



**St. Joseph Secondary School
Department of Social Science**

Course Code: ICS4C
Course Name: Computer Programming
Level: College

Student's Name: _____

USB Stick #: _____

Overall Course Expectations and/or Curriculum Strands:

Course Description: Computer Programming, Grade 12

This course further develops students' computer programming skills. Students will learn object-oriented programming concepts, create object-oriented software solutions, and design graphical user interfaces. Student teams will plan and carry out a software development project using industry-standard programming tools and proper project management techniques. Students will also investigate ethical issues in computing and expand their understanding of environmental issues, emerging technologies, and computer-related careers.

Prerequisite: Introduction to Computer Programming, Grade 11, College Preparation

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

Strand 2: Software Development

Strand 3: Programming Environment

Strand 4: Computers and Society

Core Concepts: OOPs programming

-Review: Encapsulation

-New: Inheritance, Polymorphism

Java is used throughout the course.

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:

-none



Evaluation Policies

1. 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%)

2. 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

3. **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.
4. 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.
5. 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.
6. For all other cases of absence and/or missed evaluations (including absence during the final examination period), please refer to our Board A&E Policy as outlined in the student agenda.

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