

**Session: 2012/13**

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Status: Published

Title of Module: Computing Project			
<b>Code: COMP08053</b>	<b>SCQF Level: 8 (Scottish Credit and Qualifications Framework)</b>	<b>Credit Points: 20</b>	<b>ECTS: 10 (European Credit Transfer Scheme)</b>
<b>School:</b>	Computing		
<b>Module Co-ordinator:</b>	Dr. Mark Stansfield		

Summary of Module
<p>The Computing Project is seen as making an important contribution towards the development of the student's intellectual powers, understanding and independent critical judgement, problem solving and communication skills. The chosen subject area will relate to the student's ongoing academic studies in a Computing/Creative Technologies topic. This module aims to provide students with an opportunity to develop a valuable portfolio piece to show potential employers.</p> <p>In working on their project in small groups, students will undertake a series of activities related to the planning, design, implementation, testing and critical evaluation of a piece of work related to their programme of study. Each group is allocated a supervisor with whom they maintain frequent and regular contact so that the necessary technical and organisational assistance can be obtained. It is expected that groups will develop their portfolio piece in a professional manner, and that the module will provide an insight into how teams in industry work. Groups will be introduced to appropriate professional version control systems to support their development work.</p> <p>Students produce a written report of the project work, document the design and implementation, and critically evaluate the work done.</p> <p>In carrying out this project, students will be expected to consolidate aspects of their study.</p>







Learning Outcomes: (maximum of 5 statements)	
At the end of this module the student will be able to:	
L1. Plan, negotiate and complete a portfolio piece of work according to specified project brief.	
L2. Demonstrate understanding and appreciation of investigative, planning, design and development techniques appropriate to the project brief.	
L3. Communicate and demonstrate ideas and reflect on work undertaken individually and as part of a group.	
Employability Skills and Personal Development Planning (PDP) Skills	
SCQF Headings	During completion of this module, there will be an opportunity to

	achieve core skills in:	
Knowledge and Understanding (K and U)	<p>SCQF Level 8.</p> <p>Working with an agreed scope of knowledge and understanding of a subject area.</p> <p>Understanding that principal theories, principles, concepts and terminology will form part of the project brief.</p> <p>Ability to make informed choices between available technologies.</p>	
Practice: Applied Knowledge and Understanding	<p>SCQF Level 8.</p> <p>Using already acquired skills and knowledge to pursue the aims and objectives of the project.</p> <p>Using a number of design and development techniques to specify and implement the artefact</p>	
Generic Cognitive skills	<p>SCQF Level 8.</p> <p>Assessing the strengths and weaknesses of the techniques used.</p>	
Communication, ICT and Numeracy Skills	<p>SCQF Level 8.</p> <p>Communicating effectively with other team members and supervisory team</p> <p>Interpreting problems and stating solutions</p> <p>Using appropriate tools to maintain deliverables</p> <p>Preparation of individual and group report</p>	
Autonomy, Accountability and Working with others	<p>SCQF Level 8.</p> <p>Working autonomously, taking responsibility for own learning objectives agreed under supervision.</p> <p>Making effective use of supervision to overcome any learning or project related tasks.</p> <p>Working within a group to a set deadline</p>	
<b>Pre-requisites:</b>	Before undertaking this module the student should have undertaken the following:	
	<b>Module Code:</b>	<b>Module Title:</b>
	<b>Other:</b>	
<b>Co-requisites</b>	<b>Module Code:</b>	<b>Module Title:</b>

\* Indicates that module descriptor is not published.

<b>Learning and Teaching</b>	
<p>The project work for this module is performed in small groups. Lectures will be used to give a brief overview of tools and techniques relevant to the project work. Tutorials will be used to establish the teams and provide support in setting project objectives, and to identify an appropriate supervisor and, where possible, mentor for the group. Groups will meet regularly with their supervisor, and when possible with their mentor, to review progress, discuss options and seek advice. Completing the module is likely to involve students engaging in independent study of specialist techniques and technologies, for example that are required to implement a design that the group have produced, or to develop tools to investigate a problem area they have identified.</p>	
<p><b>Learning Activities/Categories:</b> During completion of this module, the learning activities undertaken to achieve the module learning outcomes are stated below:</p>	<p><b>Student Learning Hours</b> (Normally totalling 200 hours): (Note: Learning hours include both contact hours and hours spent on other learning activities)</p>
Lectures	12
Tutorials	6
Supervisor/Mentor Meetings	10
Team Coursework & Reports	102
Independent Study and Revision	70
(eg. Lectures / tutorials / practicals / laboratory / seminars / project work (individual) / project work (group) / placements / e-learning / flexible learning / problem-based learning / blended learning / field trips / distance learning / other approaches)	200 Hours Total
<b>Assessment: (also refer to Assessment Outcomes Grids at end of document)</b>	
<p>Assessment will be based on a group-based development or investigative project and report worth 80% of the final mark. The report must identify each individual's contribution and individual marks will be graded accordingly. A project plan, prepared by the group, will be worth 10% of the final mark. An individual critical appraisal will be worth 10% of the final mark.</p>	
<p>(N.B. (i) <b>Assessment Outcomes Grids</b> for the module (one for each main assessment category) can be found at the end of this descriptor which clearly demonstrate how the learning outcomes of the module will be assessed. (ii) An <b>indicative schedule</b> listing approximate times within the academic calendar when assessment is likely to feature will be provided within the Student Handbook.)</p>	
<b>Equality and Diversity</b>	
<p>Nothing in the module should present difficulties for students on the basis of their gender, ethnicity, or sexual orientation. In relation to students with special needs, when a student discloses a disability the individual module tutor, in consultation with an Enabling Support Co-ordinator, will agree any appropriate adjustments to be made. Students should note that the language of instruction is English and that they will need to have a reasonable grasp of the language in order to keep abreast of the teaching materials and in submitting assessed work.</p>	
<p>(N.B. Every effort will be made by the University to accommodate any equality and diversity issues brought to the attention of the School)</p>	

<b>**Indicative Resources: (eg. Core text, journals, internet access)</b>
The following materials form essential underpinning for the module content and ultimately for the learning outcomes:
A Blackboard module site will be provided to support the student.
(**N.B. Although reading lists should include current publications, students are advised (particularly for material marked with an asterisk*) to wait until the start of session for confirmation of the most up-to-date material)
<b>Attendance Requirements</b>
It is expected that students will attend all scheduled classes or participate with all delivered elements as part of their engagement with their programme of study. Please refer to UWS Regulation 5.7. Students will maintain regular contact with their appointed academic supervisor.

Campus(es) for Module Delivery					
The module will <b>normally</b> be offered on the following campuses / or by Distance Learning (D/L) (ie.Virtual Campus): (Provided viable student numbers permit)					
Paisley:	Ayr:	Dumfries:	Hamilton:	D/L Virtual Campus:	Other:
					
Course Reference Numbers (CRNs) (if known)					
Paisley:	Ayr:	Dumfries:	Hamilton:	D/L Virtual Campus:	Other:
not known	not known	not known	not known		
Trimester(s) for Module Delivery					
(Provided viable student numbers permit).					
Trimester 1		Trimester 2		Trimester 3	

#### For Internal Use Only

<b>Subject Development Group (SDG)</b>	Creative Technologies
<b>Assessment Results (Pass/Fail)</b>	No
<b>Subject Panel</b>	Games
<b>Moderator</b>	R Beeby
<b>External Examiner</b>	Dr Paul Chapman
<b>Accreditation Details</b>	This module is accredited by BCS as part of a number of specified programmes.
<b>Changes/Version Number</b>	V2.3 Accreditation detail added.

### Assessment Outcome Grids (Footnote A.)

Assessment Category 1					
Learning Outcome (Footnote B.)	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Weighting (%) of Assessment Element	Timetabled Contact Hours
Written Assignment	✓	✓	✓	80	0
Other : A project plan 10%, critical appraisal 10%	✓	✓	✓	20	0
<b>Combined Total For All Assignment Categories</b>				100%	0 hours

#### Footnotes

- A. Referred to within Assessment Section above  
 B. Identified in the Learning Outcome Section above

#### Note(s):

1. More than one assessment method can be used to assess individual learning outcomes.
2. 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, dependent on Programmes &/or Professional requirements.