Module Specification

Web Foundations

Version: 2021-22, v2.0, 12 Jul 2021

Contents

Part 1: Information

Module title: Web Foundations

Module code: UFCFTN-30-0

Level: Level 3

For implementation from: 2021-22

UWE credit rating: 30

ECTS credit rating: 15

Faculty: Faculty of Environment & Technology

Department: FET Dept of Computer Sci & Creative Tech

Partner institutions: None

Delivery locations: Frenchay Campus

Field: Computer Science and Creative Technologies

Module type: Standard

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

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.

Features: Not applicable

Educational aims: See Learning Outcomes

Outline syllabus: HTML/CSS tags and properties

Client-side and Server-side Scripting

Internet and WWW basics

Web Protocols and Web Technologies

Web Design Standards (W3C)

Two-Tier and Three-tier Architecture

Web Hosting and Webspace

Wireframes, Prototypes and Branding

Part 3: Teaching and learning methods

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

Lectorials 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 lectorials.

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.

Module Learning outcomes:

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 Demonstrate an appropriate level of academic report writing skills for Foundation Year including UWE Harvard referencing, page numbering, and title page

MO6 Demonstrate the use of basic client-side scripting to produce dynamic webpages

Hours to be allocated: 300

Contact hours:

Independent study/self-guided study = 228 hours

Face-to-face learning = 72 hours

Total = 300

Reading list: The reading list for this module can be accessed at readinglists.uwe.ac.uk via the following link https://uwe.rl.talis.com/modules/ufcftn-30-0.html

Part 4: Assessment

Assessment strategy: 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 self-assessment tests will be provided to help students check their understanding and identify areas for self-development.

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.

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.

Resit Assessment strategy:
This will focus on a two assignments (Design Document and Website) which assess all of the module learning outcomes. These assessments will be based on the original summative module assessments. The student may be required to use the same scenario as in the original assessments or a new scenario specifically designed for the resit.

Assessment components:

Report - Component A (First Sit)
Description: Written Design Report
Weighting: 25 %

Final assessment: No

Group work: No

Learning outcomes tested: MO4, MO5

Project - Component B (First Sit)

Description: Individual Website

Weighting: 75 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO6

Report - Component A (Resit)

Description: Written Design Report

Weighting: 25 %

Final assessment: No

Group work: No

Learning outcomes tested: MO4, MO5

Project - Component B (Resit)

Description: Individual Website

Weighting: 75 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO6

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Software Engineering for Business {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2021-22

Computer Science {Foundation}[Sep][FT][Frenchay][4yrs] BSc (Hons) 2021-22

Computer Science {Foundation}[Sep][SW][Frenchay][5yrs] BSc (Hons) 2021-22

Business Computing {Foundation} [Feb][FT][GCET][4yrs] BSc (Hons) 2021-22

Business Computing {Foundation} [Oct][FT][GCET][4yrs] BSc (Hons) 2021-22

Business Computing {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2021-22

Computer Science {Foundation}[Oct][FT][GCET][4yrs] BSc (Hons) 2021-22

Business Computing {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2021-22

Software Engineering for Business {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2021-22

Audio and Music Technology {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2021-22

Audio and Music Technology {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2021-22

Computer Science (Artificial Intelligence) {Foundation}[Oct][FT][GCET][4yrs] BSc (Hons) 2021-22

Computer Science (Smart Devices) {Foundation}[Oct][FT][GCET][4yrs] BSc (Hons) 2021-22

Computer Science {Foundation}[Feb][FT][GCET][4yrs] BSc (Hons) 2021-22

Computer Science (Smart Devices) {Foundation}[Feb][FT][GCET][4yrs] BSc (Hons) 2021-22

Computer Science (Artificial Intelligence) {Foundation}[Feb][FT][GCET][4yrs] BSc (Hons) 2021-22

Computer Science {Foundation}[Feb][PT][GCET][8yrs] BSc (Hons) 2021-22