General Science 1000: **Topics in Science**

Course Outline, Fall-Winter 2011/12

Course Coordinator: Craig MacKinnon (contact information below)
Course time: Tu 7:00 - 10:00 pm, AT-1003

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 four strands of science in the Grades 1-8 Ontario Curriculum, plus an modules 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

1.	Weeks 1, 2	Overview and General Information	Craig MacKinnon (CB-4038, 343-8327) craig.mackinnon@lakeheadu.ca
2.	Weeks 3-7	Life Systems	Michael Moore (CB-3011A, 343-8909) mnmoore@lakeheadu.ca
3.	Weeks 8-12	Matter and Energy	Jarrett Sylvestre (CB-2049A, 343-8540) jarrett_sylvestre@yahoo.ca
4.	Weeks 13, 14	Philosophy of Science	Craig MacKinnon
5.	Weeks 15-19	Earth and Space Systems	Mark Smyk (623-6132) nangus@shaw.ca
6.	Weeks 20-24	Structures and Mechanisms	Sylvie Landry (473-4538) sylvie_landry@yahoo.ca

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 Modules 2, 3, 5, and 6 are 5 weeks long and are worth 21% each. Modules 1 and 4 are (combined) 4 weeks long and worth 16%.