

Science 20F

Course Outline 2018

Overview:

In correspondence with the Manitoba Curriculum of Framework and Outcomes, this course aims to develop scientifically literate students. The Manitoba science curricula are built upon the following five foundations for scientific literacy:

- A. Nature of Science and Technology
- B. Science, Technology, Society, and the Environment
- C. Scientific and Technological Skills and Attitudes
- D. Essential Science Knowledge
- E. Unifying Concepts.

More specifically, the Science 20F course deals with four clusters/subject areas:

A. Dynamics of Ecosystems:

- ◇ Diversity in Ecosystems, Change and Stability in Ecosystems, Sustaining Terrestrial Ecosystems, Sustaining Aquatic Ecosystems

B. Chemistry in Action

- ◇ Chemicals in Action, Understanding Chemical Reactions, Controlling Chemical Reactions, Acids and Bases

C. In Motion (Physics)

- ◇ Distance and Speed-Distance, Speed and Acceleration, Displacement and velocity-Displacement, Velocity, and Acceleration

D. Weather Dynamics

- ◇ Global Weather Dynamics, Forecasting the Weather, Extreme Weather Events, Forecasting the Future.

After completing the four clusters students will have the basic knowledge enabling them to continue their remaining senior year's science courses in Biology, Chemistry, and Physics.

Evaluation Breakdown:

Daily Work, Assignments, Projects, Chapter Tests	= 70%
Final Exam	= 15%

***You are expected to attend class, come to class prepared, and be willing to learn individually as well as in a team setting (with your peers).**