

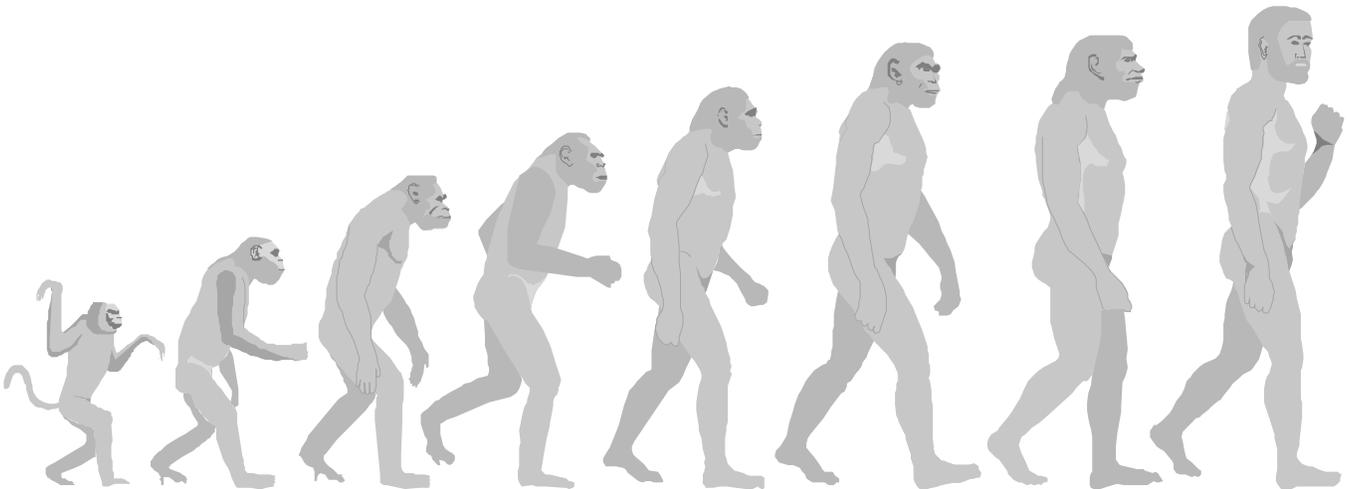
*BI 1050 Course Outline  
Fall 2006*

Dept. of Science & Technology  
Grande Prairie Regional College

Course Outline

BI 1050

The Organization and Diversity of Life



Instructor

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**BI 1050 Course Outline**  
**Fall 2006**

Course Description: A study of biological concepts and mechanisms illustrated by current examples of medical and environmental problems.

Transferability: BIOL 204 - Athabasca University  
BIOL 1xx - Augustana University (does not meet requirements for Biology Minor, Concentration or Major)  
BIOL 1xx - University of Alberta (not accepted for credit in the Faculty of Science)  
BIOL 205 - University of Calgary (not accepted for credit to Majors or Minors in the Dept of Biol Science or to Natural Sciences program (BISC concentration))  
BIOL 205 - Medicine Hat College  
BIOL 2205 - Mount Royal College  
BIOL 205 - Saint Mary's College  
BIOL 204 - Athabasca University

Pre-requisites: None

Note: BI 1050 is not open for credit to students whose Major or Minor is in the Biological Sciences.

Note: BI 1050 is not acceptable as a prerequisite for any of the second year courses in Biological Sciences.

Required Text: 'Essential Biology'  
Campbell, N.A., Reece, J.B. and Simon E.J..  
Pearson / Benjamin Cummings (2004)

Copies of the Powerpoint slideshows used in class will be available for download from the Bi 1050 site on Blackboard.

Requirements: Since participation in lectures and completion of assignments are important components of this course, regular attendance at classes is advised. Those who chose not to attend must assume whatever risks are involved. In this regard, your attention is directed to the Academic Guidelines of Grande Prairie Regional College.

Evaluation:	Quizzes	30%
	Mid-term Exam	30%
	Final Exam	40%

**TOPIC OUTLINE**

<b>topic</b>	<b>chapter (pages)</b>
Introduction to the Biological Sciences	1 (2-18)
Molecules of Life	3 (36-48)
Quiz 1	
Structure of Cells	4 (53-68) 5 (80-83)
Introduction to Metabolism	5 (73-79)
Quiz 2	
Respiration and Fermentation	6 (90-99)
Photosynthesis	6 (88-90) 7 (103-114)
Quiz 3	
Cell Division and Reproduction	8 (119-137)
Quiz 4	
Central Dogma of Biology	10 (170-187)
Quiz 5	
Viruses	10 (188-189) (190-193)
Classification and Taxonomy	14 (287-293)
Quiz 6	
Prokaryotes	15 (303-310)
Biotechnology	12 (216-237)
Quiz 7	
Protists	15 (311-317)
Plants	16 (320-332)
Fungi	16 (334-340)
Quiz 8	
Animals	17 (347-368)
Ecology	18 (380-398) 19 (407-415) 19 (417-428)

