

UNIVERSITY OF THE WEST OF SCOTLAND

MODULE DESCRIPTOR

Introductory Note(s):

- (1) All module descriptors require **annual updating**.
- (2) Please refer to top right of descriptor to ensure most recent version has been accessed.
- (3) Please note that not all modules run every academic year.

1.	Title of Module: INTERNET SCRIPTING <i>(NB. 30 Character Limitation must be adhered to)</i>
-----------	---

2.	Code: COMP3021	SCQF Level: 9 <i>(Scottish Credit and Qualifications Framework)</i>	Credit Points: 20	ECTS: 10 <i>(European Credit Transfer Scheme)</i>
3.	School:	COMPUTING		
4.	Module Co-ordinator:	DR GRAEME A MCROBBIE		

5.	Summary of Module (Intended for All Audiences): <i>(This should include general Syllabus details)</i>
	<p>ASP.NET brings many new features for the Web application developer, including compiled server-side code, a technique called code-behind to separate server-side logic from client-side layout, an extensible server-side control model, a well-architected and easy-to-use data binding model, xcopy deployment, and support for form validation on both clients and servers. More than all that, however, ASP.NET gives us unification: a unification of languages, tools, libraries, deployment models, system design, and diagnostics. Web application developers no longer need to differentiate between components used by their pages and components used elsewhere in their architecture. They no longer have to deal with a script debugger to diagnose problems in their pages. They are no longer subject to the often mysterious subtleties of untyped scripting languages and can now use whatever .NET language they prefer in building their pages. Building Web applications is now like any other software development on the .NET platform.</p> <p>This module brings the experienced Web developer up to speed on the ASP.NET platform, complete with in-depth explorations of features, practical examples and exercises, and insights into how to most effectively use ASP.NET to build efficient, easy-to use applications.</p>
6.	Learning Outcomes: (maximum of 5 statements)
	<ol style="list-style-type: none"> 1. Students will learn how to build robust, feature complete Web applications with ASP.NET. 2. Students will take away many practical samples, and have a good understanding of how and when to use which features of ASP.NET. <p><i>(N.B. The above learning outcomes should relate to SCQF Level Descriptors referred to within Section 7.)</i></p>

7.	Employability Skills and Personal Development Planning (PDP) Skills	
	*SCQF Headings	<i>During completion of this module, there will be an opportunity to achieve core skills in:</i>
	Knowledge and Understanding	SCQF 9: Demonstrate a critical understanding specialised subject areas and technological developments within ASP.NET.
	Practice: Applied Knowledge and Understanding	SCQF 9: Practise ASP.NET at a professional level in areas that may include a degree of novelty.
	Generic Cognitive Skills	SCQF 9: Identify problems, analyse results and interpret common error messages to solve problems in a logical manner.
	Communication, ICT and Numeracy Skills	SCQF 9: This subject area is entirely computer based so ICT skills feature heavily in the practice of the subject area.
	Autonomy, Accountability and Working with others	SCQF 9: Exercise autonomy and initiative to independently implement ASP.NET at a professional level.
	<i>(N.B. *Refer to www.scqf.org.uk website for further details relating to the SCQF Level Descriptors)</i>	
8.	Pre-requisites:	Before undertaking this module the student should have undertaken the following:
	Module Code: COMP3022	Module Title: WEB SITE DEVELOPMENT
9.	Learning and Teaching:	
	Learning Activities/Categories: During completion of this module, the learning activities undertaken to achieve the module learning outcomes are stated below:	Student Learning Hours (Normally totalling 200 hours): <i>(Note: Learning hours include both contact hours and hours spent on other learning activities)</i>
	Problem based learning in timetabled computer laboratories integrated with staff presentations, demonstrations and discussions etc.	40
	Assessments within timetabled computer laboratories	8
	Independent study and revision	152
		200 Hours Total

10.	Assessment: <i>(also refer to Assessment Outcomes Grids at end of document)</i>
	<p>Assessment will be based upon:</p> <ul style="list-style-type: none"> • two practical class tests (each worth 30% of the final mark) • a consolidation project (worth 40% of the total mark) <p>During the practical class tests students will have open access to their own books, notes and the online module resources (which can include their own practical work).</p> <p><i>(N.B. (i) Three Assessment Outcomes Grids for the module (one for each main assessment category) can be found at the end of this descriptor which clearly demonstrates how the learning outcomes of the module will be assessed.</i></p> <p><i>(ii) An indicative schedule listing approximate times within the academic calendar when assessment is likely to feature will be provided within the Student Handbook.)</i></p>
11.	Equality and Diversity:
	<p>This module is almost entirely computer based and students should be proficient on a computer within a Windows environment. There are no constraints associated with this module with the material being delivered in a variety of formats (notes, overheads, whiteboard) and in English. The teaching occurs within a laboratory on campus.</p> <p>Other special requirements will be met where possible in discussion with the module coordinator, supervisor, and the special needs officer for the School.</p> <p><i>(N.B. Every effort will be made by the University to accommodate any equality and diversity issues brought to the attention of the School)</i></p>
12.	**Indicative Resources: <i>(e.g. Core text, journals, internet access)</i>
	<p>The following materials form essential underpinning for the module content and ultimately for the learning outcomes:</p> <ul style="list-style-type: none"> • Students must have access to computers with Internet access and Web page editing software – in particular Microsoft Visual Web Developer Express • Student must also have access to a Web server capable of executing and rendering ASP.NET Web documents and applications <p>Course materials (the module descriptor, the module handbook, lecture notes, course notes, live-code examples, tasks, assignments, past assessments, current assessments, up to date book recommendations and external resources) are contained within a live module Web site.</p>
13.	Attendance Requirements
	<p>This section should make explicit where there are specific attendance requirements to be met. It is expected that for most modules the minimum attendance requirement will be 75%. Refer to Regulation 5.7 for further details.</p>

14	Campus(s) for Module Delivery					
	The module will normally be offered on the following campuses / or by Distance Learning (D/L) (i.e. Virtual Campus): <i>(Provided viable student numbers permit)</i>					
	Paisley:	Ayr:	Crichton:	Hamilton:	D/L Virtual Campus:	Other: <i>(Please specify)</i>
Tick	√		√			
15.	Course Reference Numbers (CRNs) <i>(if known)</i>					
	Paisley:	Ayr:	Crichton:	Hamilton:	D/L Virtual Campus:	Other: <i>(Please specify)</i>
Enter						
16.	Semester(s)/Trimester(s) for Module Delivery					
08/09	Trimester 1 <i>(Session 2008/09)</i>	Yes	Trimester 2 <i>(Session 2008/09)</i>	No	Trimester 3 <i>(Session 2008/09)</i>	No

For Internal Use Only

17.	Learning and Teaching Committee (LTC)	Networking & Multimedia
18.	Assessment Results (Pass / Fail)	Please confirm if the Pass/Fail decision will be used? (This will only apply in exceptional cases where the usual A-E Grading system is deemed inappropriate) No
19.	Subject Panel	3 rd & 4 th Year Networking & Multimedia
20.	Moderator	Dr Mark Davison
21.	External Examiner	Dr Alan Hayes
22.	Accreditation Details	NA
23.	Changes / Version Number	

Assessment Outcomes Grids (referred to within Section 10)

(N.B. Please delete any Assessment Outcomes Grids that are not required)

ASSESSMENT CATEGORY 1	Learning Outcome (Identified in Section 8) <i>(Where less than 5 Learning Outcomes exist, please enter N/A where appropriate)</i>	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Learning Outcome (4)	Learning Outcome (5)	Weighting (%) of Assessment Element	Timetabled Contact Hours
	Practical Class Tests	√	√				60	4
	Project	√	√				40	6
Combined Total for All Assessment Categories							100%	8

Note(s):

- (i) More than one assessment method can be used to assess individual learning outcomes.
- (ii) Schools are responsible for determining student contact hours. Please refer to University Policy on contact hours (extract contained within section 10 of the Module Descriptor guidance note).
This will normally be variable across Schools, dependant on Programmes &/or Professional requirements.