Web Development

Module Information

2022.01, Approved

Summary Information

Module Code	5612TECYPC
Formal Module Title	Web Development
Owning School	Engineering
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
YPC International College (Kolej Antarabangsa YPC)

Learning Methods

Learning Method Type	Hours
Lecture	24
Tutorial	24

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-PAR	PAR	January	12 Weeks

Aims and Outcomes

Aims	To allow the student to investigate a variety of web development technologies andpractice techniques for developing dynamic websites

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Evaluate client-side technologies for use in developing a website
MLO2	2	Produce appropriate dynamic content for a website using a combination of HTML, CSS, and JavaScript
MLO3	3	Implement dynamic web functionality to access an appropriate data source
MLO4	4	Explain server-side processing in relation the development of a website (e.g. PHP)

Module Content

Outline Syllabus	Overview of the Internet and World Wide Web Client and Server communicationsClient-side markup and formatting languages Web page layoutClient side dynamism techniquesDynamic behaviour with JavaScriptAsynchronous web applicationsServer side dynamism techniques and programming (e.g. PHP)Database: e.g. JDBC, MySQL
Module Overview	
Additional Information	This module seeks to endow the student with the necessary knowledge and underpinning technologies to develop for the World Wide Web. Students will learn techniques and technologies to develop web applications, using a server-side programming language to dynamically generate standards compliant markup, driven from a data source, using design principles that abstract content from aesthetic and utilizes client-side dynamism to enhance the user's experience, using industry standard toolsets and web-focused APIs.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Report writing	100	0	MLO1, MLO2, MLO3, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Karl Jones	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings