

GENERAL BIOLOGY  
BIOLOGY 141---FALL 1993  
Dr. Steve Baker  
Dr. Eloise Carter

		Chapter
Aug. 23	Introduction to the Course; Scientific Inquiry	
25	Major themes in biology; "Supplemental Instruction"	1
27	Atoms and molecules; water	2, 3
30	Biomolecules: carbohydrates	4
Sept. 1	Biomolecules: lipids and proteins	4, 5
3	Biomolecules: nucleic acids and review	5
6	<b>**LABOR DAY**</b>	
8	Cell Structure and Function	7
10	Cell Membrane Structure and Function	8
13	Introduction to Metabolism	6
14	<b>EXAM I - 8:00 - 9:30 a.m.</b>	
15	Enzymes and ATP	6
17	Cellular Respiration I: Glycolysis	9
20	Cellular Respiration II: Citric Acid Cycle, ETS	9
22	Review of Respiration	
24	Accounting Problems	
27	Photosynthesis: Light Dependent Reactions	10
29	Photosynthesis: Light Independent Reactions	10
Oct. 1	Review of Photosynthesis	
4	Cell Reproduction: Mitosis	11
6	Cell Reproduction: Meiosis	12
8	<b>**FALL BREAK**</b>	
11	Genes and Chromosomes	13
12	<b>EXAM II - 8:00 - 9:30 a.m.</b> (Does not include mitosis and meiosis)	

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13	Mendelian Genetics	13
15	Mendelian Genetics - Buffet of Topics	13, 14
18	DNA and Replication	15
20	Genetic Code and Transcription	16
22	Translation	16
25	Chromosomes and Regulation; Recombinant DNA	18, 19
27	Review of Genetics	
29	History of Evolutionary Thought; Charles Darwin	20
Nov. 1	Evidence for Evolution	20, 23
3	Review and recapitulation	
4	<b>EXAM III - 8:00 - 9:30 a.m.</b>	
5	Monera, Protista and Fungi	25, 26, 28
8	Evolution of Land Plants: Seedless Plants	27
10	Gymnosperms and Angiosperms	27
12	Reproduction In Seed Plants	34
15	Plant Structure and Function: Stems	31
17	Plant Structure and Function: Roots and Leaves	31
19	Transport in Plants	32
22	Ecology: Population Biology	47
24-26	<b>***THANKSGIVING***</b>	
29	Ecology: Ecosystems	49
Dec. 1	Ecology: Human Impact	49
3	Recapitulation & Review	

**\*\*\*FINAL EXAMINATION\*\*\*** Baker - Monday, Dec. 6 at 2:00 p.m.  
Carter - Thursday, Dec. 9 at 2:00 p.m.

TEXT: Biology, N.A. Campbell, 1993, 3rd edition,  
Benjamin/Cummings Publishing Co., Inc.  
Study Guide is available.