



MODULE SPECIFICATION

Part 1: Information			
Module Title	Web Foundations		
Module Code	UFCFTN-30-0	Level	Level 3
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
<p>Overview: This module will introduce students to the World Wide Web, several web design technologies (including HTML, CSS and JavaScript), website design processes and the web infrastructure. In particular, there is a clear focus throughout on client-side technologies. However, there will be some consideration given to server-side scripting (such as Python). The module provides a strong practical element giving the student ample opportunity to learn and practise new skills.</p> <p>Educational Aims: See Learning Outcomes</p> <p>Outline Syllabus: HTML/CSS tags and properties</p> <p>Client-side and Server-side Scripting</p> <p>Internet and WWW basics</p> <p>Web Protocols and Web Technologies</p> <p>Web Design Standards (W3C)</p> <p>Two-Tier and Three-tier Architecture</p>

STUDENT AND ACADEMIC SERVICES

Web Hosting and Webspace

Wireframes, Prototypes and Branding

Source-control (Git)

Teaching and Learning Methods:

Teaching and learning methods will include a set of scheduled learning opportunities.

Lectures will be used to present basic concepts and context and provide an introduction to the laboratory work and independent learning.

Laboratory sessions provide space for students to initiate practice on the materials derived from the lectures.

On-going assessment will form a major part of the laboratory sessions which require students to complete tasks.

Independent learning requires students to work outside scheduled classes to continue to improve their practical skills and to work on their assignment work.

Part 3: Assessment

The assessment for this module is carefully designed to support students in developing their learning skills. The module aims to help students develop a set of practical skills for design and building static websites. Regular assessment encourages both engagement and attendance. Each student is expected to complete a set of in-class formative tasks and have these assessed by a tutor/peer who will offer feedback to help the student consolidate their learning and improve their understanding. In addition, regular self-assessment tests will be provided to help students check their understanding, identify areas for self-development and provide an aid to exam revision.

Students will be expected to complete two elements of summative coursework, which allow them to demonstrate their achievements with respect to the learning outcomes. The first element of the assessment is a Design Report in which a student is expected to provide a detailed design for a website that they will be constructing in the second element of assessment. The second element is to construct a small Website (fully tested and validated) using the design document produced in the first element. There will be numerous opportunities for formative feedback throughout the module to help encourage student engagement with these assessments.

The controlled conditions assessment is an online examination. This examination will assess the student's understanding of the various technologies used in web design and processes used to design and build web sites. It will assess learning outcomes that cannot easily be assessed through practical tasks.

Assessment is designed to be inclusive, and to take into account the range of ability that students have at the start of the course. Assessments are designed to provide opportunities for students to be stretched and challenged.

Plagiarism is designed out by the individual nature of the assessments and the involvement of the tutor during the semester.

First Sit Components	Final Assessment	Element weighting	Description
Report - Component B		19 %	Written Design Report
Project - Component B		56 %	Individual Website
Examination (Online) - Component A	✓	25 %	Online Examination (24 hour time window)

STUDENT AND ACADEMIC SERVICES

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Part 4: Teaching and Learning Methods																			
Learning Outcomes	<p>On successful completion of this module students will achieve the following learning outcomes:</p> <table border="1"> <thead> <tr> <th>Module Learning Outcomes</th> <th>Reference</th> </tr> </thead> <tbody> <tr> <td>Identify and explain common HTML and CSS elements used in web development</td> <td>MO1</td> </tr> <tr> <td>Demonstrate the use of common HTML and CSS elements to construct a webpage with clear distinction made between web-page content, its structure and how the webpage is presented</td> <td>MO2</td> </tr> <tr> <td>Explain what Web Hosting is and how it works for small websites</td> <td>MO3</td> </tr> <tr> <td>Demonstrate an ability to configure webspace efficiently and securely to host a small website</td> <td>MO4</td> </tr> <tr> <td>Create a website design document that adheres to Web Design Standards (W3C) and includes layout wireframes, graphic design choices, browser compatibility issues, accessibility issues and a branding guide</td> <td>MO5</td> </tr> <tr> <td>Explain what a three-tier web architecture is and how it is used in web development</td> <td>MO6</td> </tr> <tr> <td>Identify and explain common web protocols (such as HTTP, FTP, etc) and web technologies (such as Semantic Web, Web Services, XML/JSON, etc)</td> <td>MO7</td> </tr> <tr> <td>Demonstrate the use of basic client-side scripting to produce dynamic webpages</td> <td>MO8</td> </tr> </tbody> </table>	Module Learning Outcomes	Reference	Identify and explain common HTML and CSS elements used in web development	MO1	Demonstrate the use of common HTML and CSS elements to construct a webpage with clear distinction made between web-page content, its structure and how the webpage is presented	MO2	Explain what Web Hosting is and how it works for small websites	MO3	Demonstrate an ability to configure webspace efficiently and securely to host a small website	MO4	Create a website design document that adheres to Web Design Standards (W3C) and includes layout wireframes, graphic design choices, browser compatibility issues, accessibility issues and a branding guide	MO5	Explain what a three-tier web architecture is and how it is used in web development	MO6	Identify and explain common web protocols (such as HTTP, FTP, etc) and web technologies (such as Semantic Web, Web Services, XML/JSON, etc)	MO7	Demonstrate the use of basic client-side scripting to produce dynamic webpages	MO8
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Reading List	<i>The reading list for this module can be accessed via the following link:</i>																		

<https://uwe.rl.talis.com/modules/ufcftn-30-0.html>

Part 5: Contributes Towards

This module contributes towards the following programmes of study:

Software Engineering for Business {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2020-21
Software Engineering for Business {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2020-21
Computing {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2020-21
Computing {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2020-21
Computer Science {Foundation}[Sep][FT][Frenchay][4yrs] BSc (Hons) 2020-21
Computer Science {Foundation}[Sep][SW][Frenchay][5yrs] BSc (Hons) 2020-21
Digital Media {Foundation}[Sep][FT][Frenchay][4yrs] BSc (Hons) 2020-21
Audio and Music Technology {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2020-21
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