



COURSE INFORMATION SHEET

BIOLOGY 105 – The Organization and Diversity of Life

Tentative Course Outline and Schedule for Fall semester, 2009.

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 : Julie Somers

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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	:	Mid Term I	20%
		Midterm 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. Attendance at lectures will help ensure success on course exams and assignments.

Date	Topic	Text Chapters
Sept 10	<i>Intro, Scientific Method, Biodiversity</i>	1
Sept 15	Chemistry, Molecular Biology	2,3
Sept 17	Cell Biology	4,5
Sept 22	Cellular Respiration, Cell Cycle Mitosis	6,8
Sept 24	Cell Meiosis, Inheritance	8,9
Sept 29	Gene structure, replication, control, cloning	10, 11,12
Oct 1	Tissue, Integumentary, Homeostasis/ Review for Midterm	20
Oct 6	Midterm I	
Oct 8	Support and Locomotion	30
Oct 13	Nervous System	28
Oct 15	Senses	29
Oct 20	Nutrition and Digestion	21
Oct 22	Gas Exchange	22
Oct 27	Circulation	23
Oct 29	Immune System	24
Nov 3	Endocrinology	26
Nov 5	Reproduction	27
Nov 10	Evolution	13,14
Nov 12	Review for Midterm II	
Nov 17	Midterm II	
Nov 19	Ecology	34
Nov 24	Behavioural Adaptations/Population Ecology	35, 36
Nov 26	Communities and Ecosystems	37
Dec 1	Photosynthesis and Plants	7, 31
Dec 3	Plant Nutrition and Transport	32
Dec 8	Control Systems in Plants	33
Dec 10	Review for Final Exam	

Grading Scheme

A+	97-100%	C	63-66%
A	93-96%	C-	60-62%
A-	89-92%	D+	55-59%
B+	83-88%	D	50-55%
B	77-82%	F	Below 50%
B-	70-76%		
C+	67-69%		