

BSCI 433: Biology of Cancer

Summer 2019

Dr. Beth Parent email: Canvas or parent@umd.edu (for this, please use an appropriate subject line, i.e. about this course and the issue)

I greatly prefer you use the Discussion boards if it is a content question that others may have as well.

Course website: I have prepared a secure web space on the university Canvas system. Important course announcements and copies of lecture presentations, assignments, etc. will be posted for your use: <https://elms.umd.edu/>

Textbook: Required: *Principles of Cancer Biology*
1st Edition
Lewis J. Kleinsmith
Pearson/Benjamin Cummings, 2006
ISBN #: 0-8053-4003-3

Lecture Topic	Text Readings
Introduction:	
Overview of Cancer	Ch 1
Characteristics of Malignant Cells	Ch 2
Overview of Causes	Ch 4
Causes of Cancer:	
Chemical Carcinogens	Ch 5
UV Radiation, Defects in DNA Repair, and Skin Cancer	Ch 6
Oncogenic Infectious Agents	Ch 7
Heredity	Ch 8
Proto-oncogene Activation in Malignancy	Ch 9
Defects in Tumor-Suppressor Genes	Ch 10
Cancer Progression:	
Angiogenesis and Cancer Metastasis	Ch 3
Approaches in Therapy and Prevention:	
Screening, Diagnosis and Treatment	Ch 11
Prevention	Ch 12

Exam 1: Monday, June 24 (175 points) Topics 1-4

Exam 2: Friday, June 28 (175 points) Topics 5-8

Exam 3: Friday, July 5 (175 pts) Topics 9-12

Assignments: Hallmarks of Cancer: due Thursday, June 20 (50 pts)

Case Study: due Monday, July 1 (50 pts)

Exams will open at midnight (EDT) and will stay open until 11:59pm (EDT) on the date listed. When you choose to enter the exam, you will then have 2 hours or until 11:59pm (EDT) to complete it. You must complete the exam once you enter; you will not be allowed to enter the exam a second time. Incomplete exams will receive the appropriate score. The deadline for each assignment is 11:59pm (EDT) on the date listed. Problems with computers, power outage, vacations, etc. will not be considered excuses for not completing exams or assignments before the deadline.

POLICIES AND GRADING FOR BSCI 433

Prerequisites: BSCI 222 and BSCI 330 or equivalent. Successful completion (C- or better) of these courses has been shown to be a good indicator of performance in BSCI 433. Please do not ask to be allowed to take either or both of these courses together with BSCI 433. Permission will be denied.

Lectures and Expectations: All exams will be based on the lecture coverage, but the text readings are essential to giving you a foundation for the lecture. You are strongly advised to do the assigned reading listed for each topic **prior** to looking at the lectures. Even though these are not live lectures, you are encouraged to take your own notes while observing them. To be successful, you should plan to spend a few hours **per lecture topic**, in addition to viewing the lectures, to do the reading and review your notes. Preparing for exams will require additional time.

Use of Technology: Given that this course is online, you must have daily access to a computer and reliable internet in order to complete the course requirements.

Make Up Policy: Given the brevity of this course, make up course work will be limited. Exams and assignments are considered Major Scheduled Graded Events and therefore the University medical excuse policy which allows one student signed honor statement attesting to illness does not apply to them. Excused “absences” are: illness with a doctor’s note, death in the immediate family, required school activities, and required court appearances. If a doctor will not write you a note, you will need to get a copy of your medical record from them to verify your illness. By law, you are entitled to get a copy of this and it is your responsibility to do so. Documentation must be provided via Canvas email within 24 hours of the missed exam or assignment. Students must notify Dr. Parent prior to the missed exam or assignment due date whenever reasonable.

Note that vacations scheduled during the three weeks of class are NOT valid excuses for missing an exam or assignment. If you have made plans that would cause you to miss any exam or assignment, then you should change these plans or consider dropping the course.

Grades: (out of 625 points)

A+ =>96.000%	C+ = 76.000-79.999%
A = 93.000-95.999%	C = 73.000-75.999%
A- = 90.000-92.999%	C- = 70.000-72.999%
B+ = 86.000-89.999%	D+ = 66.000-69.999%
B = 83.000-85.999%	D = 63.000-65.999%
B- = 80.000-82.999%	D- = 60.000-62.999%
F = <60.000%	

Every student begins the class with 0 points. You earn points throughout the course of the class by your performance on exams and assignments. You have either earned the points or you haven’t. The course staff fully expects that these numbers will stand throughout the course. No changes in this scheme will even be contemplated before all the grades are in.

Regrade Policy: Regrades in this course will be rare. Before even contemplating submitting your exam for a regrade, you should carefully review the posted key. If you feel that a question was graded incorrectly, then you should send an email clearly justifying your request. Keep in mind that I can only

grade what you have written on the exam and a regrade is not an opportunity to explain further. To aid your case for a regrade, cite specific lecture slides when possible. Regrades must be submitted within **2 days** of the exam being graded. Exams submitted after the deadline will not be considered. Dr. Parent will review the entire exam and either endorse or not endorse the change. Following the review, points may be added or subtracted, or there may be no change in the grade. **Dr. Parent's judgment is final!**

Honor Code: The Honor Code states that all students of the University community have been equally entrusted by their peers to conduct themselves honestly on all academic assignments. The students of this college understand that having collective and individual responsibility for the ethical welfare of their peers exemplifies a commitment to the community. Students who submit materials that are the products of their own minds demonstrate respect for themselves and the community in which they study. On your writing assignments, all outside resources or information should be clearly acknowledged. If there is any doubt or question regarding the use and documentation of outside sources for academic assignments, your instructor should be consulted. For all assignments, assume that the only person you may consult with is the instructor (and not fellow students). For exams, any suspicion of cheating will be treated seriously. The student will be separated from the group if there is any suspicion. If there is serious concern, the exam will be taken, the student will receive a 0 for the exam, and the matter will be immediately forwarded to the Honor Council for consideration. Any violations of the Honor Code will be handled by the Honor Council. In this class, the standard penalty for cheating is a grade of XF.

All students will be asked to sign the following statement on each examination: "I pledge on my honor that I have not given or received any unauthorized assistance on this examination."

For more information, please review the university policies on academic integrity at the following address:

www.inform.umd.edu/CampusInfo/Departments/jpo/code_acinteg.html

Academic Dishonesty: Any of the following acts, when committed by a student, shall constitute academic dishonesty:

- **Cheating:** Intentionally using or attempting to use unauthorized materials, information, or study aids in any academic exercise.
- **Fabrication:** Intentional and unauthorized falsification or invention of any information or citation in an academic exercise.
- **Facilitating Academic Dishonesty:** Intentionally or knowingly helping or attempting to help another to violate any provision of this Code.
- **Plagiarism:** Intentionally or knowingly representing the words or ideas of another as one's own in any academic exercise.

Religious Observations: Although I do not anticipate there to be any religious observations during this course, please notify me within the first two days of class of the course.

Students with Disabilities: The course staff is committed to providing appropriate accommodation for students with recognized disabilities. If you have been evaluated by Disability Support Services (DSS) and qualify for specific service, please inform Dr. Parent **by June 19**. If you think that you may qualify

for some accommodation but have not yet been evaluated, then please contact DSS immediately to arrange for a consultation. Students who have not been evaluated by DSS will not be eligible for any alternative arrangement.

Copyright: The lectures I deliver in this class and the course materials I create and distribute are protected by federal copyright law as my original works. My lectures are recorded or delivered from written lectures in order to ensure copyright protection. You are permitted to take notes of my lectures and to use course materials for your use in this course. You may not record, reproduce, or distribute my lectures/notes for any commercial purpose without my written consent. Persons who sell or distribute copies or modified copies of my course materials, possess commercial copies of my notes, or assist another person or entity in selling or distributing those materials may be considered in violation of the University Code of Student Conduct, Part 9(k).