



Department of Geography, Planning and Environment

1455 de Maisonneuve West, Montreal

Hall Building –1255

If you are interested in registering for any of the courses below, please contact Annie Pollock at; (514) 848-2424 ext. 2057 or e-mail pollock@alcor.concordia.ca

ENVS 605 /4 AA ENVIRONMENTAL STANDARDS

Winter 2011 (Jan – April 2011)

Course Time: Thursday 18:00 - 20:10

Instructor: Robert Bruce Oxley

Due to a recognition that the best environmental policies are preventative in nature, combined with increasing awareness of environmental degradation and other environmental concerns by the general public, there has been a widespread adoption of the internationally recognized Environment Management Systems (EMS). These systems must maintain a high standard of quality data if environment data collection is to continue to play an increasingly important role in the policy, planning and decision-making processes of many sectors, including government and industries, which are large employers and expanding sectors of the economy.

This course is designed to provide a broad overview of the International Standards Organization (ISO) guidelines for the effective implementation of Environmental Management Systems (EMS), which are important for those intending to follow careers in environmental management. Students will learn awareness of how technical, economic and environmental considerations are taken into account in the planning and operation of development projects, which demand a high and sustained standard of professional environmental management.

HENV 655 /4 A ENVIRONMENTAL MODELLING

Winter 2011 (Jan – April 2011)

Course Time: Thursday 8:45 - 11:30

Instructor: Dr. Damon Matthews

This course provides an introduction to the fundamentals of environmental modelling through the application of modelling software. The specialized software enables students to examine the different approaches available in modelling the bio-physical, built and human environment, as well as conceptualizing simple models used to examine the relationship between human interventions and their impact on the environment.

This course begins with lectures and readings to aid the student in understanding the concepts of environmental modelling, and is followed by the course project. To develop their individual projects, students must learn how to develop individual models that cover the basic concepts of governing equations, state variables, equilibrium, stability, feedback loops, sensitivity analysis and model validation.

ENVS 603 /4 B WATER RESOURCE MANAGEMENT

Winter 2011 (Jan – April 2011)

Course Time: Wednesday 13:15 - 14:30

Instructor: Isabelle Charron

This course examines the complexity of the various qualities, values and uses of water, while outlining the necessity for improved water resource management. The ecological and economic sustainability viewpoints are investigated and explored in relation to the concepts of social equity and basic human health and dignity, understanding that there are challenges to maintaining and improving long-term quality and equitable water management in different situations; i.e. domestic, industrial, and agricultural uses, which all view water as a necessary resource to be consumed.