



Biology 30

Course Outline 2023-2024

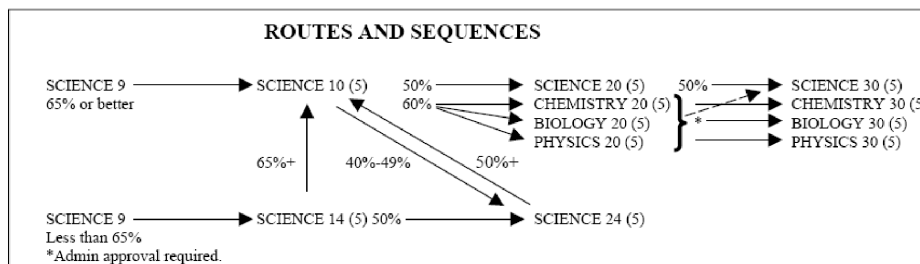
Biology 30 is offered as an **independent learning** course at the Learning Centres. Students can optimize their learning experience through in-person interactions, Google Meets, phone calls, texts, and email communication with their teacher. Throughout the duration of the course, teachers will collaborate with students to formulate a personalized timeline for their academic journey. This tailored approach to scheduling aims to accommodate each student's unique learning pace, goals, and commitments, fostering an environment of flexibility and empowerment.

Accessing Content and Required Course Work

Students will complete the course by working through modules. Modules are comprised of lessons which include various resources that allow the student to actively engage in the learning process. Course content and resources are provided online through the **Biology 30 Google Classroom**. Before you ask for help on the assignment, be sure to review all available resources including the practice problems on the course Google Classroom. Students require their unique first name.last name@edu.sturgeon.ab.ca account for course completion. An approved calculator (ie. a Ti-84) is required for this course.

Progression Through Course Sequences

Successful completion of Biology 20. There are no prerequisites for mature students. A mature student, for Alberta High School Diploma purposes, is one who as of September 1 of the current school year, is 19 years of age or older; or the holder of a previously-awarded high school diploma from the province of Alberta; or an equivalent high school diploma from a jurisdiction acceptable to the Minister.





Unit Topics and Evaluation

In Biology 30, you will learn more than facts. You will be encouraged to develop positive attitudes and to acquire and use knowledge and skills in responsible ways. This course is intended to develop students' understanding and application of biological concepts and skills. Biology 30 focuses on understanding the biological principles behind the natural events students experience and technology they use daily.

The major themes allow connections to be drawn between the four units of this course and between all eight units in Biology 20-30. Biology 30 is composed of the following four units broken up into eight modules.

	Individual Unit Weighting
Unit A Nervous and Endocrine Systems (25%)	
Module 1 – The Nervous System	30%
Module 2 – The Endocrine System	30%
Unit A Exam	40%
Unit B Reproduction and Development (25%)	
Module 3 – The Reproductive Systems	30%
Module 4 – From Fertilization to Birth	30%
Unit B Exam	40%
Unit C Cell Division, Genetics, and Molecular Biology (35%)	
Module 5 – Cell Division: The Processes of Mitosis and Meiosis	21%
Module 6 – Mendelian Genetics and Inheritance	22%
Module 7 – Genetics at the Molecular Level: DNA and RNA at Work	21%
Unit C Exam	36%
Unit D Population and Community Dynamics (15%)	
Module 8 – Populations, Individuals, and Gene Pools	50%
Unit D Exam	50%

As this is a diploma exam course, for the 2023-2024 school year, 70% of your **school awarded mark** will be combined with 30% of your diploma exam mark to calculate your final Biology 30 mark.



School-Awarded Mark	Overall Weighting
Module Assignments (8)	60%
Unit Exams (4) and Final Assessment *Final Assessment mark may be used to replace lowest unit exam mark.	40%

Study Sheet
In addition to their formula sheet, students are permitted access to a single-sided, 8 ½ by 11 STUDY SHEET for each unit exam and the final assessment (<u>excludes the diploma exam</u>).

A schedule of module due dates will be set up with your teacher as part of your registration. Timelines vary from student to student, depending on when you start the course and how well you grasp the material presented. Keep in mind that in a typical high school classroom, students receive approximately 80 minutes of class time everyday for an entire semester.

Marks can be viewed on PowerSchool. Pay attention to comments included with your marks. This could mean there are things that your teacher would like to review with you before finalizing the mark on the assignment. Take the time to come see your teacher and discuss what must be completed or redone. Note: due to course deadlines, corrections will need to be completed in a timely manner as determined by you and your teacher.

Are you re-writing the diploma exam?

If you are rewriting the diploma a rewrite fee applies. Please see the LC staff regarding the due date for rewrite submission as it is early in the semester and you must register yourself to rewrite using MyPass.ca.



Additional Expectations

Information and

All students and staff are expected to treat each other with respect. For more information, please refer to our website: www.sturgeonlearning.ca.

