MARITIME COLLEGE OF FOREST TECHNOLOGY

INTRODUCTION TO GIS THEORY, PROJECT DESIGN, & ERROR MANAGEMENT

FROM: THE MARITIME COLLEGE OF FOREST TECHNOLOGY

SUBJECT: MAY 4, 5, & 6, 2010 OFFERING

The Maritime College of Forest Technology's Department of Continuing Education is pleased to announce the offering of **Introduction to GIS Theory, Project Design, & Error Management** with John Henderson as instructor. This three-day workshop will be held in room 228, Maritime College of Forest Technology, on May 4, 5, & 6, 2010.

This course is different from the many training programs offered by GIS manufacturers and schools that specialize in GIS. Where as most training programs aim at GIS specialists using specific software, **Introduction to GIS Theory, Project Design, & Error Management** will allow you to integrate GIS into a diverse career with many other responsibilities and duties. Comments from past course participants have indicated that they would have liked to have taken this course prior to those offered by the GIS software providers. The information presented in their courses would have been more meaningful had more of the theory behind a GIS been presented.

As a non-specialist, you need to understand the capabilities of GIS systems, what information is available and how to access that information. This workshop deals comprehensively with the most expensive and useful element of GIS – the data. The course focus is on organizing, planning, designing, and protecting data. Error exists to varying degrees in all data. The course examines where the error is more likely to occur and discusses how to manage it so that a project will produce meaningful results. A great deal of time is devoted to GIS Project Design. It is shown how a little bit of preparation in the beginning can prevent problems later on in a project. Course participants are welcome to raise some of their own "real world" projects for discussion.

John Henderson is a leading GIS specialist. He has, however, the rare ability to translate his complicated speciality into easy to understand concepts. John encourages participants to bring samples of the information they require from a GIS so they will leave the course with practical solutions to real work problems.

Please see the attached course announcement for complete details and application form. If you have questions about **Introduction to GIS Theory, Project Design, & Error Management**, or other Continuing Education courses, please call us at 506 458 0643.

N. Tim Cameron, Director

INTRODUCTION TO GIS THEORY, PROJECT DESIGN, & ERROR MANAGEMENT

DATES: May 4, 5, & 6, 2010

LOCATION: Room 228, Maritime College of Forest Technology, Fredericton NB

OBJECTIVES: This workshop will:

- provide you with an understanding of how GIS work
- allow you to competently communicate with a GIS specialist
- provide you with an overview of the many hardware and software options available
- introduce you to map concepts in GIS
- allow you to recognize and correct errors that arise with GIS
- help you prevent costly mistakes
- provide you with the knowledge and skills to plan and design a GIS database.
- devote a great deal of time to discussing GIS theory, such as the database management (attribute) and the cartographic (spatial) sides of a GIS, and the elaborate relationships that are formed between the two.
- basic cartographic, or mapping, concepts are discussed. They include such things as the intended use of a map, map scale, coordinate system, age, feature types, and other related metadata.
- the workshop explores the attribute and spatial data types that can be created, stored, manipulated and displayed within a GIS.

CANDIDATES: This course will be of value to anyone who works with GIS generated information or is planning on purchasing or operating a GIS system. It will provide the necessary foundation for further GIS training. This course is limited to twenty participants on a first come first served basis.

FORMAT: **Introduction to GIS Theory, Project Design, & Error Management** will be conducted in an informal manner with opportunity for discussion and questions. Information presented in the course will be reinforced with exercises, demonstrations, case studies, and hands-on computer work. The points made in the course material are reinforced through a series of exercises and a hands-on GIS session.

INSTRUCTOR: John Henderson has completed a BSc in Biology and Ecology from Mount Allison University and his MScF in Forest Resource Management from the University of New Brunswick. He has worked as a consultant over the last 6 years with a range of duties including: Research Project Design, Computer Programming, Data Analysis, Remote Sensing, Forest Landscape Design using 3-D software, Computer Based Ecosystem Analysis, and GIS-Spatial Analysis. John is currently employed as a Forestry Officer with the Canadian Forest Service.

ACCOMMODATIONS:

Accommodations are available in Torunski Hall of the Maritime College of Forest Technology. Room rates are as follows:

Single Occupancy - $35.00/person/night + HST
Double Occupancy - $25.00/person/night + HST

Commercial rooms and/or board are also available at nearby commercial establishments.

MEALS: Meals are available at the Forestry Complex Cafeteria on a pay as you go basis or through a meal ticket available upon registration.

CHARGES: Tuition for the program is $457.00 + HST

If the employers are paying the above charges on behalf of course candidates, we prefer to bill the employer on completion of the course.

Introduction to GIS Theory, Project Design, & Error Management is equal to 21 Continuing Forestry Education Credits.

INTRODUCTION TO GIS THEORY, PROJECT DESIGN, & ERROR MANAGEMENT

May 4, 5, & 6, 2010

Name _____ Home Phone _____

Job Title _____

Employer _____

Employer's Address _____

_____

Postal Code _____ Business Phone _____

Fax _____ E-mail _____

Contact Person _____

Is there a specific problem that you would like addressed during the course? If so, please briefly describe it. _____

_____

_____

Will you require accommodations at the Maritime College of Forest Technology? _____

Single occupancy _____

Double occupancy _____

Charges must be paid in full, one week prior to the course dates. Payment can be made by cheque, purchase order, debit, Visa or MasterCard. If paying by cheque please make it payable to the Maritime College of Forest Technology and send it along with a copy of the application form.

Please indicate method of payment:

Visa ☐ Card No. / / / / / / / / / / / / / / / / Exp. / / /

Mastercard ☐ Card No. / / / / / / / / / / / / / / / / Exp. / / /

Cheque ☐ Money Order ☐ Amount enclosed _____

Please forward completed application to:

ATT: Loretta Phillips
Maritime College of Forest Technology
1350 Regent ST
Fredericton NB
Phone: (506) 458-0643
Fax: (506) 458-0652
E-mail: lphillips@mcft.ca