

# EESB15 Earth History Autumn 2010

## Rationale:

This course will provide you with a systematic view of the evolution of environments on planet Earth over the last 4500 million years, and in particular, the geology and history of the North American continent and the Canadian landmass.

The latter part of the course touches on how knowledge of geology (now termed geoscience by many) is fundamental to environmental investigations relating to the disposal of wastes, managing contaminants, finding adequate water supplies, safeguarding natural habitats, dealing with urban development and flood waters, energy sources, earthquakes etc. We will touch on how geophysics is used in environmental geoscience investigations.

In this regard I have included lectures on the real world use of geosciences. Many of you will wish to pursue a career in Ontario environmental science perhaps working as part of a team for an environmental consulting company or in a government environmental agency. At the moment there is a great demand for geoscientists in



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Required course text:

Eyles, N. and Miall, A.D., 2007 *Canada Rocks: The Geologic Journey* Fitzhenry and Whiteside, Markham. 512 pp.

Marking Scheme:

Midterm test Oc 18 15%  
Field trip & individual report - trip (livør

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Procedures to be followed for missed term work and/or midterm tests:

If you know that you will miss a deadline then please let me know in advance as we might be able to work something out. Should you miss a deadline for any term work you will automatically receive a grade of zero if you do not follow the following procedure. Within one week