

SBI3U-C

Biology

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Course Description

Welcome to *SBI3U-C, Biology, Grade 11*.

This course furthers your understanding of the processes that occur in biological systems. You will study theory and conduct investigations in the areas of biodiversity, evolution, genetic processes, the structure and function of animals, and the anatomy, growth, and function of plants. The course focuses on the theoretical aspects of the topics under study, and will help you refine skills related to scientific investigation.

Expectations

The expectations listed in this course describe the knowledge and skills that you are expected to develop and demonstrate. The overall expectations you will cover in each unit are listed on the first page of the unit. The specific expectations are listed at the beginning of each lesson under the heading “What You Will Learn.”

Evaluation

In each lesson, there are Support Questions and Key Questions.

Support Questions

These questions will provide you with an opportunity to assess your own understanding and mastery of the ideas and skills you are learning in the course. Suggested Answers to Support Questions are provided after each question so that you can check your own work.

Key Questions

The Key Questions are used to evaluate your achievement of each unit’s expectations. Your answers will show how well you have understood the ideas and mastered the skills in the unit, and how well you can communicate your ideas. The number of marks assigned to each Key Question is indicated.

You must complete most of the Key Questions successfully in order to pass each unit. You can work on your answers in a word processor (such as Microsoft Word, OpenOffice Writer, or LibreOffice Writer), saving your document as you go along. When you have completed your work for a unit, you’ll submit it for marking using the online submission tool.

How to Submit Your Work

After you have completed all the work for a unit, save your file and submit it online for evaluation. If you used a program other than Microsoft Word, you will need to save your file in Microsoft Word format by opening your file and clicking **File > Save As** and choosing Microsoft Word under “Save as type.” The Microsoft Word format has a .doc or .docx extension, and is often the first option in the list of document types. We suggest that you insert a .jpg image for graphs and diagrams into your Word file by using the **Insert > Picture** option in Word.

Upload your Key Question document for marking by a teacher. The teacher will assign marks and write comments to help you improve your work. You should go online and read the teacher comments by clicking the “**Read teacher evaluation**” button as well as by reviewing the file under “**Marked files returned by teacher**”.

Note: Unless you’ve been instructed to do otherwise, your answers should all be saved in one file, which shouldn’t be larger than 14 MB! If your file is too big, you will receive an error message.

What You Must Do to Earn a Credit

In order to receive a credit for this course, you must

- successfully complete most of the Key Questions for each unit
- pass the Final Test (50% or over)

You will receive a mark out of 100 for each unit and for the Final Test. Your course mark will also be out of 100.

Weighting

Course work	Weight (%)
Unit 1	14%
Unit 2	14%
Unit 3	14%
Unit 4	14%
Unit 5	14%
Final Test	30%
Total	100%

You must receive a passing mark for each unit before starting the next unit. If you do not receive a passing mark on any unit, the teacher will ask you to redo the work and resubmit the unit. The teacher will give you suggestions to help you pass the next time.

Final Test

The Ontario Ministry of Education requires that every course include a final assessment task worth 30% of the student's final mark. At ILC, the final assessment task is a test. After you have successfully completed the last unit of this course, you will receive information about writing the test.

You have two opportunities to pass the Final Test. No matter how well you do on the unit work, if you do not pass the Final Test, you will not get a credit for the course. Therefore, take notes and work hard at the Key Questions. You will use these to prepare for the Final Test.

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Unit 2: Genetic Processes

- Lesson 5: Meiosis
- Lesson 6: Mendel's Laws of Inheritance
- Lesson 7: Chromosomes and Chromosomal Disorders
- Lesson 8: Biotechnology

Unit 3: Animals: Structure and Function

- Lesson 9: The Human Digestive System
- Lesson 10: The Human Respiratory System
- Lesson 11: The Human Circulatory System
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Unit 4: Plants: Anatomy, Growth, and Function

- Lesson 13: Plant Anatomy and Function
- Lesson 14: Plant Growth and Development
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- Lesson 16: Why Plants Are Important

Unit 5: Diversity of Living Things

- Lesson 17: Taxonomy and Classification
- Lesson 18: Bacteria and Viruses
- Lesson 19: Plants, Fungi and Protists
- Lesson 20: The Animal Kingdom