AMBROSE UNIVERSITY COLLEGE | FACULTY OF ARTS & SCIENCE

COURSE INFORMATION SHEET

BIOLOGY 105 – The Organization and Diversity of Life

Tentative Course Outline and Schedule for Fall semester, 2007.

Note : This course is NOT open for credit to Majors or Minors in Biology or Natural Science. Credit for both Biology 131 and 105 will not be allowed.

Instructor : Dr. Carol Gibbons Kroeker
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Text : Biology: Concepts and Connections, Fourth Edition
Campbell, NA, LG Mitchell, and JB Reece,
Prentice- Hall

Note: An earlier edition of Campbell, Mitchell and Reece will be perfectly adequate for the course.

Learning Objectives:
Students will gain a greater understanding of biological principles and be able to apply these principles to animal and human systems. Students will achieve a greater appreciation for life sciences and current knowledge in the field.

Mark Distribution :

Term Test I	20%
Term Test II	20%
Assignments	20%
Final Exam	40%

The term tests and final exam will be a combination of multiple choice questions, as well as short and long answer questions. While most questions will be based on lecture material, the textbook reading will absolutely help in the understanding of this material. There will be assignments given to help work through the material (these may or may not be marked for credit). Attendance at lectures will help ensure success on course exams and assignments.

Dates	**Topic**	**Text Chapters**
Week of		
Sept. 6	Intro to Biology 105 Scientific Method / Biodiversity	1
Sept. 11	Cell Biology, Biochemistry Cell Division	2, 3, 4, 8
Sept. 18	Genetics, Human Genetics DNA Technology and Genetic Engineering	9, 11, 12, 32.16
Sept. 25	Homeostasis, Organ systems, Support and Locomotion,	20, 30,
Oct. 2	Nervous System, Senses	28, 29
Oct. 9	Nutrition, Gas exchange,	21, 22
Oct. 16	Midterm I / Circulation	23
Oct. 23	The immune system, Endocrinology	24, 26
Oct. 30	Reproduction Evolution by Natural Selection	27 13, 14, 15
Nov. 6	Individual Ecology, Population Ecology, and Predation, Competition, and Mutualism	35, 36
Nov. 13	Midterm II	
Nov. 20	Community Ecology, Ecosystem ecology, And behavioural ecology	34, 36, 36, 38
Nov. 27	Plant structure, Photosynthesis	31, 32, 33
Dec. 4		
Dec. 11	Review	

Grading Scheme

A	90-100%	C	63-66%
A-	85-89%	C-	60-62%
B+	80-84%	D+	54-59%
B	76-79%	D	50-53%
B-	70-75%	F	Below 50%
C+	67-69%		