



**AN INSTITUTE OF TECHNOLOGY
COMMITTED TO STUDENT SUCCESS**

NAIT is pleased to offer the following course, by distance delivery or in the classroom:

GET 92 Hydrographic Surveying

Attend weekly lectures on campus in Edmonton, or register in the same course and participate from a distance. All participants will have the opportunity to view the weekly lesson since it will be made available to you in video format over the internet.

If you are preparing to write the certification exam administered by the Canadian Board of Examiners for Professional Surveyors (CBEPS), then this distance delivery course may be for you. Taught in Edmonton on Saturdays from September to December, the lectures will be taped and made available via video on the web immediately afterwards. Lectures will be conducted weekly and the instructor will communicate with students via e-mail. All students will be required to submit assignments regularly. For those students who wish to participate by distance, examinations will be conducted using proctors.

Upon completion of this inaugural offering, NAIT will submit a proposal to CBEPS to seek exemption from writing the CBEPS certification exam equivalency.

Major topics include:

- Hydrography, a hydrographic survey, hydrographic charts and the hydrographer;
- Nautical/Environmental science; meteorology, oceans, rivers, waves, currents and tides;
- Terrestrial and marine surveys in inland waters and offshore;
- Hydrographic Survey Practice and Standards;
- Measurement science; underwater acoustics and acoustic techniques;
- Underwater scanning, measuring systems for horizontal and vertical positioning;
- Depth determination by echo sounder with its corrections;
- Position plotting, navigation and navigation systems;
- A brief review of Geodesy as applied to hydrography, map projections, coordinate systems and the UTM.

Course Prerequisite: Geomatics Engineering Technology Diploma or Bachelor's Degree. Students should have sound knowledge in map projections, geodesy, coordinate systems, and geo-informatics. Students with demonstrated extensive work experience in geomatics engineering would be considered.

Dates: September 18 to December 11, 2010 Saturday 9 am – 4 pm

Fee: \$995 + GST

Note: Students are advised to have software that will create PDF files to submit assignments.

Registration Information: If you plan on attending lectures in person, please register in GET92B, and if you plan to participate primarily by internet, please register in GET92-EA.

To register call 780-471-6248 or 1-877-333-6248 or at http://www.nait.ca/course_GET92.asp