
 Web technologies TT284

Presentation pattern October to June

Module description

The World Wide Web continues to provide a foundation for the development of a broad range of increasingly influential and strategic technologies, supporting a large variety of applications and services, both in the private and public sectors. There is a growing need for management and decision makers to gain a clearer understanding of the application development process, from planning through to deployment and maintenance. This module will give students insight into architectures, protocols, standards, languages, tools and techniques; an understanding of approaches to more dynamic and mobile content; and demonstrate how they can analyse requirements, plan, design, implement and test a range of web applications.

Person specification

The person specification for this module should be read in conjunction with the [generic person specification](#) for an associate lecturer at The Open University.

As well as meeting all the requirements set out in the generic person specification, you should have:

- familiarity with core web technologies and standards including some of HTML, HTTP, XML, DOM, XSLT, XPATH and programming languages such as Javascript and PHP
- an interest in application architectures (Client/Server, Tiered, SOA, Network/Cloud) and components (web servers, databases etc.) as well as in mobile applications
- some understanding of basic project planning, use of groupware, web application design, implementation and testing
- insight and ability to focus on teaching technology at the level of 'concepts'
- the ability to support students undertaking a short project (time management, planning, research and writing skills)
- an interest in supporting students by providing constructive feedback to assessment for their development of key skills (communication, information literacy and independent learning)
- a willingness to learn all the software tools used in the module to a level of expertise where you can provide first-point-of-contact advice to students.

It would be an advantage to have:

- professional experience in design and/or management of web application development as a team leader
- a mix of both commercial and academic experience in the area of web technology
- previous experience in tutoring modules related to web technology.

Additional information

- TT284 is presented electronically. Tuition is carried out using online forums; assignments are submitted, marked and returned electronically. Experience of using electronic forms of distance teaching and support would be useful but training can be provided.

Module related details - a full explanation can be found on the website

Credits awarded to the student for the successful completion of a module:	30
Number of assignments submitted by the student:	3
Method of submission for assignments:	2
Level of ICT requirements:	3
Number of students likely to be in a standard group:	20
Salary band:	3
Estimated number of hours per teaching week:	3.5