

Instructors:	S. Schultze	G. Prody
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Lecture: MWF 11
CB 285

Texts: Voet and Voet Biochemistry 3rd edition, 2004, Wiley

Alberts *et al.*, Molecular Biology of the Cell 4th edition, 2002, Garland Science

Exams: 2 in-class midterm exams will be given :

Wednesday, April 25,	100 pts
Wednesday May 16,	100 pts

Final exam	200 points
Monday June 11, 8 am	

Additionally, students will be given points for participation in class discussions. You will receive 10 points if you are there when your name is called and an additional 10 points if you are able to contribute to the discussion or answer specific questions. At the end of the quarter, points will be normalized to a 100 point total for participation.

Total Points: Exams	400 points
Participation	<u>100 points</u>
	500 points

Course content:

This quarter we will concentrate mainly on molecular biology and we hope you will be as excited as we are about the course content. Knowledge in this field is being accumulated at an incredible rate. We make every attempt to keep current, but the field changes so rapidly that occasionally we miss something. Please be sure to read ahead in your texts, as this will help you understand the lecture material (We'll let you know if your texts are out of date in spots).

We will be covering an incredible amount of material this quarter and even at that, will only be scratching the surface of the information available on these topics. It is imperative that you keep up with the reading. We look forward to your participation in class discussions. As usual, the exams will consist mostly of problems related to the material covered. "Practice makes perfect!"

CHEMISTRY & BIOLOGY 473 - SPRING 2007

Tentative Lecture Schedule:

Topics and Dates May Change Without Prior Notice!

Week	Monday	Wednesday	Friday
1 (April 2)	no class	Intro gp	DNA Structure LW
2 (April 9)	DNA Replication I gp	DNA Replication II gp	DNA Repair gp
3 (April 16)	Transcription gp	RNA Processing I gp	RNA Processing II gp
4 (April 23)	Translation gp	MIDTERM	Regulation (lac) gp
5 (April 30)	Regulation (trp) gp	Eukaryotic Genomes ss	Eukaryotic Gene Structure ss
6 (May 7)	DNA Binding Proteins ss	Drosophila Development ss	Drosophila Development II ss
7 (May 14)	Drosophila Development III ss	MIDTERM	Epigenetics ss
8 (May 21)	Epigenetics II ss	Epigenetics III ss	Stem Cells ss
9 (May 28)	Memorial Day ☺	Immunity I gp	Immunity II gp
10 (June 4)	Viruses gp	HIV gp	Review