

## **Advanced Topics in Modern Biology/Stem Cells and Cancer**

Tuesdays

2-3:30 pm

YORK 3010

INSTRUCTOR: YANG XU

YANGXU@UCSD.EDU

822-1084

### **COURSE SCHEDULE**

WEEK

TOPICS

1	STEM CELLS
2	EMBRYONIC STEM CELLS
3	ADULT STEM CELLS
4	SELF-RENEWAL AND GENETIC STABILITY
5	MIDDLE TERM
6	NO LECTURE (VETERAN'S DAY)
7	STEM CELL THERAPY
8	INDUCED PLURIPOTENT STEM CELLS
9	CANCER STEM CELLS
10	CANCER STEM CELLS

**FINAL EXAM**

**TBA**

### **EXAMS AND GRADES:**

This seminar-style course will introduce the milestones in stem cell biology. Another goal is to improve the skill of the students to read and comprehend original research papers. One paper will be discussed by a group of students during each lecture.

The grade for the course will be based on the performance in lecture (30%) and the exams (70%).

**WEBSITE:** TED.UCSD.EDU