

PROG 1300**Fundamentals of Application Design****Course Weight:** 60.00**Course Description**

This course introduces the student to the fundamentals of application design. It prepares the student to learn the essentials of developing applications using object oriented programming (OOP). This course provides a foundation in programming terminology, programming processes, programming documentation, and user interfaces. This course includes a brief introduction to the paradigm on which OOP is based.

Rationale

The course introduces the student to the fundamentals of application design and the skills necessary to work with software development processes.

Prerequisite(s):

None

Corequisite(s):

None

Learning Outcomes

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

1. Develop UML diagrams based on simple customer needs and process flows.
2. Develop segments of object-oriented software code based on UML diagrams.
3. Investigate elements of the software development life cycle.
4. Implement unit tests on segments of code.
5. Develop and maintain documentation appropriate for entry-level Information Technology professionals.

Grading

The pass for this course is 60%.

Required Supplies

See instructor for details.

Other Course Notes

It is the responsibility of the student to review and understand all Nova Scotia Community College policies, most specifically the Student Code of Conduct, 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: http://nsc.ca/current_students

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.