

BioPREP



UNIVERSITY OF
SASKATCHEWAN



Who is the Course For?

Science and Math Prep courses are designed for students seeking a refresher on key skills before attending university.



What is the Class Schedule?

A total of 14 weekdays, each includes a 60-90 minute self-guided lesson and a 60 minute small group tutorial. One-to-one support sessions available upon request.



What Materials Do I Need?

There is no textbook required for this course. All course materials will be provided.



Is the Course for Marks?

All prep courses are non-credited. They are designed to help you be more successful in your first year courses.



Technological Requirements

A computer with webcam and internet is required to access course material and tutorials.



Course Outcomes

In this course you will learn the following:

- ☐ **The Unity of Life:** Properties of life, primordial soup, commonalities of living things;
- ☐ **The Cell:** Cell components, types of cells, cell functions;
- ☐ **Cellular Processes and Osmosis;**
- ☐ **Photosynthesis and Cellular Respiration;**
- ☐ **Replication:** DNA and RNA replication, central dogma;
- ☐ **The Cell Cycle:** development of cells, mitosis vs. meiosis, plant vs. animal cells;
- ☐ **Mendelian Genetics:** somatic cells, sexual reproduction, and punnett squares.