

### 1.0 IDENTIFICATION

#### COURSE INFORMATION

Subject Code	INFO
Course Name	JavaScript - Level 1
Course Code	BIN36
Effective Term	Spring/Summer 2012
Classification	Foundational
Program Code and Name	137 - Webmaster
Total Course Hours	18
Credit Value / Grade Type	1
Academic Year	2011/2012
Approving Associate Dean	Patricia MacDonald
Revision Date	March 28, 2011

### 2.0 LEARNING OVERVIEW

#### SUBSECTION

**Course Description** Learn to use essential JavaScript applications to validate HTML form, "sniff" browser type and set Internet cookies.

PLEASE CONSULT BOOKSTORE BOOKLIST PRIOR TO PURCHASE:

#### Resources

**Status**

REQ = Required  
 REC =  
 Recommended  
 REF = Reference

Code or ISBN	Name or Title	Author / Publisher	Version or Edition	Type	Status
				Supply	REC

**Type**

Online  
Supply  
Text Book  
Custom Courseware

<b>Pre-requisite(s)</b>	<b>Subject Code</b>	<b>Course Code</b>	<b>Course Name</b>
	INFO	10110	Web Page Design
<b>Equivalent(s)</b>	N/A		

**3.0 COURSE CONTENT****MAJOR MODULES, THEMES, OR TOPICS**

What is JavaScript?

Arrays & Images Arrays

JavaScript & HTML Forms

Cookies and Pop-Ups

**4.0 REFERENCE TO STANDARDS**

<b>VS CODE</b>	<b>RELEVANT VOCATIONAL LEARNING OUTCOME</b>
	N/A
<b>EE CODE</b>	<b>RELEVANT ESSENTIAL EMPLOYABILITY SKILLS OUTCOME</b>
EE03-A	Apply a systematic approach to solve problems.
EE03-B	Use a variety of thinking skills to anticipate and solve problems.
EE04-A	Locate, select, organize, and document information using appropriate technology and information systems.
EE04-B	Analyze, evaluate, and apply relevant information from a variety of sources.
<b>GE CODE</b>	<b>RELEVANT GENERAL EDUCATION THEME</b>
	N/A
<b>ES CODE</b>	<b>OTHER EXTERNAL STANDARD</b>
	N/A

**5.0 COURSE LEARNING OUTCOMES**

Upon successful completion of the course learning outcomes, the student will reliably demonstrate the ability to:

LO01      What is JavaScript?

**LEARNING ELEMENTS**

JavaScript Basics

JavaScript Comments

Storing Data: Constants/Literals, Variables, Data Types

Operators

JavaScript Objects, Properties and Methods

IF Control Structure

JavaScript Logical Operators



LO02 Image and Arrays

**LEARNING ELEMENTS**

Creating JavaScript Functions

Event Handlers

Arrays

Image Object

JavaScript and Images

FOR Control Structure

SetTimeout() and clearTimeout()

Animating Images with Hyper-Text Links

Changing Images with on Mouse Over/on Mouse Out



LO03 JavaScript and HTML Forms

**LEARNING ELEMENTS**

More JavaScript Objects, Properties, Methods

String Object

WHILE Control Structure

JavaScript and HTML Forms

Form Tags in HTML

## Mixing Form Field Types

Event Handlers and Forms

parseFloat(), parseInt() and isNaN()

LO04 Cookies and Pop-ups

### LEARNING ELEMENTS

Data Object

What are Cookies?

Using Cookies in JavaScript

Creating a Cookie from an HTML Form

Open a New Window

More Event Handlers

### 6.0 ASSESSMENT

Individual assignment and grading details to be provided by Instructor.

Assessment Method	Weight	Associated Outcomes
Assignment(s)	50%	LO01 , LO02 , LO03 , LO04
Final Exam	50%	LO01 , LO02 , LO03 , LO04
<b>TOTAL</b>		

### 7.0 STUDENT SUCCESS - POLICIES AND PROCEDURES

Mohawk College has developed several policies and procedures designed to protect students and provide an enriching and rewarding learning experience in which the rights of individuals are respected. This may include the use of digital assessments such as [turn it in](#). For the most up to date information on the following policies and procedures, consult Mohawk College's [Policies and Procedures](#) website.

In addition, students enrolled in Mohawk/McMaster collaborative programs are protected under McMaster University's policies and procedures outlined in [General Academic Regulations](#), [McMaster Undergraduate Calendar](#), and in McMaster's [Academic Integrity Policy](#).

Please be advised that all policies and procedures are subject to change.

**EFFECTIVE FALL 2009 - Policy: AC700 - Program Promotion and Graduation Requirements: A minimum grade of 50% is required as a course pass at Mohawk College. Please be aware, however, that a higher passing grade (minimum 60% or**

70%) may be required if this course is taken as part of certain diploma or certificate programs. Please consult your Academic Department for details.

Additionally, if you are taking this course as part of a diploma or certificate program, be aware that you need an overall weighted grade point average (WGPA) of at least 60% to graduate. Graduation requirements are higher for some programs. Please check requirements with your department.

**Note:**

Faculty are required to review Emergency Lockdown procedures and Emergency Evacuation Procedures, including Evacuation Procedures for students with disabilities, at the first class of every course they are teaching each semester. This information is available in the College Emergency Safety and Security Procedures Booklet distributed to all staff in hard copy, or online in MoCoMotion within the HR Staff Services Tab in the Occupational Health and Safety Channel (Occupational Health and Safety web site).

Course information correct as of: **March 28, 2011**