

BIOL 303 – Cell Biology Syllabus, Summer 2015

Class	Day	Date	Topic	Chapter(s)
1	T	7/7	Cells	1
2	W	7/8	Biomolecules & Energy	2-3
3	R	7/9	Protein Structure & Function	4
4	T	7/14	DNA & Chromosomes	5
5	W	7/15	Exam 1	
6	R	7/16	From DNA to Protein	7
7	T	7/21	Control of Gene Expression	8
8	W	7/22	Membrane Structure	11
9	R	7/23	Transport across Membranes	12
10	T	7/28	Exam 2	
11	W	7/29	Intracellular Compartments	15
12	R	7/30	Cell Signaling	16
13	T	8/4	Cytoskeleton	17
14	W	8/5	Cell-Division Cycle	18
15	R	8/6	Exam 3	
16	T	8/11	Cell Communities	20
17	W	8/12	Metabolism & Mitochondria	13-14
18	R	8/13	Final	

Specific reading assignments and deadlines will be posted on Blackboard.

Class Meetings: Tuesday, Wednesday, Thursday 9-11:50 a.m.

Instructor: Dr. Elizabeth Feeser

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Office hours are by appointment. E-mails will usually be answered by the next school day.

Teaching Assistant: Ms. Margarita Brovkina

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Course Description (from the UMBC Catalog): A modern treatment of cell structure and function, with emphasis on the molecular architecture, biochemistry and regulatory mechanisms common to all cells. Topics include membrane structure, function and transport; molecular mechanisms of energy metabolism and its associated organelles; the structural and molecular basis for the expression of genetic information; the organelles involved in the regulation of cell shape and motility; and selected cell functions, growth, reproduction and their control. This course is designed for students interested in the biological sciences, biochemistry and the allied health professions.

Prerequisites: You must have completed BIOL 302 and CHEM 102. You must have completed either MATH 150 or MATH 151 or MATH 155, or have equivalent AP credit, or have Math test placement into MATH 151. All prerequisites must be completed with a “C” or better. *Students who have not completed the prerequisites must drop the course. Students who have not completed the prerequisites and remain in the course will receive a grade of ‘F’ for BIOL 303.*

Required Materials

- Textbook: *Essential Cell Biology*. Alberts, *et al.* (Garland) 4th edition. Reading assignments will be posted on Blackboard and should be completed before each class. If you choose to use a different textbook, you are responsible for determining the appropriate readings and will be responsible for all information in the assigned readings. A print copy of the textbook will be a useful reference during class.
- Clicker: Turning Technologies Response Card RF. Clickers must be registered through the BIOL303 Blackboard page no later than 9 a.m. on Thursday, July 8th.
- Paper and Writing Implement. You will need paper and a pen or pencil for taking notes and completing in-class assignments.

Grading

Clicker Questions	10%
Homework, Quizzes, and Active Learning Assignments	10%
Highest scores from Exams 1, 2, and 3	25%
Second highest score from Exams 1, 2, and 3	25%
Lowest score from Exams 1, 2, and 3	0%
Comprehensive Final Exam	30%

Grading scheme, class schedule, and class policies subject to change. Any changes will be announced on Blackboard.

Assignments

- Online Course Content: Blackboard is an essential component of this course. Students should check UMBC e-mail and Blackboard before and after each class meeting for course announcements and assignments. Blackboard assignments will not be announced in class.
- Exams: The lowest score from Exams 1, 2, and 3 will be dropped. There will be **no make-up exams**. If you miss an in-class exam, the missed exam will be your lowest exam grade and will be dropped. Students must arrive on time for exams; a student will not be allowed to begin an exam late if any student has completed the exam and left the exam room. Seats will be assigned on exam days, and students may not leave their assigned seats until they turn in their completed exam.

- Clickers: You should bring your clicker to every class and answer all clicker questions. Some clicker questions will be graded for accuracy, while others will be graded only for participation. The lowest 10% of your clicker grades will be dropped, so forgetting your clicker once during the semester will not adversely affect your grade. Students may only enter clicker responses on their own clicker. Entering clicker responses for another student is cheating. Both the student entering the responses and the student whose clicker is being used improperly will receive a grade of '0' for all clicker questions on the day of the infraction, and the incident will be reported to UMBC's Academic Conduct Committee.
- Homework, Quizzes and Active Learning Assignments: Assignments must be submitted in the format and at the time specified by the instructor or TA. Quizzes should be taken independently without books or internet resources, unless otherwise specified.
- Grading: If you have a question about the grading of an assignment or exam, please speak with the TA or instructor within one week of the assignment due date. No re-grade requests will be considered more than one week after the assignment due date.

Academic Integrity

"By enrolling in this course, each student assumes the responsibilities of an active participant in UMBC's scholarly community in which everyone's academic work and behavior are held to the highest standards of honesty. Cheating, fabrication, plagiarism, and helping others to commit these acts are all forms of academic dishonesty, and they are wrong. Academic misconduct could result in disciplinary action that may include, but is not limited to, suspension or dismissal. To read the full Student Academic Conduct Policy, consult [UMBC policies](#), or the [Faculty Handbook](#) (Section 14.3)."

"Student academic misconduct may take numerous forms such as, but not limited to, those listed below:

1. Fabrication: The intentional and unauthorized generation or augmentation of data, information, citation or result in an academic exercise.
2. Falsification: The intentional and unauthorized altering of any information, citation or result in an academic exercise.
3. Plagiarism: The intentional or knowing representation of the words, ideas or work of others as one's own in an academic exercise. The appropriation of the language, ideas or thoughts of another and representation of them as one's own original work.
4. Cheating: The intentional use or attempted use of unauthorized material in an academic exercise.
5. Improprieties of Authorship: Improper assignment of credit or misrepresentation of material as original without proper referencing of the original authors.
6. Facilitating Academic Dishonesty: The intentional or knowing assistance or attempted assistance of another student to commit an act of academic misconduct."

CHEATING OR PLAGIARISM WILL RESULT IN A GRADE OF '0' FOR THE ASSIGNMENT AND A REPORT TO THE UMBC ACADEMIC CONDUCT COMMITTEE. The '0' grade will not be dropped. If the lowest grades in a category is dropped, the lowest grade other than the '0' penalty for academic misconduct will be dropped.

Classroom Policies

- Cell Phones: Students are expected to turn off their cell phones and all other electronic devices 5 minutes before class begins. All electronic devices must be put in a backpack or purse during class. A student who has a phone out during class or whose phone rings, vibrates, or otherwise disrupts class will be asked to leave the classroom and may not be allowed to return. A student whose phone disrupts an exam will lose 2 points on the exam. Any student in possession of an electronic device during an exam or in-class quiz will receive a '0' on that exam or quiz.
- Laptops and Tablets: Students may not use laptops, tablets, or other electronic devices during class, except when specifically instructed to do so by an instructor or TA. A student requiring a laptop as an academic accommodation must provide the instructor with a letter of accommodation from Student Support Services. Any student with an academic accommodation who uses a laptop for any purpose other than taking notes during class will lose the privilege of using a laptop during class.
- Respectful Behavior: In order to create a positive learning environment, students must show respect for each other, the instructor, TAs, and UMBC staff. Examples of respectful behavior include arriving to class on time, staying in class until the end, being attentive, listening and using appropriate language.
- Taping Lectures: No part of a class meeting or conversation may be recorded (audio or video) without the instructor's written permission. A student requiring recorded lectures as an academic accommodation must provide the instructor with a letter of accommodation from Student Support Services.

Class Cancellation

In case of inclement weather or other emergency, UMBC posts information about class cancellations on the UMBC homepage (www.umbc.edu) and on the UMBC hotline (410-455-6789). Please check your e-mail 30 minutes before class begins for any class-specific cancellations. The instructor may require additional online coursework if a class is cancelled.

Accommodations and Support for Students with Disabilities

UMBC is committed to eliminating discriminatory obstacles that may disadvantage students based on disability. Student Support Services (SSS) is the UMBC department designated to receive and maintain *confidential* files of disability-related documentation, and serve as a liaison between faculty members and students regarding disability-related issues.

If you have a disability and want to request accommodations, contact SSS in the Math/Psych Building, Room 213 or Academic IV-B wing Room 345 (or call 410-455-2459 or 410-455-3250). SSS will require you to provide appropriate documentation of disability and complete a Request for Services form available at <http://sss.umbc.edu>. If you require accommodations for this class, make an appointment to meet with the instructor during the first week of the semester to discuss your SSS-approved accommodations.