Advanced Topics in Information Systems

Module Information

2022.01, Approved

Summary Information

Module Code	6111COMP
Formal Module Title	Advanced Topics in Information Systems
Owning School	Computer Science and Mathematics
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Computer Science and Mathematics

Learning Methods

Learning Method Type	Hours
Lecture	22
Practical	11
Tutorial	22

Module Offering(s)

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

Aims and Outcomes

Aims	To provide an understanding of the underlying technologies and concepts relating to advanced information systems.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Critically evaluate the technological options available for advanced information systems.
MLO2	2	Critically evaluate the arguments, assumptions and abstract concepts underlying advanced information systems.
MLO3	3	Identify a range of possible advanced information systems solutions for a given organisational problem.
MLO4	4	Apply appropriate methods and techniques to the design of an advanced information system

Module Content

Outline Syllabus	Decision support systemsDecision support applicationsDeveloping decision support systemsEvaluating decision support systemsData mining approachesModelling and analysisGeographical information systemsCollaborative systemsWeb analyticsKnowledge based systemsArtificial intelligence
Module Overview	
Additional Information	This module explores the theories and practical application of advanced information systems in organisations.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Information System Design	100	0	MLO1, MLO2, MLO3, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Mark Taylor	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings