
SAAD 1001**Introduction to Systems Analysis and Design - AD****Course Weight:** 60.00**Course Description**

This course explores the analysis and design phases of the software development life cycle using object-oriented methodologies and tools. Exploration can include an introduction to the Unified Modelling Language (UML), the philosophy of agile development and the basics of good proposal writing.

Rationale

An understanding of basic object-oriented analysis and design principles is essential for robust application development. This course introduces learners to these principles.

Prerequisite(s):

PROG 1101 (Introduction to Programming - Visual Basic) or PROG 1102 (Introduction to Programming - Python) or PROG 1700 (Logic and Programming I)

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. Write a systems requirements document to address an information system's needs.
2. Develop a System Specification proposal to address the system requirements.
3. Diagram requirements and specifications using UML, at Domain and Detailed levels.
4. Define testing terminology and develop test cases.
5. Produce intermediate level communication documents and presentations using an office software suite.

Grading

The pass for this course is 60%.

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.