LIVERPOOL JOHN MOORES UNIVERSITY

Computer Systems

Module Information

2022.01, Approved

Summary Information

Module Code	4201COMP
Formal Module Title	Computer Systems
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
Computer Science and Mathematics

Learning Methods

Learning Method Type	Hours
Lecture	22
Practical	22

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	To provide an understanding of the underlying computing platform (hardware, operating systems, network) upon which applications are developed and hosted.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Explain the fundamental principles underlying the operation of modern computer systems.
MLO2	2	Demonstrate a knowledge of the structure and organization of computer systems.
MLO3	3	Explain the role and the functions of an operating system.
MLO4	4	Explain the fundamental concepts involved in computer networking.

Module Content

Outline Syllabus	Data:Data representationFiles and filesystems Devices:Architecture MemoryInput/output devicesEmbedded systemsStorage and RAIDOS:Processes/threadsScheduling Concurrency/concurrency controlMemory management Command line and shell Networks:Infrastructure IP networksIP addressing Wireless networks
Module Overview	This module provides you with a basic knowledge in relation to the computing platform (hardware, operating systems, networks) upon which applications are developed and hosted. You will need this as support knowledge for subsequent modules at Level 5 and 6.
Additional Information	This module is intended to provide basic knowledge in relation to the computing platform (hardware, operating systems, networks), which students will need as support knowledge for subsequent modules at FHEQ 5 and 6.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Portfolio	Series of Tasks	50	0	MLO1, MLO2
Centralised Exam	Examination	50	2	MLO1, MLO3, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Syed Naqvi	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings