INTRODUCTION TO CANCER BIOLOGY
BIO 50S – Summer 2016
Tuesdays and Thursdays 10:30-11:50 am, Gilbert 117

Dr. Jamie Imam
Office: Gilbert 428B
Office Hours: by appointment
Email: jamiec@stanford.edu

Course Description
Introduction to the molecular basis of cancer. This course will examine the biological processes that are disrupted in cancer, such as DNA repair, cell cycle control and signaling pathways, as well as the science behind some current treatments.

Course Text

Course Goals
- Introduce the molecular mechanisms of cancer development
- Explore experimental techniques and methods used to study cancer and develop treatments
- Cultivate scientific literacy and an appreciation of the scientific process
- Develop collaboration, communication, and problem solving skills

Course expectations
Come prepared. Do the assigned reading and pre-class assignments so you are prepared for class. I expect that you will spend a substantial amount of time outside of class on the material and that you will seek help when you need it.

Expect to participate. This will not be a traditional lecture style course. You will need to come prepared to actively participate and engage with your peers in order to get the most from class.

Expect to ask questions. Asking questions is a very critical and important aspect of both learning and scientific research. Don't take what you read or watched (or heard in lecture) for granted.
Assignments
Assignments will be posted on Canvas and it is your responsibility to ensure they are submitted on time. Do not wait until the last minute. For late assignments, 10% per day will be deducted.
- Pre-class assignments (due Mondays and Wednesdays by 10pm on Canvas)
- Problem sets

Exams
Midterm 1  
Final exam (cumulative)  Saturday August 13, 2016 8:30-11:30am

Grading
Pre-class assignments  15%
Problem sets  20%
Participation  20%
Midterm  20%
Final exam  25%

Attendance and Absences
Please always try to let me know ahead of time if you will be missing a section. More than one section absence will significantly impact your participation grade. If you are absent, it is your responsibility to obtain class notes and material from another student (or from me) and make up what you have missed. Being unaware of an assignment due to an absence in section is not a valid excuse. I expect that you either ask your classmates or myself about the covered material and assigned homework.

Additional Policies
Changes in syllabus announced in class, Canvas or via email are the students’ responsibility.

The Honor Code
Violating the Honor Code is a serious offense, even when the violation is unintentional. The Honor Code is available at: http://www.stanford.edu/dept/vpsa/judicialaffairs/guiding/honorcode.htm. You are responsible for understanding the University rules regarding academic integrity; you should familiarize yourself with the code if you have not already done so. In brief, conduct prohibited by the Honor Code includes all forms of academic dishonesty, among them copying from another's exam, unpermitted collaboration and representing as one's own work the work of another. If you have any questions about these matters, please see me.

Students with Documented Disabilities
Students who need an academic accommodation based on the impact of a disability must initiate the request with the Office of Accessible Education (OAE). Professional staff will evaluate the request with required documentation, recommend reasonable accommodations, and prepare an Accommodation Letter for faculty dated in the current quarter in which the request is being made. Students should contact the OAE as soon as possible since timely notice is needed to coordinate accommodations. OAE is located at 563 Salvatierra Walk. Phone: 650-723-1066 http://studentaffairs.stanford.edu/oae
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