

Liverpool John Moores University

Title: Advanced Networks
Status: Definitive
Code: **6514CSMM** (128326)
Version Start Date: 01-08-2021

Owning School/Faculty: Computer Science and Mathematics
Teaching School/Faculty: Auston College Myanmar, Yangon, Myanmar

Team	Leader
Alessandro Raschella	Y
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Academic Level: FHEQ6
Credit Value: 20
Total Delivered Hours: 44
Total Learning Hours: 200
Private Study: 156

Delivery Options

Course typically offered: Runs Twice - S1 & S2

Component	Contact Hours
Lecture	22
Practical	11
Tutorial	11

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Application Evaluation	50	
Essay	AS2	Network Design Model	50	

Aims

To develop and extend students ability to critically analyse state-of-the-art developments in networking.

Learning Outcomes

After completing the module the student should be able to:

- 1 Evaluate a range of state of the art developments in networking.
- 2 Critically analyse state of the art research in networking.
- 3 Assess the impact of state of the art platforms on networking applications.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Report	1	
Report	2	3

Outline Syllabus

A range of state-of-the-art networking technologies will be studied, including:

Internet of Things

Software Defined Networking

Network Virtualization

Network Performance Measurement

Learning Activities

Students will attend lectures, supported by tutorials and lab sessions to develop their theoretical and practical knowledge through tasks and discussions.

Notes

This module will examine advanced topics in computer networking and use case studies to help students develop an understanding. These will be research-informed and may vary from year-to-year, i.e. to keep up with research developments.