

JAN. 18 2001

**GRANDE PRAIRIE REGIONAL COLLEGE
DEPARTMENT OF SCIENCE & TECHNOLOGY**

COURSE OUTLINE

BIOLOGY 1080 Organisms In Their Environment

Instructors: Mr. Terry Shewchuk Dr. Georgia Goth
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Transferability: University of Alberta - Biology 108
University of Calgary - Jr. Biology
University of Lethbridge - Biology 1020

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 prokaryotes, 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 and laboratories, 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*.
- Two mid-term exams
- Final lecture exam scheduled by the Registrar's Office during term exam week
- Final lab exam
- Occasional lecture and/or lab quizzes and reports

Evaluation:	Midterm Exams (at least 2):	30%
	Lab Reports/Quizzes	15%
	Final Lab Exam:	15%
	Final Lecture Exam:	40%

- Resources:** Campbell, N.A., 1999, *BIOLOGY*, 5th ed., Benjamin/Cummings Publishing Co. **[required textbook]**
[Note: the 3rd or 4th editions are also acceptable]
- Taylor, M.R., 1999, *Student Study Guide for Campbell's BIOLOGY*, 5th ed., Benjamin/Cummings Publ. **[optional]**
- Biology 1080 Laboratory Manual: 1999-2000,
 Biology Instructional Group, GPRC, and the Dept. of
 Biological Sciences, University of Alberta **[required]**

World Wide Web Biology 108 Home Page Address:
<http://gause.biology.ualberta.ca/bio108.hp/bio108hp.html>

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