

Week	Day	Quiz	Discussion Topic	Lab Exercise/Experiment	Lab Manual	Boyer Text	Assignments Due	Pts.
1/26	M		Introduction	Check-in, safety	1-11	Ch. 1-2		
	W			Ex #1 -Searching the Chemical Literature: Room 2024, Library				
2/2	M	#1	Small volumes, Buffers	Ex #2 -Working with Small Volumes	1-26	Ch. 3 (53-63)	Exercise #1	40
	W			Expt #1 -AA Identification: Buffer Prep				
2/9	M	#2	CATEX & Paper Chromatography, Ninhydrin Assay	Expt #1 -AA Identification: CATEX Chromatography	24-33	Ch. 5 (115-131)	Exercise #2	20
	W			Expt #1 -AA Identification: Paper Chromatography				
2/16	M	#3	Protein Standard Curves	Expt #2 -Protein Conc.: Bradford Assay	34-41	Ch. 3 (67-70), Ch. 7 (201-220)		
	W			Expt #2 -Protein Conc.: [Unknown]			Expt. 1-due 2/20, by 2 PM	50
2/23	M	#4	SEC, Activity Assays, Protein Concentration	Expt #3 -Protein Purification: SEC	42-54	Ch. 5 (132-139), Ch. 3 (77-79), Ch. 8 (256-262)		

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	W			Expt #3 -Protein Purification: Fraction Analysis			Expt. 2-due Fri 2/27 by 2 PM	40
3/2	M	#5	Activity Calcs.	Expt #3 -Protein Purification: LDH Activity/Protein Concentration	42-54	Ch. 8 (256-262),		
	W			Expt #3 -Protein Purification: LDH Activity/Protein Concentration				
3/9	M	#6	SDS-PAGE	Expt #3 - Protein Purification: SDS-PAGE	42-54	Ch. 6 (165-176, 188-190, 197-198)	Expt. 3: Activity Calcs, Spreadsheet	20
	W			Expt #3 - Protein Purification: Gel Documentation and Analysis				
3/16	M	#7	Western Blotting	Expt #4 -Western Blotting: SDS-PAGE and Electroblothing	55-60	Ch. 6 (194-198)		
	W			Expt #4 -Western Blotting: Probing the Membrane			Expt. 3-due Fri 3/20 by 2 PM	80

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3/23	M		No Class-Spring Break	No Class-Spring Break				
	W			No Class-Spring Break				
3/30	M		No Class-Cesar Chavez Day	No Class-Cesar Chavez Day				
	W			Exam #1: Exercises 1-2 Experiments 1-3				150
4/6	M		Formal Lab Reports, Enzyme Kinetics	Expt #5-Enzyme Kinetics: Time and [Enzyme]	10-11, 61-70	Ch. 1 (6-9), Ch. 8 (250-256)		
	W			Expt #5-Enzyme Kinetics: Km and Vmax	61-70	Ch. 8 (250-256)		
4/13	M	#8	Enzyme Kinetics: Km and Vmax, pH and Temperature	Expt #5-Enzyme Kinetics: pH and Temperature				
	W			Expt #5-Enzyme Kinetics: Denaturants			Expt. 5: Outline and refs	5
4/20	M	#9	Enzyme Kinetics: Inhibitors, Computer Analysis of Biomolecules	Expt #5-Enzyme Kinetics: Inhibitors	61-77	Ch. 8 (250-256), Ch. 2	Expt. 5: Abstract & Intro	5
	W			Ex #3-Computer Analysis of Biomolecules, Room TBA			Expt. 5: Calcs & Results	10

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4/27	M		Computer Analysis of Biomolecules	Ex #3-Computer Analysis of Biomolecules, Room TBA	71-77	Ch. 2	Expt. 5: Discussion	5
	W			Expt #6-DNA: Isolation and Analysis	78-86	Ch. 9 (260-277, 279-280), Ch. 10 (297-300)	Exercise 3	40
5/4	M	#10	DNA: Isolation and Enzyme Digestion, Agarose Electrophoresis	Expt #6-DNA: Enzyme Digestion	78-86	Ch. 6 (177-180) Ch. 9 (280-282),	Expt. 5: Final Draft-due Fri 5/8 by 2 PM	125
	W		DNA:	Expt #6-DNA: Agarose Gel Electrophoresis			Expt. 6 & Notebook Due 5/15 by 2 PM	60
5/11	M		No Discussion, meet in lab at 1 PM	Check out, course evaluations Exam #2: Expts 4-6, Exercise 3				150
	W			No Class				