Spring 2007 MCB 110, Part 1

Lecture	Date		Topic
1	W	Jan 17	DNA and RNA structure
2	F	Jan 19	Sequence-specific DNA recognition and reaction
3	M	Jan 22	DNA polymerases
4	W	Jan 24	Polymerases, the replication fork, replication factors
5	F	Jan 26	Replication factors
6	M	Jan 29	DNA topology, replication origins
7	W	Jan 31	Replication initiation and termination
8	F	Feb 2	Molecular biology
9	M	Feb 5	DNA damage and repair reactions
10	W	Feb 7	Repair, end-joining reactions
11	F	Feb 9	Homologous recombination
12	M	Feb 12	Homologous versus site-specific recombination
13	W	Feb 14	Mobile DNA
14	F	Feb 16	DNA packaging and genome structure

FIRST MIDTERM	Tuesday, February 20	6:00-8:00PM	101 Morgan
SECOND MIDTERM	Monday, April 2	6:00-8:00PM	101 Morgan

Textbook: Pages below in Lodish (5th addition) are for background. You are NOT responsible for material in the text that does not relate DIRECTLY to class. The first third of MCB110 is not covered well by the text, but it is the text of choice for the following two thirds of the course (the majority). If you are missing background for some topic of the lectures or would like additional reading, please come to the office hours of a professor or TA.

For lecture 1:	40-41, 101-108
For lectures 2-8:	131-137, 361-380, 435-437
For lectures 9-12:	962-969
For lecture 13:	414-424
For lecture 14:	424-429

Discussion Sections are optional but recommended.
You may attend any section that is convenient for your schedule.

Contact Information:		**office hours:**
TA Melissa Mott	melisslynnm@berkeley.edu	
TA Nathan Thomsen	thomsend@berkeley.edu	
Prof. Kathleen Collins	kcollins@berkeley.edu	Koshland Hall Rm 80 Tuesday 5-6:30PM