

Biochem 454 Spring 2003

Lecture	Discussion	Instructor	Text Assignment
12-Jan Introduction to Metabolism		JEFFERY	Ch 13
14-Jan Introduction to Metabolism			
16-Jan Glucose Catabolism			Ch 14
19-Jan MLK Jr Day - no class			
21-Jan Glucose Catabolism			
23-Jan Glucose Catabolism			
26-Jan Gluconeogenesis	QUIZ		Ch 15 pp. 452 - 464
28-Jan Citric Acid Cycle	QUIZ		Ch. 16
30-Jan Citric Acid Cycle	QUIZ		
2-Feb Lipid Catabolism			Ch 19 pp. 562 - 582
4-Feb Lipid Catabolism			
6-Feb EXAM			
9-Feb Photosynthetic Electron Transport		ANDERSON	Ch 18 pp. 529 - 549
11-Feb Photosynthetic Electron Transport			
13-Feb Photosynthetic Electron Transport			
16-Feb Electron Transport and Oxidative Phosphorylation			Ch. 17
18-Feb Electron Transport and Oxidative Phosphorylation			
20-Feb Reductive Pentose Phosphate Pathway			Ch. 18 pp. 550 - 559
23-Feb Reductive Pentose Phosphate Pathway	QUIZ		
25-Feb Starch and Glycogen Metabolism	QUIZ		Ch. 15 426-452
27-Feb Starch and Glycogen Metabolism	QUIZ		
1-Mar Lipid Biosynthesis			Ch. 19 pp. 582 - 608
3-Mar Lipid Biosynthesis			
5-Mar EXAM			
8-Mar Amino Acid Degradation, Transamination and Deamination		NICHOLS	Ch 20
10-Mar Nitrogen Excretion and Urea Formation			
12-Mar Amino Acid Biosynthesis			
15-Mar N2 Metabolism and the N2 Cycle			
17-Mar Integration of Metabolism			Ch 21
19-Mar Nucleotide Biosynthesis and Degradation			Ch 22
22-26 Mar Spring Break			
29-Mar Gene and Chromosome Structure			Ch 23
31-Mar DNA topology			
2-Apr DNA replication and repair			Ch 24
5-Apr EXAM			
7-Apr DNA replication and repair			
9-Apr Transcription			Ch. 25

12-Apr Transcription

QUIZ

14-Apr Translation

QUIZ

Ch. 26

16-Apr Translation

QUIZ

19-Apr Genetic Code

21-Apr Post translational modifications

Ch. 27

23-Apr Regulation of gene expression

26 Apr Regulation of Gene Expression

28-Apr DNA binding proteins

30-Apr EXAM