General Science 1000: **Topics in Science**

Course Outline, Fall-Winter 2010/11

Contact Information

Course Coordination: Office of the Dean of Science and Environmental Studies
Office: CB-4008 E-mail: SES@lakeheadu.ca Phone: 766-7211
Course time: Tu, Th 5:30 - 7:00 pm, RB-3049

NOTE: each module's instructor will set his/her own office hours and is solely responsible for the material in, and the grade assigned to, that module.

Overview

The course is designed to introduce P/J and J/I teaching candidates (with no advanced science experience) to central science topics featured in the primary school curriculum. The course is divided into six modules of four weeks each. Thus, you will receive instruction on the five strands of science in the Grades 1-8 Ontario Curriculum, plus an introductory module on general scientific definitions and the nature of science and technology. *This course does NOT cover methods of instruction*, it is designed to give the teacher the knowledge necessary to understand the material in the science curriculum.

Topics

Weeks 1-4	Nature of Scientific Equiry	Craig MacKinnon (CB-4038, 343-8327)
Weeks 5-8	Life Systems	Michael Moore (CB-3011A, 343-8909)
Weeks 9-12	Matter and Materials	Jarrett Sylvestre (CB-2049A, 343-8540)
Weeks 13-16	Energy and Control	Heather Moynihan (CB-4124, 343-8252)
Weeks 17-20	Earth and Space Systems	Mark Smyk (MNR, 475-1101)
Weeks 21-24	Structures and Mechanisms	Heather Moynihan (CB-4124, 343-8252

Prerequisite: NONE (however, this course cannot be counted for credit if the student has any other science credit except MATH 0140)

Course Text NONE

Marking Scheme Each module is worth 1/6 of the final mark. Each module's instructor will supply an evaluation scheme for his/her particular module.