

**University Of Paisley
Module Descriptor**

Title	<input type="text" value="Dynamic Web Technologies (M)"/>	
Code	<input type="text" value="COMPM093"/>	
Abbreviated Title	<input type="text"/>	
LTC	<input type="text" value="Networking And Multimedia"/>	
Level/Credit Points	<input type="text" value="SHEM"/>	<input type="text" value="15"/>
ECTS Points	<input type="text" value="7.5"/>	

Pre-Requisites

Before undertaking this module the student should have ability in the following:

<input type="text" value="COMPM058 – Web Site Programming And Production"/>

Module Co-ordinator	<input type="text" value="G McRobbie"/>
Subject Division	<input type="text" value="School Of Computing"/>
Moderator	<input type="text" value="D Turner"/>
External Examiner	<input type="text" value="P Irvine"/>

Learning Outcomes

L1 Demonstrate knowledge that covers and integrates the principal features of Server Side Scripting for the Web L2 Demonstrate expertise of practical database skills which are at the forefront of Dynamic Web Technologies

Content

C1	Introduction to Active Server Pages, VBScript and Programming Concepts Creating Web Pages whose Output is based on User Input
	<ol style="list-style-type: none">1. Learning how to create, view and execute ASP Web Pages2. Using different types of variables3. Altering the flow of ASP Web Pages by utilising control structures4. Using VBScripts extensive built-in function library to enhance ASP Web Pages5. Mastering the fundamentals of using an object-based programming approach6. Increasing the power of ASP Web Pages with a thorough examination of the Response object7. Learning how to use HTML Forms to collect information from your Web Site's visitors8. Gathering and processing information entered into a form with ASP Web Pages9. Using the Request object to receive information from and about your Web Site's visitors10. Learning how to persist state on your Web Site using the Session object11. Reading writing and appending text files using ASP Web Pages
C2	Database Interaction with Active Server Pages
	<ol style="list-style-type: none">1. Learning about the advantage and disadvantages of using Databases2. Receiving the results of a Database Query through an ASP Web Page3. Inserting, Updating and Deleting information from a Database using an ASP Web Page4. Learning the intricacies of the RecordSet object5. Learning how to use SQL to tailor your Database Queries

Assessment

Learning Outcome	Practical A6	Practical A6	
L1	√		
L2		√	
Weighting %	60	40	100
Hours	2	2	4

Assessment Methods

A6 Practical

Assessment Schedule

	INDICATIVE												FIXED	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14 / 15
A6								√					√	

Entry indicates completion of assessment

Teaching & Learning

	L1	L2	TM1	TM3	Self Study	Consolidation	Assess	
C1	√		6	18	68	4	2	
C2		√	3	9	34	4	2	
Total Hours			9	27	102	8	4	150

Teaching Methods

TM1 Lecture

TM3 Practical/Laboratory

Teaching & Learning Support

Attendance requirement

Normal University attendance requirements

Disability Constraints

Where a student discloses a disability, the tutor in consultation with the special needs coordinator will agree the appropriate adjustments to be made.

Transferable skills

TS2 ICT Technologies

TS5 Problem Solving

TS6 Information Handling Including Numeracy

Required Resources: Consultation of the undernoted resources is an integral element of the module and material from these resources will be included in the assessment process.

Materials for this module can be found at the following Web Site:

<http://comp.paisley.ac.uk/>

Students require:

- A Computer with the following software:
 - A Text Editor (*such as Microsoft's Notepad*)
 - An Internet browser with FTP capabilities (*such as Microsoft's Internet Explorer*)
 - Microsoft Access
- Access to an ASP-Enabled Web Server

The textbook "SAMS Teach Yourself Active Server Pages 3.0 In 21 Days" is highly recommended. (*This, and other textbooks may, be used during the practical assessments which are open book*)

Extension Resources: Consultation of the undernoted resources is recommended and material from these resources may be of benefit to the student in the assessment process.

Microsoft Web Site – <http://www.microsoft.com>

Microsoft Software Developers Network Web Site – <http://www.msdn.com/>