

## Liverpool John Moores University

Title: RESEARCH SKILLS  
Status: Definitive  
Code: **5600YCOM** (123253)  
Version Start Date: 01-08-2021

Owning School/Faculty: Computer Science and Mathematics  
Teaching School/Faculty: YPC International College (Kolej Antarabangsa YPC)

Team	Leader
Silvester Czanner	Y

**Academic Level:** FHEQ5      **Credit Value:** 10      **Total Delivered Hours:** 22  
**Total Learning Hours:** 100      **Private Study:** 78

### Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	11
Practical	11

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Project Proposal	100	

### Aims

*To prepare for undertaking a dissertation or research project*  
*To understand research methods appropriate for computing disciplines*  
*To develop a research proposal underpinning a dissertation or research project.*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Generate research questions
- 2 Critically evaluate existing research
- 3 Review relevant literature
- 4 Develop a research project proposal

## **Learning Outcomes of Assessments**

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

Project Proposal	1	2	3	4
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## **Outline Syllabus**

*Research principles and design*

*Research questions - hypothesis*

*Critiquing research*

*Research ethics*

*Literature: searching, reviewing and citation*

*Experimental methods: data collection, interpretation, quantitative and qualitative methods*

*Research planning: writing project proposals, project planning and management*

*Academic writing: reports, essays*

## **Learning Activities**

Theory will be introduced via lectures and practical knowledge will be acquired via tutorials, laboratory exercises and coursework.

## **Notes**

This module is intended to provide basic research skills for computing disciplines, which will support the project and other research undertaken in the final year of study.