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PROG1017G
Introduction to
Programming

Course Outline

Students are advised to retain course outlines for future use in support of applications for employment or transfer of credits.

Instructor Carter, Stephen	Room A3002
Availability by appointment	
Phone Work: (506) 869-6279	Email stephen.carter@nbcc.ca

Instructor Northrup, Callie	Room A3027
Availability by appointment	
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Program Title ITDI Information Technology: Web and Mobile Application Development 2018 - 2020 (Default)		
Delivering Campus NBCC Moncton Campus	Delivery Mode In Class	
Period of Delivery Fall 2018 (From 2018-09-04 to 2018-12-14)	Classroom A3021	
Course Schedule as per timetable		
Withdrawal date for no record on the student transcript 2018-09-24		
Credits 2	Grading Basis Graded	Pass mark 60%

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Description
This course introduces the student to the fundamentals of application design and programming. Students learn to use a development framework, interface and associated toolset for rapid application development. The course covers introductory elements of event driven programming including forms design, extensive use of controls, properties, methods, events, selection structures, loops, sub procedures, and functions.

Course Outcome
Utilize a development environment and associated tools to construct a basic application given a set of specifications.

Competencies
The following competencies will be achieved:

1. utilize an object oriented language implemented using a development environment and associated tools;
2. apply problem solving abilities in developing program designs from specifications;
3. write programs according to specifications using fundamental programming constructs

- including selection structures, loops, sub procedures and functions;
4. communicate self-identified technical problems, processes and solutions;
 5. test and debug applications;
 6. maintain existing programs by making modifications as required;
 7. transfer theory and skills to new technical concepts and environments.

Essential Skills

Participation in the learning activities related to this course will reinforce the development of essential skills such as the following:

1. Think and Solve Problems

~DRAFT~1.1. Implement and evaluate solutions

2. Participate in Projects and Tasks

- 2.1. Select and use appropriate tools and technology for a task or project

3. Manage Personal and Professional Growth

- 3.1. Learn from mistakes and accept feedback

Activities / Assessments**Test (60 %)****Weight(%)****Practical Tests****40**

Tests are practical. Students are given an application focusing on, but not confined to programming elements covered since the last assessment. Students work without network access, but can access any resources they have available locally, including exercises, assignments, presentations, learning documents, books, etc.

Final Test**20**

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Assignment (40 %)**Weight(%)****Procedure for assignments****40**

A number of assignments will be given during the term. These assignments will provide the student with feedback on their progress. Students will be given a number of days to complete each assignment which will be due on the designated deadline date/time. Assignments not submitted by the deadline will receive a mark of 0.

Homework**Weight(%)****Learning Activities**

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Learning Activities

There will be times where individual learning activities will be required to be completed. Class time is often provided for this purpose, but there may be times when students must finish them after class.

These learning activities are to enhance and support the daily learning, and while not marked for individual feedback the completion of these activities is important for students to verify that they have understood the concepts. The material from learning activities can be considered material that could appear in weekly assignments and tests.

If a student has difficulty with the material from any assigned work (marked or unmarked) he/she should contact the instructor and seek help before the problem escalates.

Other**Weight(%)**

Conduct and Policies

Students should familiarize themselves with all policies at NBCC.ca in addition to any classroom rules shared with them by their instructor.

Required Resources

Visual Studio Community 2017

Approved Electronically

Date

Not Published

NBCC promotes transparency in the application of its policies and procedures. Subsequently, numerous policies that apply to students can be viewed at <http://nbcc.ca/about-nbcc/policies>. Policies and procedures are regularly reviewed and updated. Please be sure to check the site regularly for the most up-to-date document.

Academic Integrity

Each student should be aware of the College's policy regarding Academic Integrity. NBCC's Academic Policy will be strictly enforced.

Student Code of Conduct

Students are responsible to conduct themselves in a professional and ethical manner at all times.

Accommodations and Support

The College will provide reasonable accommodation to students with disabilities in order to promote academic success. - If you feel you may require accommodations or other forms of support while at NBCC, please talk to a counsellor at your campus.

Missed Evaluations

If extenuating circumstances exist, the onus is on the student to make alternative arrangements. The instructor shall make every reasonable effort to accommodate the student. If no extenuating circumstance exists, and the instructor has not given prior approval for an extension, then a grade of zero is given on the evaluation. Extensions are granted with a reasonable penalty attached.

Withdrawal from a Course

Students are advised to consult with an Academic Advisor prior to their withdrawal from a course.

Supplemental Evaluation Measures

Supplemental Evaluation Measures Supplemental Evaluations apply to a student enrolled in a credited learning activity that has completed all assessment and evaluation measures during the duration of the course.

The student must have a final course mark within 10 marks of the passing grade as stated on the course outline. See NBCC policy Supplemental Evaluation Measures for more information.

Applied Research and Innovation

NBCC encourages the integration of Applied Research and Innovation into course activities to enrich the learning experience. If research ideas and activities involve human subjects, please refer to the Tri-Council Policy on research ethics.

<http://tcps2core.ca/welcome>

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SIMS Class Number

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