

Graduate Module Outline

Title: Soil profile description, classification and interpretation

Instructors: Dr. Gordon Brewster (gbrewster@nsac.ca ; 893-6616) and Mr. Ken Webb (Ken.Webb@agr.gc.ca ; 893-6724)

Timing: June – July, 2010

Description: The module will include describing soils in the field, an introduction to soil formation and classification, soil sampling considerations, soil surveys and soil interpretations for land use.

Format: The module will involve a mixture of field visits and classroom activities for 3 hours per week for five weeks. Students will be provided with classroom and lab instruction, as well as, assigned readings. Assignments will be based on using information provided by the instructors, and in the literature, to find solutions to problems which would be encountered by scientists doing research related to field-based soil descriptions. The paper will be in the format of a hypothetical soil-based research proposal. The proposal cannot be directly related to the student's graduate thesis. Information in the paper will also be presented during the final session in a 12-15 minute presentation.

Method of Evaluation:

Paper	25%
Presentation	25%
Participation	10%
Weekly assignments	<u>40%</u>
	100%

Prerequisites: Graduate student status and permission of instructors.