

A.M.D.G.



Computer Programming 3 Course Outline

Teacher: Mr. D Degano

Voice mail: (514) 486-1101 ext. 644

E-mail: deganod@loyola.ca

Course Information:

The Secondary 3 computer programming course introduces students to the basic functions required to build software applications. Students will learn basics through the programming interface on Scratch. The students will use this graphical environment to code everything from simple looping structures, to more advanced games. Students will learn programming skills by working with course notes, online examples as well as by completing a series of small projects. Once these skills have been sufficiently developed, the students will be required to design, develop and publish their own self-directed Scratch program.

Course Topics:

- Variables
- Looping Structures
- Conditional statements
- Program Flow
- Functions
- Logic Statements
- Objects and Classes – custom designs

Resources:

- Course/teacher notes
- Online resources: Scratch
- Built-in program help files
- *Moodle* – Loyola courses online

Evaluation:

Term 1:	Assignments	40%
	Term Test	40%
	Participation	20%
Term 2:	Assignments	40%
	Term Test	40%
	Participation	20%
Term 3:	Initial Project	20%
	Final Project Proposal	10%
	Final Project Progress	10%
	Final Project	60%
Summative Mark:	Term 1	20%
	Term 2	20%
	Term 3	60%

Grade allocation is tentative and subject to change based on course progression.

Assignments:

All required software is installed on the computers in lab C, though it will be accessible via any computer with internet access. Students will be expected to complete all work during lab time, though they may supplement their learning with self-directed studying at home. Assignment deadlines are announced well in advance, and as such a penalty of 20% is applied to any project submitted by the beginning of class after the due date. After that time, a mark of zero shall be assessed to that project.

Important Note:

It is the student's responsibility to save and back up all programming work regularly. Loyola is not responsible for work lost due to oversight, network or technical issues.