

### Summary Information

Module Code	4502COMECA
Formal Module Title	Networks and Web Development
Owning School	Computer Science and Mathematics
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	40

### Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

### Partner Teaching Institution

Institution Name
Education Centre of Australia Pty Ltd

### Learning Methods

Learning Method Type	Hours
Online	44

### Module Offering(s)

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

### Aims and Outcomes

Aims	To introduce students to the most common technologies underlying modern computer networking and communications. To introduce the basic concepts of internet and web technologies. To explore the design issues of modern networked applications.
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**After completing the module the student should be able to:**

### Learning Outcomes

Code	Number	Description
MLO1	1	Identifying appropriate uses of web client-side technologies.
MLO2	2	Convert user requirements into interactive web pages using modern tools and technologies.
MLO3	3	Identify applications of Network/Internet protocols.
MLO4	4	Describe various features of Computer Networks and the Internet's infrastructure.

### Module Content

Outline Syllabus	Basic computer networking concepts Internet networking: Personal, Local and Wide Area Networks Internet Service Providers / Broadband / Telecommunications Network / Internet protocols: TCP / IP/ DNS / HTTP Technical, social and regulatory challenges in the Internet Understanding the construction of the World Wide Web The basics of HTML living standard Advanced HTML5 features (Video and Canvas) Cascade Style Sheets (CSS) Web Browsers and Rendering Usability & Accessibility Scripting languages (JavaScript/JQuery) XML/JSON Introduction to Web Server Technologies Social Media Technologies
Module Overview	
Additional Information	This module is intended to provide students with an understanding of modern Internet and web technologies. It will present the technologies underlying computer networking and the applications built on networks. These include interactive Web.

### Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Technology	Website development	50	0	MLO1, MLO2
Exam	Examination	50	2	MLO3, MLO4

### Module Contacts

#### Module Leader

Contact Name	Applies to all offerings	Offerings
Wasiq Khan	Yes	N/A

#### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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