

Operating Systems Design

Module Information

2022.01, Approved

Summary Information

Module Code	5551NCCG
Formal Module Title	Operating Systems Design
Owning School	Computer Science and Mathematics
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
Nelson and Colne College Group

Learning Methods

Learning Method Type	Hours
Lecture	60

Module Offering(s)

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

SEP_NS-PAR	PAR	September (Non-standard start date)	12 Weeks
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Aims and Outcomes

Aims	This module introduces students to different operating systems such as Windows, UNIX and Linux. The topics covered are the tasks of operating systems such as controlling and allocating memory, prioritising system requests, controlling input and output devices, facilitating data networking and managing files, including security and protection
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Investigate different Operating Systems, their functions and user interfaces
MLO2	2	Explore the processes managed by an Operating System
MLO3	3	Analyse appropriate techniques and technologies used in distributed and concurrent systems.
MLO4	4	Analyse and evaluate the security features of different operating systems

Module Content

Outline Syllabus	The history and evolution of operating systems Operating Systems Management: memory management, job scheduling, process scheduling, concurrent processing, device management, file management, scripting. Evaluation of different Operating Systems' environments, including Distributed Operating Systems and Concurrent Operating Systems. Operating Systems administration
Module Overview	
Additional Information	

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Assignment	50	0	MLO1, MLO2
Exam	Written Exam	50	0	MLO3, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Bob Askwith	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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