

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	**LABOR DAY**	
8	Cell Structure and Function	7
10	Cell Membrane Structure and Function	8
13	Introduction to Metabolism	6
14	EXAM I - 8:00 - 9:30 a.m.	
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	**FALL BREAK**	
11	Genes and Chromosomes	13
12	EXAM II - 8:00 - 9:30 a.m. (Does not include mitosis and meiosis)	

EMORY UNIVERSITY



050000003374

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	EXAM III - 8:00 - 9:30 a.m.	
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	***THANKSGIVING***	
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.