

Liverpool John Moores University

Title: RESEARCH TOPICS IN COMPUTER SCIENCE
Status: Definitive
Code: **7064COMP** (120321)
Version Start Date: 01-08-2019
Owning School/Faculty: Computer Science
Teaching School/Faculty: Computer Science

Team	Leader
David England	Y

Academic Level: FHEQ7
Credit Value: 20
Total Delivered Hours: 36
Total Learning Hours: 200
Private Study: 164

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	6
Seminar	30

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Research paper	80	
Presentation	AS2	Presentation	20	

Aims

*To familiarise students with current research topics in Computer Science.
Develop an understanding of research approaches in Computer Science including ethics and codes of conduct.
Develop skills in Computer Science Research paper writing.*

Learning Outcomes

After completing the module the student should be able to:

- 1 Conduct research relating to Computer Science following ethical principles.
- 2 Display advanced knowledge of one or more issues within Computer Science.
- 3 Demonstrate expertise in applying knowledge to Computer Science problems.
- 4 Demonstrate skills in the communication of research findings.

Learning Outcomes of Assessments

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

Research paper	1	2	3
Presentation	4		

Outline Syllabus

Topics will include current research in Computer Science and may include but are not limited to:

*Web Science and Graph Theory
The Semantic Web
Data Mining
Machine Learning
Real-time systems
Autonomic Computing
Functional Programming and Category Theory*

Learning Activities

Lectures followed by student-led seminar sessions.

Notes

This course covers current research in Computer Science.