SAMPLE COURSE OUTLINE

Course Code, Number, and Title:

BIOL 1111: Concepts in Biology: Introduction to human biology

Course Format:
[Course format may vary by instructor. The typical course format would be:]

Lecture 4 h + Seminar 0 h + Lab 2 h

Credits: 4 **Transfer credit:** For information, visit bctransferguide.ca

Course Description, Prerequisites, Corequisites:

Students from a variety of backgrounds are introduced to Biology and how it relates to humans, as well as issues of social importance in today's world. Through lectures and laboratories, students acquire theoretical knowledge and participate in practical demonstrations of biological phenomena that will inform and aid their day-to-day lives. Topics of study include the essential chemistry of life, cellular structure and function, basic microbiology, nutrition, and an investigation of the structure and function of several human body systems.

Prerequisites: None

Corequisites: None

Learning Outcomes:
Upon successful completion of this course, students will be able to:

- Evaluate scientific issues that are encountered in day-to-day life.
- Identify the properties of water and the common components of biological molecules.
- Recognize the general structures of the major types of biological molecules, as well as their functions and locations in the cell.
- Describe the structure and function of cellular organelles, the differences, and the similarities between eukaryotic and prokaryotic cells, and the various ways cells harvest and use energy.
- Identify the structure and function of the various cell types and tissues that comprise the human body.
- Relate the anatomy to the function of selected human organ systems, including, but not restricted to, the digestive system, respiratory system, circulatory system, reproductive system, and immune system.
- Explain the many roles of microorganisms with respect to human health as well as their role in ecosystems.

Instructor(s): TBA
Office: TBA **Phone: 604 323 XXXX** **Email: TBA**

Office Hours: TBA

Textbook and Course Materials:
[Textbook selection may vary by instructor. An example of texts and course materials for this course might be:}

Taylor M, Simon, E, Dickey, J, Hogan, K, Reece, J. “Campbell Biology: Concepts and Connections”. New York, USA. 2018. Chapters 1-5, 17, 24-30.

Note: *This course may use an electronic (online) instructional resource that is located outside of Canada for mandatory graded class work. You may be required to enter personal information, such as your name and email address, to log in to this resource. This means that your personal information could be stored on servers located outside of Canada and may be accessed by U.S. authorities, subject to federal laws. Where possible, you may log in with an email pseudonym as long as you provide the pseudonym to me so I can identify you when reviewing your class work.*

Assessments and Weighting:
Final Exam 20%
Other Assessments %
(An example of other assessments might be:) %

Assignments: 10%
Midterm Exams: 2 x 15%
Quizzes/Tests: 10%
Lab work: 30%

Grading System: Letter grade
Specific grading schemes will be detailed in each course section outline.

Passing grade: D

Topics Covered:
[Topics covered may vary by instructor. An example of topics covered might be:]

- The Essential Chemistry of Life
- The Compounds of Cells
- Cellular Structure
- Cellular Function
- How Cells Harvest Energy
- Animal Structure and Function
- Nutrition and Digestion
- Circulation and Gas Exchange
- Reproduction
- Microbiology and the Immune System

As a student at Langara, you are responsible for familiarizing yourself and complying with the following policies:

College Policies:

E1003 - Student Code of Conduct
F1004 - Code of Academic Conduct
E2008 - Academic Standing - Academic Probation and Academic Suspension
E2006 - Appeal of Final Grade
F1002 - Concerns about Instruction
E2011 - Withdrawal from Courses

Departmental/Course Policies:

This generic outline is for planning purposes only.