Research Methodology

Module Information

2022.01, Approved

Summary Information

Module Code	8403ENGD
Formal Module Title	Research Methodology
Owning School	Engineering
Career	Postgraduate Taught
Credits	60
Academic level	FHEQ Level 8
Grading Schema	Pass/Not Pass

Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

Learning Methods

Learning Method Type	Hours
Workshop	28

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-CTY	CTY	January	28 Weeks

Aims and Outcomes

Aims	To critically appraise research methodology, design and methods for their appropriateness to the area of enquiry.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Critically appraise research philosophies for their appropriateness to the area of enquiry
MLO2	2	Critically appraise methodological choices for their appropriateness to the area of enquiry
MLO3	3	Critically appraise research strategies for their appropriateness to the area of enquiry
MLO4	4	Critically appraise methods for data collection for their appropriateness to the area of enquiry
MLO5	5	Critically appraise the ethical implications of the research

Module Content

Outline Syllabus	Students will engage with the principles, theory and practice of:Research philosophies, Research approaches, Research design, Research planning, Quantitative research, Qualitative research, Mixed methods research, Insider research, Research ethics, Data collection methods.
Module Overview	
Additional Information	This module is designed to equip students with the skills and confidence to develop and complete an extensive methodology section, that will eventually contribute to the final thesis submission.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Interim Methodology	100	0	MLO1, MLO2, MLO3, MLO4, MLO5

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Milad Armin	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings