

### Summary Information

Module Code	6511COMECA
Formal Module Title	Advanced 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
LJMU Partner Taught

### Partner Teaching Institution

Institution Name
Education Centre of Australia Pty Ltd

### Learning Methods

Learning Method Type	Hours
Online	44

### Module Offering(s)

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

### Aims and Outcomes

Aims	To provide an understanding of the underlying technologies and concepts relating to advanced information systems.
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**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 systems Decision support applications Developing decision support systems Evaluating decision support systems Data mining approaches Modelling and analysis Geographical information systems Collaborative systems Web analytics Knowledge based systems Artificial 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
Technology	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