DEPARTMENT OF ACADEMIC UPGRADING

COURSE OUTLINE – FALL 2016

Bl0120 (B2): Biology Grade 11 Equivalent – 5 (4-0-2)

INSTRUCTOR:	Nicoletta Harabor	**PHONE:**	780-539-2945
OFFICE:	J222	**E-MAIL:**	NHarabor@gprc.ab.ca
OFFICE HOURS:	Mondays and Wednesdays 11:00-12:00, Fridays 10:30-11:30 or by appointment		

CALENDAR DESCRIPTION: The major concepts in this course include human systems (digestion; respiration; circulation; immune; excretory and motor systems); energy and matter exchange in the biosphere; population change; photosynthesis and cellular respiration.

PREREQUISITE(S)/COREQUISITE: SC0110 (Science 10); EN0110 (English10-1 or 10-2) or EN0120 placement; MA0110 (Math 10C) or MA0113 (Math 10-3) or MA0120 Placement. See Also Academic Upgrading Science Requirements.

REQUIRED TEXT/RESOURCE MATERIALS: Inquiry into Biology-McGraw-Hill Ryerson. You must also print the lab manual which will be available on Moodle.

DELIVERY MODE(S): Classroom instruction and lab. Use of Moodle required.

COURSE OBJECTIVES:

Detailed course objectives are found in the course syllabus that will be provided to you.

The course is divided into 4 units:

Unit 1: The Circulatory and Respiratory Systems

Unit 2: Digestive and Excretory Systems

Unit 3: Ecology

Unit 4: Photosynthesis and Cellular Respiration

LEARNING OUTCOMES: As stated by Alberta Education, upon successful completion of this course the student will be able to:

• Explain the constant flow of energy through the biosphere and ecosystems

• Explain the cycling of matter through the biosphere

• Explain the balance of energy and matter exchange in the biosphere, as an open system, and explain how this maintains equilibrium

• Explain that the biosphere is composed of ecosystems, each with distinctive biotic and abiotic characteristics
• Explain the mechanisms involved in the change of populations over time
• Relate photosynthesis to storage of energy in organic compounds
• Explain the role of cellular respiration in releasing potential energy from organic compounds
• Explain how the human digestive and respiratory systems exchange energy and matter with the environment
• Explain the role of the circulatory and defense systems in maintaining an internal equilibrium
• Explain the role of the excretory system in maintaining an internal equilibrium in humans through the exchange of energy and matter with the environment
• Explain the role of the motor system in the function of other body systems

TRANSFERABILITY:

Please consult the Alberta Transfer Guide for more information
http://alis.alberta.ca/ps/tsp/transferalberta.html

** Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. **Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability**

EVALUATIONS:

Unit Tests……. 20%
Moodle Quizzes……...5%
Labs, Quizzes, Assignments…...25%
Midterm (Cover Units 1&2)……25%
Final (Covers Units 3&4)……25%

All tests and exams MUST be written at the scheduled times unless **PRIOR** arrangements have been made with the instructor. A missed test (exam) will result in a score of ZERO on that test (exam). Only in very specific cases may student be given an opportunity to make up a missed exam (student will be presented with a different version of the exam). Doctor, lawyer or police documentation may be required. The final exam is 3 hours long and is scheduled by the registrars' office during GPRC Exam weeks.

GRADING CRITERIA: Please note that most universities will not accept your course for transfer credit **IF** your grade is **less than C-**.

Alpha Grade	4-point Equivalent	Percentage Guidelines		Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	90-100		C+	2.3	67-69
A	4.0	85-89		C	2.0	63-66
A-	3.7	80-84		C-	1.7	60-62
B+	3.3	77-79		D+	1.3	55-59
B	3.0	73-76		D	1.0	50-54
B-	2.7	70-72		F	0.0	00-49

COURSE SCHEDULE/TENTATIVE TIMELINE:

Biology 0120 consists of four units:	Tentative test and exam dates:
Unit 1: The Circulatory and Respiratory Systems (15 days)	September 30
Unit 2: The Digestive and Excretory Systems (14 days)	October 27
Midterm (Units 1 + 2)	November 7
Unit 3: Ecology (14 days)	November 21
Unit 4: Photosynthesis and Cellular Respiration (12 days)	December 2
Final Exam (Units 3 + 4)	December 7-16

STUDENT RESPONSIBILITIES:

Refer to the College Policy on Student Rights and Responsibilities at www.gprc.ab.ca/d/STUDENTRIGHTSRESPONSIBILITIES

If you are absent from a test or exam, you **MUST let me know (by email or voice message) the day of the missed test that you will not be writing the test.** Also you might be asked to provide a doctor's certificate that explains your absence for that particular time. Only then will an alternate time be scheduled for you to write a **Different** test or exam. Quizzes will be written in class or labs; no opportunity will be provided for missed quizzes and thus a missed quiz will result in an automatic 0.

If you are late for a lab, you might not be permitted to do the lab as important safety concerns are always addressed at the beginning of each lab period. The lab is certified as a Level 2 biohazard facility and the regulations that apply will be given to you during your first lab. If you miss a lab, you will not have the opportunity for a make-up lab. You automatically receive a grade of 0 for that lab.

Attendance: If you miss 10 or more classes (including labs) you may be debarred from the final exam.

Lateness: Lateness will not be tolerated.

Cell Phone Use: Turn them off during class time.

Labs and assignments: These are due on the day announced in class, lab or as posted on Moodle. If you submit your assignment or lab late you may be docked 10% per day late. **A late assignment or lab will not be accepted once the assignment or lab has been returned to other students.**

Tests and Exams: Use of any electronic communication devices during Tests and Exams is not permitted.

STATEMENT ON PLAGIARISM AND CHEATING:

Cheating and plagiarism will not be tolerated and there will be penalties. For a more precise definition of plagiarism and its consequences, refer to the Student Conduct section of the College Admission Guide at http://www.gprc.ab.ca/programs/calendar/ or the College Policy on Student Misconduct: Plagiarism and Cheating at http://www.gprc.ab.ca/about/administration/policies/