CAMOSUN COLLEGE

BIOLOGY 100 - NON-MAJORS BIOLOGY 1

Winter 2003

Instructor: Tom Mace
Office: Fisher 246
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Office hours: Monday – Friday 12:30 – 1:30

Schedule: Lecture: Monday, Wednesday, 9:30 – 11:00
Laboratory: Tuesday 9:30 – 12:30

PREREQUISITES

English 12 or assessment. Math 10 recommended. Students intending to take further courses in the Sciences will require mathematics in addition to Math 10. Note: Students with Biology 11 or BIOL 060 should take BIOL 100 to complete their two semesters of preparatory courses for a Biology for Majors program.

WEEKLY SCHEDULE

3 hours of lecture/discussion and 3 hours of lab. Each student should plan on a minimum of 6 hours outside of scheduled class time for the completion of assignments and for general studying.

RECOMMENDED TEXT

Johnson, George, B. (2000). **The Living World**. McGrawHill Companies, Inc.

LABORATORY MANUAL

Biology 100 (Non-Majors Biology 1) Laboratory Manual and Supplementary Materials. Camosun College.

COURSE MARK

The College has adopted the following standard grade scale, to be used in all courses.

A+	=	95 – 100%	B-	=	70 – 74%
A	=	90 – 94%	C+	=	65 – 69%
A-	=	85 – 89%	C	=	60 – 64%
B+	=	80 – 84%	D	=	50 – 59%
B	=	75 – 79%	F	=	0 – 49%

EVALUATION

a) Lab Exam I	12.5%
b) Midterm I	15%
c) Midterm II	15%
d) Lab Exam II	12.5%
e) Term Assignments	20%
f) Final Exam	25%

Midterms I and II will be unit exams. The final lecture exam will be comprehensive.

ADDITIONAL INFORMATION

Be sure that you are familiar with the General Department Policies which are stated in the lab manual and which will be discussed during the first scheduled laboratory. A student conduct code also will be observed and can be found in the Calendar on pages 42 - 48.

Each student is required to sign a Laboratory Safety Contract and give it to the instructor prior to commencing laboratory work in the course.

Lab attendance is **mandatory**. A 3% lab grade penalty may be imposed for unexcused lab absences.

Biology 100 includes lab work with dissection. Students who have questions or concerns regarding dissection must see the instructor prior to the end of the second week of classes.

No programmable devices are allowed in exams.

Students who have recently completed grade 12 Biology will notice an overlap of course content

McGrawHill, the publisher of your textbook, has donated a prize of $100 to be awarded to the Biology 100 student who has achieved the highest mark in the course.

TENTATIVE COURSE SCHEDULE - BIOLOGY 100

DATE	TEXT CHAP.	LECTURE AND DISCUSSION	LAB #	LAB TOPICS
Jan 6 - 10	3.1 – 3.2	Introduction	1	Some Laboratory Equipment: **A**
Jan. 13 - 17	3.3 – 3.6	Chemistry for Biologists	1	Some Laboratory Equipment: **B**
Jan 20 - 24	3.7 – 3.11	Macromolecules,	2	Eukaryotic and Prokaryotic Cells: **A**
Jan 27 - 31	4	Cell Structure	2	Eukaryotic and Prokaryotic Cells : **B**
Feb. 3 – 7	5.1 – 5.5 5.11 –5.15	Cellular Respiration	3	Diffusion and Osmosis : **A**
Feb. 5		**MIDTERM I**		
Feb. 10 - 12	24.3 – 24.9	Digestive System	3	Diffusion and Osmosis : **B**
Feb. 17 - 21	24.1 – 24.2	Nutrition		**LAB EXAM I : Groups A and B**
Feb. 24 - 28	23.1 – 23.14	Respiration and Gas Exchange	4	Properties of Enzymes : **A**
Mar.3 - 7	8.7 –8.10	Protein Synthesis	4	Properties of Enzymes : **B**
Mar. 10 - 14	7.1 –7.5	Mendelian Genetics	5	Introduction to Genetics : **A**
March 12		**MIDTERM II**		
Mar. 17 - 21	10	Genomics	5	Introduction to Genetics : **B**
Mar. 24 - 28	9	Gene Technology	6	Comparative Anatomy : **A**
Mar.31 – Apr.4	8.12 – 8.14	Cell Cycle and Cancer	6	Comparative Anatomy : **B**
Apr. 7 - 11	25	Immune System		**LAB EXAM II : Groups A and B**