SAMPLE COURSE OUTLINE

Course Code, Number, and Title:

WMDD 4820: Introduction to Web Programming

Course Format:
[Course format may vary by instructor. The typical course format would be:]

Lecture 3 h + Seminar 0 h + Lab 2 h

Credits: 3 **Transfer credit:** For information, visit bctransferguide.ca

Course Description, Prerequisites, Corequisites:

Introduction to programming with a modern programming language (e.g., JavaScript) in a Web-based environment. Program development skills including: analyzing a problem to make it amenable to programming; writing structured, modularized programs; program documentation; interacting with the computer operating system; event driven programming for client-side Web applications.

Prerequisites: Admission into the Web and Mobile App Design and Development program or with assessment and permission from the coordinator.

Registration restricted to students admitted to the PDD in Web and Mobile App Design and Development program

Learning Outcomes:
Upon successful completion of this course, students will be able to:

- Methodically decompose a problem as a series of modular reusable units
- Justify the decomposition as having good maintainable qualities
- Implement using the Javascript language a solution to a problem using modular reusable units.
- Document the solution/code
- Effectively test a program for correctness
- Use a version control system to maintain multiple versions of their work

Instructor(s): TBA
Office: TBA **Phone: 604 323 XXXX** **Email: TBA**

Office Hours: TBA

snəẃeyəɬ leləm̓ Langara College acknowledges that we are located on the unceded territory of the Musqueam people.

Textbook and Course Materials:
[Textbook selection may vary by instructor. An example of texts and course materials for this course might be:}

For textbook information, visit https://mycampusstore.langara.bc.ca/buy_courselisting.asp?selTerm=3|8

Note: *This course may use an electronic (online) instructional resource that is located outside of Canada for mandatory graded class work. You may be required to enter personal information, such as your name and email address, to log in to this resource. This means that your personal information could be stored on servers located outside of Canada and may be accessed by U.S. authorities, subject to federal laws. Where possible, you may log in with an email pseudonym as long as you provide the pseudonym to me so I can identify you when reviewing your class work.*

Assessments and Weighting:
Final Exam 30%
Other Assessments %
(An example of other assessments might be:) %

Midterm Exam: 25%
Quizzes/Tests: 10%
Assignments: 35%

Proportion of individual and group work:
Individual: 100%

Grading System: Letter grade
Specific grading schemes will be detailed in each course section outline.

Passing grade: C

Topics Covered:
[Topics covered may vary by instructor. An example of topics covered might be:]

- problem solving
- modular design
- testing
    - debugging
    - developing test plans
    - unit testing
    - regression testing
- using version control systems to store code
- programming language features
    - variables

This generic outline is for planning purposes only.

        - primitive types: numbers, strings, patterns
        - complex types: objects, arrays
    - expressions
    - flow of control: selection, repetion, abstraction
- programming language / browser integration
    - document object model
    - browser event handling

As a student at Langara, you are responsible for familiarizing yourself and complying with the following policies:

College Policies:

E1003 - Student Code of Conduct
F1004 - Code of Academic Conduct
E2008 - Academic Standing - Academic Probation and Academic Suspension
E2006 - Appeal of Final Grade
F1002 - Concerns about Instruction
E2011 - Withdrawal from Courses

Departmental/Course Policies: