LIVERPOOL JOHN MOORES UNIVERSITY

Future Internet

Module Information

2022.01, Approved

Summary Information

Module Code	7121COMP
Formal Module Title	Future Internet
Owning School	Computer Science and Mathematics
Career	Postgraduate Taught
Credits	20
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
Computer Science and Mathematics

Learning Methods

Learning Method Type	Hours
Lecture	11
Practical	11
Tutorial	11

Module Offering(s)

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

Aims and Outcomes

Aims	To discuss the evolution of the current Internet toward addressing future challenges To introduce future networking paradigms and technologies and the strategies to engineer their solutions

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Evaluate technologies and methods used in today's Internet
MLO2	2	Interpret technical issues to be addressed to support future Internet applications
MLO3	3	Design solutions using emerging technologies and paradigms that will support next generation Internet
MLO4	4	Appraise future internet techniques, methods, and architectures against current internet solutions

Module Content

Outline Syllabus	Future Internet TrendsFuture Internet Enabling TechnologiesEmerging Network ArchitecturesNetwork Protocols and PracticeTheory and ModelsResource Management in Future InternetNew Networking Paradigms
Module Overview	
Additional Information	The module exposes students to ongoing research and development in the area of next generation 'future' Internet. Our current Internet is built on old technology but replacing that is a huge engineering challenge. As a Level 7 module it is research oriented and builds on students knowledge from previous levels in the programme.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Portfolio	Network Design Task	50	0	MLO1, MLO2, MLO3
Centralised Exam	Exam	50	2	MLO1, MLO2, MLO4

Module Contacts