

Web Technologies (INST0007)

Key information

Faculty

Faculty of Arts and Humanities

Teaching department

Information Studies

Credit value

15

Restrictions

The module is compulsory for students on the BSc IMB programmes and optional for BASc Science and Engineering pathway. Other students may be able to take the module but this will be dependent upon space available in computer labs. Priority will always be given to IMB and BASc students.

Timetable

[Link to online timetable](#)

Alternative credit options

There are no alternative credit options available for this module.

Description

This undergraduate module introduces students to the fundamental technologies and tools for front end web development and maintenance. It introduces the basic concepts of web design and user engagement with web-based environments. It aims to develop an appreciation of web-related technologies such as HTML, CSS and JavaScript. It touches upon the use of XML and JSON, and the use of web services and data. Introducing a range of technologies and tools for creating, publishing, monitoring and maintaining websites the module enables students to choose a learning path for further understanding of web development.

On completing the course students should understand the basic principles of website development, be familiar with HTML, CSS, JavaScript, XML, JSON and related tools, services and protocols. They should recognise the importance of separating structure and styling, be familiar with the notions of user experience, responsive design, accessibility, search engine optimisation and the use of web services.

Learning Outcomes:

- On successful completion of the module, students will be able to:
- understand the basic principles of website design and development;
- become familiar with technologies and related tools for prototyping, mark-up, and scripting;
- understand concepts and develop skills related to user experience and accessibility;
- understand concepts related to good practices of developing and evaluating websites.

Delivery Method:

Weekly 2-hour Lectures and 1-hour Practical Sessions.

Additional Information:

- Students are required to complete weekly tutorial sheets which exercises to support learning. Students are required to submit these via Moodle regularly and seek feedback during the practical sessions.
- Formative mid-term in-class multiple-choice question and answer test.

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Teaching and assessment

Mode of study

In person

Methods of assessment

100% Coursework

Mark scheme

Numeric Marks

Other information

Number of students on module in previous year

118

Module leader

Dr Karen Stepanyan

Who to contact for more information

dis-ug-enquiries@ucl.ac.uk

Last updated

This module description was last updated on 8th April 2024.

Useful links

- [Disclaimer](#)
- [Glossary of terminology](#)
- [Modules not in the catalogue](#)
- [Student module selection](#)

Sustainability

For a list of modules related to climate change as well as social and environmental sustainability at UCL, type 'climate' or 'sustainability' into the search. Visit [Sustainable UCL](#) for information on extra-curricular activity on sustainability.

Important information



The catalogue has been updated with key information about the modules that will run during the 2024/25 academic session. Current and prospective students can browse through the catalogue to consider possible module choices for the coming year.

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