



School of Business
Program: Associate Certificate in Web Technologies
Option:

MDIA 3207
Using Scripting Language on the Web

Table with course details: Start Date, End Date, Total Hours (36), Total Weeks (12), Term/Level (201130), Course Credits (3), Hours/Week (3), Lecture, Lab, Shop, Seminar, Other, Prerequisites (MDIA 1205, MDIA 2205), and MDIA 3207 prerequisites (Associate Certificate Program, Certificate Program).

Course Description

This course concentrates on using and modifying commercial and/or freeware JavaScript routines to enhance the content of Web pages. To fully understand how JavaScript scripts work and how they may be modified, students will be asked to create JavaScript routines using manual coding.

Evaluation

Table showing evaluation breakdown: Assignment 1 (20%), Assignment 2 (20%), Assignment 3 (20%), Assignment 4 (20%), Assignment 5 (20%), TOTAL (100%), Passing Grade 50%.

Course Learning Outcomes/Competencies

Upon successful completion, the student will be able to:

- describe the basic structure of a JavaScript.
list some of the properties of JavaScripts.
list JavaScript operations.
describe how to make JavaScript statements.
demonstrate window handling.
employ built-in objects and properties using the DOM in Web pages.
employ some of the Math functions in Web pages.
create JavaScript rollovers and use other JavaScript imaging techniques in Web pages.
employ JavaScript functions in a forms environment.

Verification

I verify that the content of this course outline is current.

Mary Anne Conforti

Authoring Instructor

Date

I verify that this course outline has been reviewed.

Program Head/Chief Instructor

Date

I verify that this course outline complies with BCIT policy.

Dean/Associate Dean

Date

Note: Should changes be required to the content of this course outline, students will be given reasonable notice.

Instructor(s)

Mary Anne Conforti

Office Location: Off Campus

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Office Hrs.:

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Learning Resources

Required:

Text:

JavaScript in Easy Steps

Fourth Edition

Mike McGrath

ISBN: 978-1-84078-362-9

Recommended:

None.

Information for Students

The following statements are in accordance with the BCIT Policies 5101, 5102, 5103, and 5104, and their accompanying procedures. To review these policies and procedures, please refer to:
www.bcit.ca/about/administration/policies.shtml

Attendance/Illness:

In case of illness or other unavoidable cause of absence, the student must communicate as soon as possible with his/her instructor or Program Head or Chief Instructor, indicating the reason for the absence. Prolonged illness of three or more consecutive days must have a BCIT medical certificate sent to the department. Excessive absence may result in failure or immediate withdrawal from the course or program. Please see Policy 5101 — Student Regulations, and accompanying procedures: <http://www.bcit.ca/files/pdf/policies/5101.pdf>

Academic Misconduct:

Violations of academic integrity, including dishonesty in assignments, examinations, or other academic performances are prohibited and will be handled in accordance with Policy 5104 — Academic Integrity and Appeals, and accompanying procedures: <http://www.bcit.ca/files/pdf/policies/5104.pdf>

Attempts:

Students must successfully complete a course within a maximum of three attempts at the course. Students with two attempts in a single course will be allowed to repeat the course only upon special written permission from the Associate Dean. Students who have not successfully completed a course within three attempts will not be eligible to graduate from their respective program.

Accommodation:

Any student who may require accommodation from BCIT because of a physical or mental disability should refer to BCIT's Policy on Accommodation for Students with Disabilities (Policy #4501), and contact BCIT's Disability Resource Centre (SW1-2300, 604-451-6963) at the earliest possible time. Requests for accommodation must be made to the Disability Resource Centre, and should not be made to a course instructor or Program area.

Any student who needs special assistance in the event of a medical emergency or building evacuation (either because of a disability or for any other reason) should also promptly inform their course instructor(s) and the Disability Resource Centre of their personal circumstances.

Assignment Details**Schedule**

Week of/ Number	Outcome/Material Covered	Reference/ Reading	Assignment	Due Date*
1, 2	JavaScript loops and iterations, and JavaScript logic statements	end of Unit 3	1	
3, 4	Arrays	end of Unit 4	2	
5, 6	JavaScript's built-in Date and Math objects	end of Unit 7	3	
7, 8, 9	Forms, form validation and Event Handlers	end of Unit 10	4	
10, 11, 12	Event binding and dynamic effects, including slideshows, image rollovers, and showing and hiding content on a page	end of Unit 11	5	

* Marks may be deducted as a result of late submission of any assignment. Extenuating circumstances must be discussed with the instructor prior to the assignment due date.
