

Liverpool John Moores University

Title: Research Methods
Status: Definitive
Code: **7000RSDL** (118761)
Version Start Date: 01-08-2016

Owning School/Faculty: Maritime and Mechanical Engineering
Teaching School/Faculty: Maritime and Mechanical Engineering

Team	Leader
Zaili Yang	Y

Academic Level: FHEQ7
Credit Value: 10
Total Delivered Hours: 16.5
Total Learning Hours: 100
Private Study: 83.5

Delivery Options

Course typically offered: Runs Twice - S1 & S2

Component	Contact Hours
Lecture	8
Online	.5
Tutorial	8

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	Essay		45	
Report	Proposal		50	
Reflection	test&ref		5	

Aims

To provide a theoretical background for conducting postgraduate project work

Learning Outcomes

After completing the module the student should be able to:

- 1 Communicate findings, in an accepted format.
- 2 Assess previous research completed in an area.
- 3 Critically appraise research data and assimilate, integrate and discuss in a logical way.
- 4 Demonstrate compliance with appropriate ethical standards related to any research undertaken.
- 5 Produce an appropriate project description and specification

Learning Outcomes of Assessments

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

Research critique	1	4	3
Project proposal	2	5	
Online test and reflection	4	3	

Outline Syllabus

Study skills review.

Introduction 'Why do research?'

Literature search methods.

Research methodologies including statistical techniques, questionnaires and interviewing.

Project analysis and design.

Ethics in research.

Project planning.

Time management. Gantt charts.

Learning Activities

A combination of slides and notes, exercises, discussions, interactive web activities and supported self study.

Notes

This module provides a valuable opportunity for graduates to acquire necessary skills and training to conduct research at post graduate level. This includes giving the student the opportunity to develop ideas for project and engage with potential supervisors. Assessment is by a combination of essay, technical report and online activities (e.g. tests, discussions, etc.).