



Loyola

HIGH SCHOOL

Computer Programming Secondary 4

Teacher: Mr. E Sorensen, SJ

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Course Overview:

The Secondary 4 computer programming course will focus on building a website, from the ground up. They will learn the basics of HTML and CSS in order to visually create a website. Elements of JavaScript will be covered in order to build more dynamic websites and advanced features. Throughout the course, students will develop best practices in version control using Git repositories.

Course Goals

Students describe and implement phases of website design and maintenance.
Students utilize JavaScript, HTML and CSS to create a website.
Students apply design criteria for evaluating the functionality of existing websites.

Unit 1: Website Development and Design Principles	Unit 2: HTML Syntax	Unit 3: CSS Syntax	Unit 4: JavaScript Syntax
	Unit 5: Advanced JavaScript	Unit 6: Website Project	

Course Resources:

- Course/teacher notes
- Various online resources (programmers' discussion forums etc.)
- Built-in program help files
- Google Classroom
- Github
- Codecademy

Evaluation:

Term 1:	Test 1 - HTML	40%
	Project 1	30%
	Assignments	20%
	Participation	10%
Term 2:	Test 2 - CSS	30%
	Project 2	40%
	Participation	10%
	Assignments	20%
Term 3:	Final Project Proposal	15%
	Final Project Benchmark	25%
	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 can also be accessed on 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.

General Expectations:

Students are expected to further develop their work ethic, study habits and time management skills as they continue their progress to becoming independent and active learners. Refer to the Loyola Student Manual for disciplinary guidelines.