

GRANDE PRAIRIE REGIONAL COLLEGE

DEPARTMENT OF SCIENCE

COURSE OUTLINE

BIOLOGY 1080 Organisms In Their Environment

Instructors: Mr. Terry Shewchuk
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Transferability (consult ACAT Transfer Guide for details):
UA, UC, UL, AU, CU, KUC, AUC

Prerequisite(s): Biology 30

Course Description:

Biology 1080 is an introduction to how the diverse organisms on this planet have been affected by their environment and how the current environment is the product of the activities of organisms. This course also examines how evolution has operated over long time periods to produce major groups of organisms and how evolutionary origins are reflected in their classification. The principles that underlie our understanding of the major lineages will be discussed using examples from monera, fungi, protists, animals, and plants. A description of the involvement of organisms in major ecosystem processes leads to an evaluation of the stability of those systems and of human impact on the processes.

Requirements:

- Since presence at lectures, participation in classroom discussion and projects, and the completion of assignments are important components of this course, students will serve their interests best by regular attendance. Those who choose not to attend must assume whatever risks are involved. In this connection, the attention of the students is directed to the *Academic Guidelines of Grande Prairie Regional College*.
- ATTENDANCE AND COMPLETION OF LABORATORIES AND LABORATORY ASSIGNMENTS IS **REQUIRED**.
- Mid-term exam(s)
- Final lecture exam scheduled by the Registrar's Office during term exam week
- Final lab exam
- Occasional lecture and/or lab quizzes and reports may be assigned

Evaluation:	Midterm Exam(s):	30%
	Labs: (Lab Instructor Assigned)	30%
	(This component <i>may</i> include lab reports and/or quizzes)	
	(There will be a Final Lab Exam)	
	Final Lecture Exam:	40%

Resources: Campbell, N.A., J.B. Reece, and L.G. Mitchell. 2002, *BIOLOGY*, 6th ed., Benjamin/ Cummings Publishing Co. **[required textbook]**
[Note: the 3rd, 4th, or 5th editions are MARGINALLY acceptable]

Taylor, M.R., 2002, *Student Study Guide for Campbell's BIOLOGY*, 6th ed., Benjamin/Cummings Publ. **[optional]**

Biology 1080 Laboratory Manual: 2004 - 2005.
 Biology Instructional Group, GPRC, and the Dept. of Biological Sciences, University of Alberta **[required]**
Note: Old editions are not acceptable.

World Wide Web Biology 108 Home Page Address:
<http://www.biology.ualberta.ca/courses/biol108/>

Note: *The textbook & study guide recommended for this course are also used in BI 1070.*

TEXTBOOK REFERENCES:

It is expected that all students will have read Chapter 1. Chapters 2, 3, 4, 5, 9, 10, 12, and 13 will not be covered in depth in this course, but students may find it useful to review these chapters. Chapters 22 through 34 constitute the emphasis of the course and the majority of exam questions will be drawn from these chapters.

COURSE SCHEDULE:

An outline lecture/laboratory schedule is given on the other side of this page.

More detailed handouts will be provided throughout the semester.

PLAGIARISM:

The instructor reserves the right to use electronic plagiarism detection services. Appropriate use of reference material is addressed in the Lab Manual for this course. Students will be given specific instruction on use and citation of reference material as required in the laboratory.

GRANDE PRAIRIE REGIONAL COLLEGE
WINTER SEMESTER - 2005
BIOLOGY 1080

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
J2 NO LABS>>>	J3 REGISTRATION	J4 INTRODUCTION	J5	J6 INTRODUCTION	J7	J8
J9 LAB 1>>>	J10	J11 TAXONOMY	J12	J13 TAXONOMY	J14	J15
J16 LAB 2>>>	J17	J18 TAXONOMY/ EVOLUTION	J19	J20 EVOLUTION	J21	J22
J23 LAB 3>>>	J24	J25 PROKARYOTES	J26	J27 PROKARYOTES	J28	J29
J30 LAB 4>>>	J31	F1 PROKARYOTES	F2	F3 FIRST MIDTERM EXAM	F4	F5
F6 LAB 4b>>>	F7	F8 PROTISTS	F8	F10 PROTISTS	F11	F12
F13 LAB 5>>>	F14	F15 PROTISTS	F16	F17 PLANTS	F18	F19
F20 NO LABS>>>	F21 FAMILY DAY	F22 << WINTER	F23 SEMESTER	F24 BREAK	F25 >>	F26
F27 LAB 6>>>	F28	M1 PLANTS	M2	M3 PLANTS	M4	M5
M6 LAB 7>>>	M7	M8 PLANTS	M9	M10 FUNGI	M11	M12
M13 LAB 8>>>	M14	M15 FUNGI	M16	M17 SECOND MIDTERM EXAM	M18	M19
M20 NO LABS>>>	M21	M22 ANIMALS	M23	M24 ANIMALS	M25 GOOD FRIDAY	M26
M27 LAB 9>>>	M28	M29 ANIMALS	M30	M31 ANIMALS	A1	A2
A3 LAB EXAMS>	A4	A5 ANIMALS	A6	A7 ANIMALS	A8	A9
A10	A11	A12 ANIMALS	A13	A14 ANIMALS	A15	A16
A17	A18	A19 <<<< FINAL	A20	A21 EXAMS	A22 >>>>	A23