LIVERPOOL JOHN MOORES UNIVERSITY

Research Skills

Module Information

2022.01, Approved

Summary Information

Module Code	7501ENRST
Formal Module Title	Research Skills
Owning School	Engineering
Career	Postgraduate Taught
Credits	10
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
Sri Lanka Technological Campus

Learning Methods

Learning Method Type	Hours
Lecture	16
Tutorial	6

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-PAR	PAR	January	12 Weeks

Aims and Outcomes

Aims	The aims of this module are to prepare the students to undertake their own research projects and to deliver the required skill set for successful completion of their investigations.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Critically analyse and reflect on the work of other practitioners/researchers
MLO2	2	Formulate a research plan, demonstrating an understanding of the effect of risks and uncertainties in the delivery of a complex project.
MLO3	3	Present comprehensive research results according to appropriate conventions

Module Content

Outline Syllabus	Introduction to search methods for literature.Styles and conventions associated with technical writing, presentations and speaking to technical audiences.Project planning activities and tools, time management, use of Gantt charts.Strategies for designing experiments and statistical considerations.Data handling, quantitative analysis of results and presentation of results to technical and managerial audiences.Management of project risk and health and safety considerations when conducting engineering tests and experiments.
Module Overview	
Additional Information	This module is important as it sets the groundwork for the completion of the MSc project. The module provides grounding in the skill required to formulate a project plan, design experiments, militate against uncertainties and deliver a comprehensive description of the results.United Nations Sustainable Development Goals:4. Quality Education9. Industry, Innovation and Infrastructure

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Portfolio	Portfolio of work	100	0	MLO1, MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Alan Bury	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings