

BISC 502B Molecular Genetics and Biochemistry

Time: Spring 2010, MW 2:00-3:50 PM

Location: MCB 101

Course Coordinator: Prof. Don Arnold
Office MCB 204B, P: (213) 821-1266 F: (213) 821-1454 darnold@usc.edu
Office Hours: TTh 1-2 PM

Description: This is a graduate-level survey course covering the following topics: cell biology, signal transduction, developmental genetics, immunology, bioinformatics, stem cells and aging, crystallography, population genetics and the cell cycle. The goal of this course is to introduce graduate students to basic concepts and primary literature on essential topics in molecular biology.

Textbook: None is required.

Grading:

Midterm Exam1	100 points
Midterm Exam 2	100 points
Final Exam (non-cumulative)	100 points
Total Grade	300 points

General Policies:

Use of Pencil on Exam: If you use pencil on an exam, we will accept the exam, but we will not allow regrading in the event of a dispute.

Midterm Makeup: A midterm makeup will be given only if the student presents a doctor's note within one week of returning to school following the midterm verifying that he/she was physically unable to take that midterm .

Exam Composition: Both exams will consist of five questions (essay or short answer) submitted by Lecturers responsible for that part of the course. Final exam is not cumulative.

Disabilities: Students requesting academic accommodations based on a disability are required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP when adequate documentation is filed. Please be sure the letter is delivered to Dr. Arnold as early in the semester as possible. DSP is open Monday-Friday, 8:30-5:00. The office is in Student Union 301 and their phone number is (213) 740-0776.

Disclaimer: Elements of the syllabus may be modified during the semester

Date	Lecturer	Topic
M 9 Jan	Tower	Aging and Stem Cells
W 11 Jan	Tower	Aging and Stem Cells
M 16 Jan	HOLIDAY	
W 18 Jan	Tower	Aging and Stem Cells
M 23 Jan	Tower	Aging and Stem Cells
W 25 Jan	Dean	Population genetics & evolution
M 30 Jan	Dean	Population genetics & evolution
W 1 Feb	Dean	Population genetics & evolution
M 6 Feb	Dean	Population genetics & evolution
W 8 Feb	Pratt	Ubiquitin pathway
M 13 Feb	exam	
W 15 Feb	Michael	Development
M 20 Feb	HOLIDAY	
W 22 Feb	Pratt	Ubiquitin pathway
M 27 Feb	Michael	Development
W 29 Feb	Michael	Development
M 5 Mar	L. Chen	Crystallography/Protein folding, Structure, and Function
W 7 Mar	L. Chen	Crystallography/Protein folding, Structure, and Function
M 12 Mar	Spring break	
W 14 Mar	Spring break	
M 19 Mar	L. Chen	Crystallography/Protein folding, Structure, and Function
W 21 Mar	exam	
M 26 Mar	Arnold	Cell Biology
W 28 Mar	Arnold	Cell Biology
M 2 Apr	Arnold	Cell Biology
W 4 Apr	Arnold	Cell Biology
M 9 Apr	X. Chen	Crystallography/Protein folding, Structure, and Function
W 11 Apr	X. Chen	Crystallography/Protein folding, Structure, and Function
M 16 Apr	X. Chen	Crystallography/Protein folding, Structure, and Function
W 18 Apr	Pinaud	Microscopy
M 23 Apr	Pinaud	Microscopy
W 25 Apr	Pinaud	Microscopy
M 9 May	2-4 PM	Final Exam