

Course Schedule
Biochem 201/Int111
Fall 2011
(11 May 2011)

10 Aug.	Wed.	9:00-11:00	Course overview; intramolecular forces	Haas
11 Aug.	Thurs.	9:00-11:00	Amino acids as protein building blocks	Haas
12 Aug.	Fri.	9:00-11:00	Protein structure	Worthylake
15 Aug.	Mon.	9:00-11:00	Protein structure	Worthylake
16 Aug.	Tues.	9:00-11:00	Principles of enzyme catalysis	Haas
17 Aug.	Wed.	9:00-11:00	Principles of enzyme catalysis	Haas
18 Aug.	Thurs.	9:00-11:00	Thermodynamics	Haas
19 Aug.	Fri.	9:00-11:00	Enzyme kinetics and assays	Haas
22 Aug.	Mon.	9:00-11:00	Protein expression and purification	Worthylake
24 Aug.	Wed.	9:00-11:00	Structure determination by x-ray crystallography	Worthylake
27 Aug.	Fri.	9:00-11:00	Sequence alignments, BLAST, and molecular graphics	Worthylake
29 Aug.	Mon.	9:00-11:00	EXAM 1	
31 Aug.	Wed.	9:00-11:00	Overview of metabolism; Carbohydrate structure	Haas; Kim
2 Sept.	Fri.	9:00-11:00	Glycolysis and gluconeogenesis	Kim
5 Sept.	Mon.		Labor Day	
7 Sept.	Wed.	9:00-11:00	Glycogen metabolism, pentose phosphate pathway	Kim
9 Sept.	Fri.	9:00-11:00	Catabolism of fructose and other carbohydrates, regulation of carbohydrate metabolism	Kim
12 Sept.	Mon.	9:00-11:00	Cell biology of carbohydrate metabolism, Molecular manipulation of metabolism	Kim
14 Sept.	Wed.	9:00-11:00	Krebs cycle	Kim
16 Sept.	Fri.	9:00-11:00	Oxidative phosphorylation	Kim
19 Sept.	Mon.	9:00-11:00	Lipid structure	Wojcik
21 Sept.	Wed.	9:00-11:00	Lipid metabolism	Wojcik
23 Sept.	Fri.	9:00-11:00	Lipid metabolism	Wojcik
26 Sept.	Mon.	9:00-11:00	EXAM 2	
28 Sept.	Wed.	9:00-11:00	Cholesterol and steroid hormone synthesis	Wojcik
30 Sept.	Fri.	9:00-11:00	Prostaglandins and related molecules	Wojcik
3 Oct.	Mon.	9:00-11:00	Proteoglycans and glycoproteins	Wojcik
5 Oct.	Wed.	9:00-11:00	Urea cycle	Desai
7 Oct.	Fri.	9:00-11:00	Amino acid metabolism	Desai
10 Oct	Mon.	9:00-11:00	Amino acid metabolism	Desai

12 Oct.	Wed.	9:00-11:00	Aberrant metabolism in transformed cells	Desai
14 Oct.	Fri.	9:00-11:00	Porphyrin synthesis and degradation	Haas
17 Oct.	Mon.	9:00-11:00	Integration of energy metabolism	Haas
19 Oct.	Wed.	9:00-11:00	Nucleotide metabolism	Haas
21 Oct.	Fri.	9:00-11:00	Nucleotide metabolism	Haas
24 Oct.	Mon.	9:00-11:00	EXAM 3	