

Date	Lecture Topic	Reading from Mol. Biol. Simple and Fun
Sept 30 Oct 2	Intro/Cells/Organelles Biological atoms/Carbohydrates	Cells: p. 5-7, Chemistry review: Ch. 30
Oct 5 Oct 6 Oct 7 Oct 9	Proteins Protein structure Cellular energy QUIZ 1/Catalysis/Enzymes	Protein structure - p. 63-69 Protein structure - p. 63-69 review
Oct 12 Oct 13 Oct 14 Oct 16	Lipids/membranes Respiration/ATP Synthase Krebs Cycle Glycolysis	
Oct 19 Oct 20 Oct 21 Oct 23	Fermentation/Anaerobic Respiration Nucleic acids/chromosomes Central Dogma/transcription QUIZ 2/ The Genetic Code	DNA structure and chromosomes - Ch. 4 Transcription - p. 47-52
Oct 26 Oct 27 Oct 28 Oct 30	Translation Basics of gene expression Lac Operon EXAM 1	Translation - p. 70-80 Gene regulation - p. 52-59
Nov 2 Nov 3 Nov 4 Nov 6	Eukaryotic Gene regulation Eukaryotic RNA processing DNA replication/mutation Telomerase/Cell Division	Eukaryotic gene expression - Chapter 11 Replication and mutation - p. 35-45, Ch. 12
Nov 9 Nov 10 Nov 11 Nov 13	Cell Cycle/Cancer Molecular basis of alleles VETERAN'S DAY - NO CLASS QUIZ 3/ Acquired Immunity	Cancer - skim p. 191-208 Basic Genetics: Ch. 3 Immunity - p. 361-370
Nov 16 Nov 17 Nov 18 Nov 20	DNA analysis/ RFLP Pedigree Analysis Finding a disease gene Cell Biology of Disease	Gels:p.101-103,PCR:Ch.17,RFLP:p.249-255,290-297 Pedigrees: p. 173-176 Linkage: p. 21-23,
Nov 23 Nov 24 Nov 25 Nov 27	EXAM 2 Cell Biology of Disease Meiosis/Gametogenesis HOLIDAY - THANKSGIVING	Meiosis: p. 18
Nov 30 Dec 1 Dec 2 Dec 3	Cell-Cell Signaling Fertilization Cleavage/Cell Fate Determination QUIZ 4/Basic anatomy	
Dec 6 Dec 7 Dec 8 Dec 10	Gastrulation Neurulation Body Folding Wrap up	

Of general interest:

Basic Genetics: Chapter 3

Chemistry Review: Chapter 30

Inherited Human Disease: Chapter 13

Infectious Disease: Chapter 21