



Course Code: ICS3U1
Course Name: Introduction to
Computer Programming
Level: University

Student's Name: _____

Overall Course Expectations and/or Curriculum Strands:

Course Description: Introduction to Computer Programming

This course introduces students to computer programming concepts and practices. Students will write and test computer programs, using various problem-solving strategies. They will learn the fundamentals of program design and apply a software development life-cycle model to a software development project. Students will also learn about computer environments and systems, and explore environmental issues related to computers, safe computing practices, emerging technologies, and postsecondary opportunities in computer-related fields.

Prerequisite: None

Ontario Catholic School Graduate Expectations (Vision of the Learner):

The graduate is expected to be:

- 1. A discerning believer**
- 2. An effective communicator**
- 3. A reflective, creative and holistic thinker**
- 4. A self-directed, responsible, lifelong learner**
- 5. A collaborative contributor**
- 6. A caring family member**
- 7. A responsible citizen**

Efforts will be made to meet the individual learning needs of students to promote student success with respect to meeting the expectations of this course.

My signature below indicates that I have read the Course Handout, and I am in agreement with its contents.

Parent's/Guardian's Signature: _____ **Date:** _____

Student's Signature: _____ **Date:** _____

Strands of Study:

Strand 1: Programming Concepts and Skills

- Data Types and Expressions
- Control Structures and Simple Algorithms
- Subprograms
- Code Maintenance

Strand 2: Software Development

- Problem-Solving Strategies
- Designing Software Solutions
- Designing Algorithms
- The Software Development Life Cycle

Strand 3: Computer Environment and Systems

- Computer Components
- File Maintenance
- Software Development

Strand 4: Topics in Computer Science

- Environmental Stewardship and Sustainability
- Exploring Computer Science
- Postsecondary Opportunities

Resources:

The course will use a variety of resources which will be distributed to students during the first week of the course. The resources assigned to each student are the responsibility of the student.

Resources/(Cost if for this course include:)

- USB memory stick.
- Handouts
- 3 Ring Binder



Any damage incurred will result in payment for replacement.

Evaluation Policies

- Student marks will be determined by evaluating process & product according to 4 categories (see below) & 4 levels of the Achievement Chart as found in the Ministry Policy document for XXX Department.

Evaluation Structure:

| | |
|--------------------------------|------------|
| Knowledge/Understanding | 25% |
| Application | 30% |
| Communication | 20% |
| Thinking | 25% |

Term Evaluations = 70% of the final mark and Summative Evaluation = 30% of the final mark. Final Evaluations will include: (itemize; e.g. final examination = 15% & Culminating Performance Task = 15%)

- Feedback will also be provided for student **learning skills:** Responsibility, Organization, Independent Work, Collaboration, Initiative and Self-Regulation are assessed apart from student achievement in the four categories outlined above and will conform to the coding:

E – Excellent G – Good S – Satisfactory N - Needs Improvement

- Assignments** submitted after the due date established by the teacher will receive a penalty **in accordance with our Board Assessment & Evaluation Policy Document** as outlined in the student agenda.
- Should a student miss an evaluation due to a legitimate absence, **in accordance with our Board A&E Policy Document**, the student and teacher will make arrangements to address the missed evaluation in a timely manner. In the cases of **extended vacation** or **prolonged absence**, consultation with the appropriate administrator is required.
- In the event that the student does not make up the missed evaluation(s), a zero may be assigned. If it is determined that the evaluation(s) has/have been missed as a result of a skip/truancy or has/have been plagiarized, a zero may be assigned.
- For all other cases of absence and/or missed please refer to our Board A&E Policy as outlined in the student agenda. IF a final is missed the aggregate mark will be calculated.

St. Joseph – Pray for Us and May God bless your efforts this semester!