter grade for ***each*** absence over six (6), which is the equivalent of two weeks of classes. You are responsible for all announcements and class material you may miss because of absences.

Classroom Decorum: Absolutely no cell phones are permitted during class time or lab time. Texting during class or lab time is absolutely prohibited. If you do this, you will be asked to leave class or lab for that time period. Your cell phone will be confiscated if it rings during class and interrupts class. I do not even want to see your cell phone out; if you must know what time it is, wear a watch. Do not even think of bringing your cell phone to a test! It is to remain hidden at all times. In addition, **no** base ball caps or any headgear will be allowed in class or lab; that goes for females as well as males.

Academic Honesty: Students of the university academic community are expected to adhere to commonly accepted standards of academic honesty. Allegations of academic dishonesty can reflect poorly on the scholarly reputation of the University, including students, faculty and graduates. Individuals who elect to commit acts of academic dishonesty such as cheating, plagiarism, or misrepresentation will be subject to appropriate disciplinary action in accordance with university policy.

Grading: The lecture portion of this class counts 60% of your course grade; the lab portion counts 40%. The lecture grade will be determined by performance on five lecture tests, a pathway test, and on-line chapter quizzes (which count as a lecture test grade). Each chapter we cover will have an on-line quiz that must be completed by a certain date. It is ***your*** responsibility

to check Angel to determine when the quizzes are available and when the quizzes become unavailable. There will be a comprehensive final exam, which will count as a lecture test grade.

Accommodation Statement: In accordance with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973, the University offers reasonable accommodations to students with eligible documented learning, physical and/or psychological disabilities. Under Title II of the Americans with Disabilities Act (ADA) of 1990 and Section 504 of the Rehabilitation Act of 1973, a disability is defined as a physical or mental impairment that substantially limits one or more major life activities as compared to an average person in the population. It is the responsibility of the student to contact Disability Support Services prior to the beginning of the semester to initiate the accommodation process and to notify instructors within the first three class meetings to develop an accommodation plan. Appropriate, reasonable accommodations will be made to allow each student to meet course requirements, but no fundamental or substantial alteration of academic standards will be made. Students needing assistance should contact Disability Support Services.

Lecture Schedule

290-3-3-.15(1)(a)1.(viii)
Knowledge of organization and functions of cells and multicellular systems. As demonstrated by the title of the course (Cell Biology) and the lecture topics listed below, this entire course provides a detailed knowledge of organization and functions of cells and multicellular systems. Assessed on a series of five lecture examinations as well as a comprehensive examination.

Chapter 1 Introduction to Cells

Chapter 2 Chemical Composition of Cells

Chapter 3 Energy, Catalysis, and Biosynthesis

Chapter 4 Protein Structure and Function

Chapter 11 Membrane Structure

Chapter 12 Membrane Transport

Chapter 13 How Cells Obtain Energy from Food

Chapter 14 Energy Generation in Mitochondria and Chloroplasts

Chapter 15 Intracellular Compartments and Transport

Chapter 16 Cell Communication

Chapter 17 Cytoskeleton

Chapter 18 The Cell Division Cycle

Comprehensive Final Exam (Monday, May 6, 8:00-9:45 a.m.)