DEPARTMENT OF ACADEMIC UPGRADING

COURSE OUTLINE – Winter 2020

Bl0120 (A3): Biology Grade 11 Equivalent – 5 (4-0-2) 90 Hours
for 15 weeks

INSTRUCTOR:	Nicoletta Harabor	**PHONE:**	780-539-2794
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OFFICE HOURS:	As posted on my office door.		

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); MA0110 (Math 10C) or MA0113 (Math 10-3). A Student may register in BI0120 if the student has achieved a mark of 60% or better in Alberta Education Science 10 within the previous five years or consent of the instructor.

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

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• 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:

***Warning:** Although we strive to make the transferability information in this document up-to-date and accurate, **the student has the final responsibility for ensuring the transferability of this course to Alberta Colleges and Universities**. Please consult the Alberta Transfer Guide for more information. You may check to ensure the transferability of this course at Alberta Transfer Guide main page http://www.transferalberta.ca or, if you do not want to navigate through few links, at http://alis.alberta.ca/ps/tsp/ta/tbi/onlinesearch.html?SearchMode=S&step=2

** 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…….. 30%
Labs, Quizzes……..…...15%
Midterm (Cover Units 1&2)……25%
Final (Covers Units 3&4)……30%

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). In order to defer an exam due to illness you will require a medical note. 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-**.

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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:

Tentative test and exam dates:

Unit Exam 1	February 7
Unit Exam 2	March 6
Midterm	March 11
Unit Exam 3	March 25
Unit Exam 4	April 7
Final Exam	April 15-25

STUDENT RESPONSIBILITIES:

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

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.

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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 20% 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/

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