

# Professional Development Training 2009

## Agriculture, Land & Environment



**OLDS  
COLLEGE**

### MAY

#### **Introduction to Soil Properties & Vegetation Management**

Jump start your success in industry with this hands-on workshop that will introduce you to basic soil properties and vegetation management. This 3-day course is for new and experienced environmental professionals and will involve 1&1/2 days in the lab and classroom, and 1&1/2 days on a field tour. This is an excellent introductory level workshop designed to prepare the professional for other environmental courses.

Fee: \$599 + GST

Date: Mon-Wed, May 25-27

Time: 8:00am - 5:00pm

#### **Geodata Collection & Mapping Week**

This week-long series of seminars are for those who are new to this technology or use it in their workplace on a daily basis. You can choose to enroll in the whole week or enroll in any combination of seminars. (All fees include supplies, refreshments & lunch.)

##### **Basic Handheld GPS**

This is an introductory course for those wishing to use GPS for business or recreational purposes. The course will be primarily hands-on, using handheld GPS receivers and desktop computers.

##### Collection Day

Fee: \$249 + GST

Date: Mon, May 11

Time: 8:30am - 4:00pm

##### Processing Day

Fee: \$249 + GST

Date: Tues, May 12

Time: 8:30am - 4:00pm

##### **Basic Professional GPS**

This is an introductory course for those wishing to use professional GPS for mapping purposes. The course will be primarily hands-on, based on a Trimble handheld GPS receiver and Office software.

Fee: \$599 + GST

Date: Mon-Tues, May 11 & 12

Time: 8:30am - 4:00pm

##### **Using Geospatial Data in AutoCAD**

In this one day course you will have an introduction to AutoCAD so that you can create basic objects, and use existing CAD data. Different data types including spatial data (vector and raster) and attribute data will be discussed along with examples and their applications. Data from various sources such as GPS, CAD drawings, air photos and scans will be integrated into a georeferenced plan to provide added value. Information about distances, areas and location will be taken from the overall plan.

Fee: \$249 + GST

Date: Wed, May 13

Time: 8:30am - 4:00pm

##### **Introduction to ESRI ArcGIS 9.3 (1 or 2 Day Sections)**

Geographic Information Systems (GIS) are being used extensively to manage information that is associated with features that have geographic locations. GIS computer programs not only produce maps, they also link and manage the information associated with features on the maps. This is an introductory course designed to give you hands-on experience in the use of ESRI's ArcGIS 9.3 desktop GIS software and selected types of data that are used for GIS. You will become familiar with the basic spatial data loading, manipulation and map making capabilities of this industry standard software.

Date: Wed-Thurs, May 13 &/or 14

Time: 8:30am - 4:00pm

One Day Fee: \$249 + GST

Two Day Fee: \$449 + GST

### JUNE

#### **Fundamentals of Plant Identification**

Learn exactly what that plant is - as well as the steps to identify common Native Alberta grasses, flowering plants and shrubs - and become the expert in the office with your new skills in plant identification. Great for agronomists, horticulturists and oilfield consultants alike. Course fees include reference materials to take home with you!

Fee: \$399 + GST

Date: Tues & Wed, June 2-3

Time: 9:00am - 4:00pm

#### **Rangeland Evaluation Seminar**

Learn to describe sites in regard to plant and soil characteristics, evaluate range conditions, and determine stocking rates. This intensive 3-day course has been designed for anyone estimating rural land value such as real estate agents, land agents, credit advisors and government agencies.

Fee: \$499 + GST

Date: Mon-Wed, June 8-10

Time: 8:00am - 4:00pm

#### **Classifying Native Plant Communities**

Simple species identification is no longer enough as regulations are beginning to require an increased understanding of plant communities. In this 2-course series, you will learn how to recognize and classify selected forest and range plant communities and identify key indicator plant species. You will also learn how to relate plant communities to the habitats in which they occur.

Your course will include a field tour where you will have opportunities to characterize upland and wetland plant communities. It is strongly recommended that you have previous experience with soils and plants or have participated in the Introduction to Soil Properties and Vegetation Management Workshop and Fundamentals of Plant Identification.

## **Classifying Range Plant Communities**

Fee: \$499 + GST

Date: Mon-Tues, June 8-9

Time: 8:00am - 5:00pm

## **Classifying Forest Plant Communities**

Fee: \$499 + GST

Date: Wed- Thurs, June 10-11

Time: 8:00am - 5:00pm

## **Soil Classification and Map Interpretation**

You've been asking for a short course in Soil Classification, and here it is! In this hands-on workshop, you will observe and measure soil properties, examine soil profiles and relate different soils to the environmental factors responsible for their formation. You will learn how to classify soils according to the Canadian System of Soil Classification, and have the opportunity to analyze selected landscapes to assess soil variability. You will apply this knowledge in the field examining real soils, and in the classroom accessing and interpreting soil resource inventory information. After putting your new knowledge into practice you will leave with a whole new appreciation for dirt...er...I mean *soil*! It would be beneficial to have taken the Introduction to Soil Properties and Vegetation Management Workshop prior to attending this course.

Fee: \$599 + GST  
Date: Mon-Wed, June 15-17  
Time: 8:00am - 5:00pm

## **Fundamentals of Wellsite Assessment**

Dig deeper into the significance of soil properties and see how your skills in vegetation evaluation measure up! Discover how to assess a wellsite: Will it meet industry criteria? Put your new skills to the test during a field school on the second day. It is strongly recommended that you either have some background or have participated in the Introduction to Soil Properties and Vegetation Management Workshop and Fundamentals of Plant Identification prior to attending this course.

Fee: \$399 + GST

Date: Thurs-Fri, June 18-19

Time: 8:00am - 5:00pm



## **JULY**

### **Integrated Crop Management Field School**

Perfect your skills in crop management and diagnostics with this field-based workshop. Come one or both days to join specialists from Olds College and industry partners. **CCA & Pesticide Applicator CEU's available**

**“Open candid conversations/discussions in all areas were excellent. Excellent school. It was managed very well—everyone had an opportunity to voice opinions/concerns/experiences. Very relaxed environment.”**

Christine Bice,  
2008 ICM School attendee

### July 14, Forage Management

- Manure Management; Maximizing the Benefits
- Establishing Perennial Forage Stands
- Annual Forage Production
- Failed Annual Crops; What's "Plan B"?
- Forage Species Selection & Seed Quality
- Clubroot Social; evening event

### July 15, Field Crop Agronomy

- Cereal Insect Pests
- Cereal Diseases & Practical Field Scouting
- Maximizing Nutrient Efficiency
- Alternate Nutrient Sources
- Identifying & Managing Problem Soils

One Day: \$149 + GST

Both Days: \$249 + GST

Date: Tues-Wed, July 14-15

Time 8:30am - 4:30pm

## **Crop IQ**

Fire up your Crop IQ with this introductory course in crop identification. Discover the regions of adaptation, uses and economic value of common forages, field, and specialty crops in Alberta. It is strongly recommended, but not required, that you have completed Fundamentals of Plant Identification prior to taking this course.

Fee: \$199 + GST

Date: Tues, July 21

Time: 9:00am - 4:00pm

## **Environmental Study Hikes**

Learn while you enjoy the scenery! This two-course series will begin Friday evening, with an introduction to some basic concepts about ecology and the environment. Saturday and Sunday will be spent hiking and looking at plant identification, plant and animal adaptations to different environments, population interactions, community relationships, and ecosystem dynamics.

The selection of trails will depend upon conditions at the time, but will involve enough elevation gain to reach alpine meadows, so moderate physical fitness is a requirement. Potential trails in the Kananaskis area include Galatea Lakes and the Centennial Trail that reaches the top of Mt. Allen and, in the Lake Louise area, the trail to Eiffel Lake and the trail to the top of Fairview Peak. Saturday evening discussions will focus on specific environmental issues such as the importance of maintaining biodiversity and problems associated with this. Accommodation will be at local area hostels and fees include all meals and accommodation costs.  
**Watch for this class in July 2010!**



## AUGUST

### Weed IQ

Aagh! A weed!! Calm your fears of the elusive weed as this course introduces you to the identification and management of some common and troublesome prairie weeds. Join the Weed Doctor to take a look at lifecycles and fundamental control strategies and then test your Weed IQ as you step into an outdoor environment for some hands-on investigation.

Course fees include reference materials to take home with you! **CCA & Pesticide Applicator CEU's available.**  
Fee: \$249 + GST  
Date: Wed, August 12  
Time: 9:00am - 4:00pm

## SEPTEMBER

### Wilderness & Remote First Aid

This course is suitable for any individual who works, lives, or takes trips in isolated or wilderness areas. The course covers material in Standard First Aid & CPR, plus special content on techniques for wilderness and remote areas as well as strategies for providing extended care for **up to 24 hours.**  
Fee: \$200 + GST  
Date: September 11-13  
Time: Fri 6-10pm, Sat & Sun 9am-5pm (20 hrs, minimum 5 hrs outdoors)

### Advanced Wilderness & Remote First Aid

This course is suitable for anyone who supervises groups of individuals or employees in isolated or remote locations. The course covers material in Standard First Aid & CPR, plus advanced procedures and strategies for providing extended care for **more than 24 hours.**  
Fee: \$365 + GST  
Date: September 18-20 and 26 & 27  
Time: Fri 6-10pm, Sat & Sun 9am - 5pm (40 hrs, minimum 20 hrs outdoors)

Both First Aid courses include the latest First Aid and CPR Guidelines, meet federal and a variety of provincial/territorial regulations for Standard First Aid and exceed competitor's standards by including injury prevention content, CPR & AED.

**Most of these courses involve outdoor activities, tours and/or field work. Please come prepared with proper footwear and clothing.**

## ONLINE

### Land Ethics - A Three Course Series

"Ethics" is a term that is becoming very common these days in land-based and other industries. Register in all or any of this series of 3-week on-line courses to enhance your ethical decision making, increase your understanding of the standards of ethics in your profession, or develop a code of ethics for your company.  
Fee: \$399 (GST exempt) per course

*Register for two and get the third course free!*

### CORPORATE ETHICS

Corporate Ethics focuses on conduct including integrity, accountability, social responsibility and compliance within a business organization. Taking leadership responsibility, find ways to create a code of ethics for your business, incorporate a common culture of ethical conduct throughout your organization, and communicate your ethical position to clients, regulators and general public.  
Fee: \$399 (GST exempt)  
Date: September 8-28

### PROFESSIONAL ETHICS

Ethics training is now required either to enter a profession or to sustain membership. Regulations of professionals in the workplace is usually based on a code of ethics and there are well defined consequences for code violations. You will increase your ability to apply ethics theory and understand practice standards for land professionals.  
Fee: \$399 (GST exempt)  
Date: October 5-25

### ENVIRONMENTAL ETHICS

Environmental Ethics is fundamentally the ethical relationship between human beings and the environment in which they live. This is huge in the world today, particularly regarding the impact of industrial development on land. Wrong, or bad, conduct on the land will result in serious economic and punitive consequences. Avoid these consequences by determining what your virtues and duties are to ensure right, or good, conduct on the land.  
Fee: \$399 (GST exempt)  
Date: November 2-22

**Remember, register for two and get the third course free!**

## Courses at a Glance

- Introduction to Soil Properties & Vegetation Management Workshop
- Geodata Collection & Mapping Week
- Fundamentals of Plant Identification
- Rangeland Evaluation Seminar
- Classifying Range Plant Communities
- Classifying Forest Plant Communities
- Soil Classification & Map Interpretation
- Fundamentals of Wellsite Assessment
- Integrated Crop Management Field School
- Crop IQ
- Environmental Field Study Hikes
- Weed IQ
- Wilderness & Remote First Aid
- Advanced Wilderness & Remote First Aid
- Land Ethics - A Three Course Series

## REGISTRATION FORM

Date: \_\_\_\_\_ Student ID Number: \_\_\_\_\_

First Name: \_\_\_\_\_

Middle Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

Maiden Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Date of Birth: (month/day/year) \_\_\_\_\_

Marital Status:  Single  Married  Other      Gender:  Male  Female

Mailing Address: \_\_\_\_\_

City/Town: \_\_\_\_\_

Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Home Phone: \_\_\_\_\_

Business Phone: \_\_\_\_\_

### Please register me for the following courses:

Course Name: \_\_\_\_\_

Course Date: \_\_\_\_\_ Cost: \_\_\_\_\_

Course Name: \_\_\_\_\_

Course Date: \_\_\_\_\_ Cost: \_\_\_\_\_

Course Name: \_\_\_\_\_

Course Date: \_\_\_\_\_ Cost: \_\_\_\_\_

Total Fee Enclosed: \$ \_\_\_\_\_

### Method of Payment:

Cheque (enclosed - payable to Olds College)       Visa       MasterCard

Card Number: \_\_\_\_\_

Expiry Date: (month/year) \_\_\_\_\_

Card Holder Name: \_\_\_\_\_

Signature: \_\_\_\_\_



**Phone:** 1-800-661-6537 Ext. 4677 (Visa or MasterCard only)  
**Fax:** 403-556-4711 (Visa or MasterCard only)  
**Mail:** Olds College, Continuing Education Registrar's Office  
4500 - 50 Street, Olds, AB, T4H 1R6  
**Website:** [www.oldscollge.ca/ce](http://www.oldscollge.ca/ce)  
**Email:** [hmcguire@oldscollge.ca](mailto:hmcguire@oldscollge.ca)