



Earth Systems 3209 Course Description

Earth Systems 3209 is an academic provincial science course that aims to develop scientific literacy. Scientific literacy is an evolving combination of the science related attitudes, skills, and knowledge students need to develop inquiry, problem-solving, and decision-making abilities; to become lifelong learners; and to maintain a sense of wonder about the world around them.

Earth Systems 3209 is composed of four units that contain 10 core labs in total. All schools are expected to complete these and adhere to the sequence of units outlined below.

Unit 1: Introduction to Earth Systems Science (10%)

Core Lab 1 - *Radiometric Dating*

Unit 3: Geosphere (65%)

Core Lab 2 - *Mineral Identification*

Core Lab 3 - *Specific Gravity*

Core Lab 4 - *Igneous, Sedimentary and Metamorphic Rocks*

Core Lab 5 - *Particle Size and Settling Rate*

Core Lab 6 - *Locating an Earthquake Epicentre*

Core Lab 7 - *Interpreting Historical Geological Events*

Core Lab 8 - *Field Trip - Local Site(s)*

Core Lab 9 - *Geological Mapping*

Unit 2: Earth's Systems (10%)

There are no core labs for unit 2.

Unit 4: Earth through Time (15%)

Core Lab 10 - *Paleontological Activities*

Assessment:

Assessment in this course is governed by the *Assessment and Evaluation Policy* of the Eastern School District. This policy is located at http://www.esdnl.ca/about/policies/esd/1_IL.pdf. The regulations are located at http://www.esdnl.ca/about/policies/esd/regulations/1_IL_1L.pdf.

Evaluation Plan for Earth Systems 3209:

Tests/Quizzes	20%
Performance Assessment	15%
Midyear Examination	15%
Public Examination	50%

NOTE: If a student receives 80% or higher on the Earth Systems 3209 public exam, MUN will give credit for Earth Sciences 1000. If a student receives between 70 and 79% on the public, then the student will have to write a multiple choice exam. MUN will give a student credit for Earth Sciences 1000 if a student receives 70% or higher on that multiple choice exam.