MODULE SPECIFICATION

Part 1: Information			
Module Title	Web Technologies and Platforms		
Module Code	UFCFRE-30-1	Level	Level 4
For implementation from	2020-21		
UWE Credit Rating	30	ECTS Credit Rating	15
Faculty	Faculty of Environment & Technology	Field	Computer Science and Creative Technologies
Department	FET Dept of Computer Sci & Creative Tech		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description

Overview: This module introduces the tools and techniques required for effective webpage design.

Educational Aims: You will learn to develop effective webpages using up-to-date tools and techniques.

Outline Syllabus: Investigating different webpage templates and designs and appraising their advantages and limitations in meeting the business requirements.

Highlighting good practice and web design and programming, e.g. consistency, fast download time, dynamic and interactive tools, accessibility tools for disabled people…etc.

Explaining the requirements and limitations of different platforms, e.g. bandwidth, reliable connection, security issues, visual quality…etc.

Discussing a range of web programming languages and online database systems, e.g. XHTML, CSS, JavaScript, PHP, MySQL.

Designing, programming and linking a dynamic website that meets the requirement specifications.

Using a range of testing and evaluating measures for online applications.

Teaching and Learning Methods: Introductory lectures covering the fundamentals and technical underpinning of the module for the first assessment before progressing onto practical delivery through a series of lessons, workshops and practical tasks in the classroom to develop the tools and techniques required to complete the practical assessment for this module. Students are also provided with access to a suitable hosting platform to support the delivery and testing of this assessment.

Part 3: Assessment

The Web Technologies and Platforms module is assessed using a combination of a presentation and website development practical portfolio a to reflect industry practice.

Students will be set a Website Development scenario/project to complete following a formal development lifecycle. The first presentation will require students to analyse the provided scenario and design a solution to meet the project requirements. These completed designs will be presented to the "client" in a presentation in which the rationale for the design choices can be proposed.

The practical portfolio will require students to required to develop, publish, and test the website proposed in the presentation. The site should contain both Client and Server Side scripting to create a complex solution that must be published and tested on a live web hosting environment.

Tutor-lead formative feedback will be available throughout the module.

First Sit Components	**Final Assessment**	**Element weighting**	**Description**
Poster - Component A		25 %	Poster Defence (15 mins) In class
Practical Skills Assessment - Component B	✓	75 %	Web Site development, programming and publishing
Resit Components	**Final Assessment**	**Element weighting**	**Description**
Poster - Component A		25 %	Poster Defence (15 mins)
Practical Skills Assessment - Component B	✓	75 %	Web Site development, programming and publishing

Part 4: Teaching and Learning Methods

Learning Outcomes

On successful completion of this module students will achieve the following learning outcomes:

Module Learning Outcomes	Reference
Understand how to plan a website and appreciate the need for a design template	MO1
Assess and communicate the suitability of the target website for different platforms.	MO2
Identify and communicate the business ethos that the website is required to convey	MO3
Demonstrate the use of a range of techniques from a number of web programming languages and protocols together to achieve the desired dynamic website	MO4
Employ an online database to provide data storage to online applications	MO5
Design, program, publish, test and evaluate an easily managed dynamic website that meets requirements	MO6

Contact Hours

Independent Study Hours:	
Independent study/self-guided study	192
Total Independent Study Hours:	192
Scheduled Learning and Teaching Hours:	
Face-to-face learning	108
Total Scheduled Learning and Teaching Hours:	108
Hours to be allocated	300
Allocated Hours	300

Reading List

The reading list for this module can be accessed via the following link:

https://rl.talis.com/3/uwe/lists/26609ECF-0713-4033-4FF6-18D9BAEBF32B.html

Part 5: Contributes Towards

This module contributes towards the following programmes of study:

Applied Computing[Sep][FT][UCW][3yrs] BSc (Hons) 2020-21

Applied Computing [Sep][FT][UCW][2yrs] FdSc 2020-21

Applied Computing [Sep][PT][UCW][3yrs] FdSc 2020-21