

COURSE SPECIFICATION DOCUMENT

Academic School / Department:	School of Liberal Arts
Programme:	Computer Science
FHEQ Level:	4
Course Title:	Web Development
Course Code:	DGT 4104
Student Engagement Hours:	120 (standard 3- credit BA course)
Lectures:	22.5
Lab:	22.5
Independent / Guided Learning:	75
Semester:	Fall, Spring
Credits:	12 UK CATS credits 6 ECTS credits 3 US credits

Course Description:

This course is an introduction to front-end of web design with essential concepts such as understanding websites and the latest versions of HTML, CSS and JavaScript to enable the development of sophisticated client-side interactive web applications. The course will also include the basics of usability and accessibility requirements of web services.

Prerequisites:

None

Aims and Objectives:

By the end of this course, students will be able to respond to a client brief to develop a website that is functional from the front-end. They will be able to use industry standard tools such as HTML, CSS and JavaScript effectively to achieve these outcomes. Students will also possess an awareness of industry standard intellectual property, usability and accessibility expectations.

Programme Outcomes:

COMPSC: A1, A4, A5, A6, A7, B1, B2, B5, C1, C4, C6

A detailed list of the programme outcomes are found in the Programme Specification.

This is located at the archive maintained by Registry and found at:

<https://www.richmond.ac.uk/programme-and-course-specifications/>

Learning Outcomes:

By the end of this course, successful students should be able to:

- Understand and identify the tools and technology used in front-end of websites
- Understand multiple web-based platform where web-based programming can be applied
- Use HTML, CSS and JavaScript to create interactive web pages
- Apply understanding of Intellectual Property, Usability and Accessibility to websites

Indicative Content:

- Deconstructing a Website
- HTML
- CSS for styling and positioning
- JavaScript and basic dynamic content
- Usability
- Accessibility
- Intellectual Property
- Libraries and Frameworks eg. JQuery

Assessment:

This course conforms to the University Assessment Norms approved at Academic Board and located at: <https://www.richmond.ac.uk/university-policies/>

Teaching Methodology:

- Lectures, practical demonstrations and step-by-step software tutorials, class workshops, one-to-one tutorials.

Indicative Text(s):

“JavaScript – The Definitive Guide: Master the World’s Most-Used Programming Language” by David Flanagan, O’Reilly, Seventh Edition, 2020

Journals/Additional Texts

Firth, A., 2019. *Practical Web Inclusion and Accessibility: A Comprehensive Guide To Access Needs*. London: Apress.

Robbins, J., 2018. *Learning Web Design*. Sebastopol, Calif,: O’Reilly.

Web Sites

<http://www.w3schools.com/>>

<https://developer.mozilla.org/en-US/>

See syllabus for complete reading list

Change Log for this CSD:

Nature of Change	Date Approved & Approval Body (School or AB)	Change Actioned by Registry Services
Course title change, per validation panel conditions.	19/05/2022SLA	19/05/2022