

### 1.0 IDENTIFICATION

#### COURSE INFORMATION

Subject Code	INFO
Course Name	Web Scripting with PHP
Course Code	10112
Effective Term	Spring/Summer 2012
Classification	Foundational
Program Code and Name	137 - Webmaster
Total Course Hours	36
Credit Value / Grade Type	3
Academic Year	2011/2012
Approving Associate Dean	Patricia MacDonald
Revision Date	August 15, 2011

### 2.0 LEARNING OVERVIEW

#### SUBSECTION

**Course Description** Explore fundamental programming and scripting concepts.

PLEASE CONSULT BOOKSTORE BOOKLIST PRIOR TO PURCHASE:

#### Resources

Status	Code or ISBN	Name or Title	Author / Publisher	Version or Edition	Type	Status
REQ = Required REC = Recommended REF = Reference	9780321733450				Text	REQ

**Type**

Online  
Supply  
Text Book  
Custom Courseware

**Pre-requisite(s)**

	Subject Code	Course Code	Course Name
	INFO	10110	Web Page Design

**Equivalent(s)**

N/A
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**3.0 COURSE CONTENT****MAJOR MODULES, THEMES, OR TOPICS**

Getting Started with PHP and Variables

HTML Forms and PHP

Using Numbers and Using Strings

Control Structures

Using Arrays

Creating Web Applications

Cookies and Sessions

Creating Functions, and Files and Directories (Folders)

Introduction to Databases (PHP and MySQL)

**4.0 REFERENCE TO STANDARDS****VS CODE****RELEVANT VOCATIONAL LEARNING OUTCOME**

N/A

**EE CODE****RELEVANT ESSENTIAL EMPLOYABILITY SKILLS OUTCOME**

EE01-A

Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.

EE01-B

Respond to written, spoken, or visual messages in a manner that ensures effective communication.

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.

EE05-A

Show respect for the diverse opinions, values, belief systems, and contributions of others.

EE05-B

Interact with others in groups or teams in ways that contribute to effective working

relationships and the achievement of goals.

<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 Getting Started with PHP and Variables

**LEARNING ELEMENTS**

Basic XHTML and Basic PHP Syntax

Testing your Script

Sending HTML and Text to the Browser

Adding Comments to Scripts

Basic Debugging steps

Define Variables

Types of Variables

Quotation Marks

LO02 HTML Forms and PHP

**LEARNING ELEMENTS**

Create a Simple Form

Choose a Form Method

Receive Form Data in PHP

Displaying Errors and Error Reporting

Manually send Data to a Page

LO03 Using Numbers and Using Strings

**LEARNING ELEMENTS**

Performing Math

Formatting Numbers

Precedence

Incrementing and Decrementing a Number

Creating Random Numbers

Concatenating Strings

Handling Newlines

Encoding and Decoding Strings

Finding Substrings

Replacing Parts of a String



LO04 Control Structures

**LEARNING ELEMENTS**

The If Conditional

Validation Functions

Else

Other Operators

Elseif

Switch Conditional

For Loop



LO05 Using Arrays

**LEARNING ELEMENTS**

Defining and Creating an Array

Adding Items to an Array

Accessing Array Elements

Multidimensional Arrays

Sorting

Transforming between Strings and Arrays

Creating an Array from a Form



LO06      Creating Web Applications

**LEARNING ELEMENTS**

Create Templates

Use External Files

Use Constants

Date and Time

Make Forms Sticky

Send Email

Output Buffering

HTTP Headers



LO07      Cookies and Sessions

**LEARNING ELEMENTS**

Define and Create Cookies

Read from Cookies

Add Parameters to Cookies

Delete a Cookie

Define and Create Sessions

Accessing Session Variables

Deleting a Session



LO08      Creating Functions, and Files and Directories (Folders)

**LEARNING ELEMENTS**

Create and Use Simple Functions

## Creating and Calling Functions that take Arguments

Default Argument Values

Functions that return a Value

Variable Scope

File Permissions

Writing to and Reading from Files

Locking Files

File Uploads

Navigate Directories

Create Directories

Reading Files Incrementally

LO09 Introduction to Databases (PHP and MySQL)

### LEARNING ELEMENTS

Connect to MySQL

MySQL Error Handling

Create and Select a Database

Create a Table

Insert, Update and Delete Data into a Database

### 6.0 ASSESSMENT

Individual assignment and grading details to be provided by Instructor.

Assessment Method	Weight	Associated Outcomes
Assignment(s)	60%	LO01 , LO02 , LO03 , LO04 , LO05 , LO06 , LO07 , LO08 , LO09
Final Exam	40%	LO01 , LO02 , LO03 , LO04 , LO05 , LO06 , LO07 , LO08 , LO09
<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: **August 15, 2011**