

CAMOSUN COLLEGE
BIOLOGY 100 - NON-MAJORS BIOLOGY 1
Fall 2002

Instructor: Tom Mace
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Lecture: **Section 004** Lecture: Monday, Tuesday, Wednesday, 14:30 – 15:30
Laboratory: Thursday 08:30 – 11.30

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.

Assignments will consist of a series of pre-lab exercises for a total of 15% of the final mark as well as a series of five assessments of popular literature. Details will be provided in class.

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
Fall 2002

DATE	TEXT CHAP.	LECTURE AND DISCUSSION	LAB #	LAB TOPICS
Sept.3 - 6	1 & 3	Introduction, Basic Chemistry	1	Some Laboratory Equipment: A
Sept.9 - 13	3	Macromolecules,	1	Some Laboratory Equipment: B
Sept.16 - 20	3-4	Macromolecules, Membranes,Cells	2	Eukaryotic and Prokaryotic Cells: A
Sept.23 - 27	4-5	Cells,Energetics Cellular Respiration	2	Eukaryotic and Prokaryotic Cells : B
Sept. 30 – Oct.4	5	Cellular Respiration	3	Diffusion and Osmosis : A
Oct.7		MIDTERM I		
Oct.8 – Oct.11	6	Cell Cycle and Cancer	3	Diffusion and Osmosis : B
Oct.15 – Oct.18	6, 7	Mendelian Genetics		LAB EXAM I : Groups A and B
Oct.21 – Oct.25	7	Genetics	4	Properties of Enzymes : A
Oct.28 – Nov.1	7	Genetics	4	Properties of Enzymes : B
Nov.4 – Nov.8	22	Circulation and Gas Exchange	5	Introduction to Genetics : A
Nov.12		MIDTERM II		
Nov.13 – 15	22, 23	Digestive System	5	Introduction to Genetics : B
Nov.18 - 22	23	Digestion, Excretion	6	Comparative Anatomy : A
Nov.25 - 29	24	Immune System	6	Comparative Anatomy : B
Dec.2 – Dec.6		TBA		LAB EXAM II : Groups A and B

