nscc

Course Outline

Course Title	Introduction to Programming for Geomatics
Course Code	PROG 2056
Hours	60
Credits	4
Prerequisites	PROG 1700
Co-Requisites	
Conditions	

Course Description

This course introduces and explores Geomatics concepts, technologies and programming languages used to access, analyze, and present spatial data. Students will use client-side scripting and associated toolkits to develop web-based maps and develop the underlying geographic datasets.

Rationale

The ability to develop and maintain web-based mapping applications in an important skill for a GIS programmer. The essential Geomatics concepts and web-mapping programming skills explored in this course are integral to most web-based mapping applications.

Learning Outcomes

Students are required to successfully complete each course outcome. In keeping with NSCC's approach to portfolio learning, students will have demonstrated the ability to:

1. Apply basic concepts of Geomatics technologies.
2. Develop Spatial Database utilized by Geomatics technologies.
3. Develop a simple open-source web application with open-source web mapping API's.
4. Customize and develop Geomatics web applications with functional tools and widgets.

Grading

The pass for this course is 60%

Required Supplies

Under Development

Other Learning Resources

See your Instructor for details.

Other Information

Not Applicable

Other Course Notes

It is the responsibility of the student to review and understand all Nova Scotia Community College policies, most specifically the Student Community Standards, Academic Integrity, Student Appeals, Use of Copyright Materials, and Academic Accommodation policies. Policies directly applicable to students are referenced in the student handbook. The policies and procedures can be found on the College website: Policies & procedures (https://nscc.ca/policies/)

If you have questions about policies and/or procedures, you are encouraged to ask Faculty, your Academic Chair or Staff at Student Services.

Workplan

A workplan for this course is attached and will be reviewed by your faculty member(s) within the first week of class study.