



**Module Details**

<b>Title:</b>	Graduate Research Skills <b>APPROVED</b>
<b>Long Title:</b>	Graduate Research Skills

<b>Module Code:</b>	EDUC9064	<b>Duration:</b>	1 Semester
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<b>Credits:</b>	10
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<b>NFQ Level:</b>	Expert
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<b>Field of Study:</b>	Education Studies
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<b>Valid From:</b>	Semester 2 - 2021/22 ( January 2022 )
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<b>Module Delivered In</b>	no programmes
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<b>Module Coordinator:</b>	STEPHEN CASSIDY
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<b>Module Author:</b>	STEPHEN CASSIDY
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<b>Module Description:</b>	The module entails evaluation of the different stages of the research process, its philosophy and management including the formulation of the research question. Students create a personal development plan in consultation with their supervisor. Finally students develop a detailed research proposal
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**Learning Outcomes**

<i>On successful completion of this module the learner will be able to:</i>	
LO1	Develop a research question appropriate for a postgraduate research programme
LO2	Describe the research process and organising a research project
LO3	Critique a range of research methodologies applicable to the research question
LO4	Create a personal and professional development plan including a publication strategy for your work
LO5	Write a detailed research proposal in manner appropriate for a postgraduate research programme proposal

**Pre-requisite learning**

**Module Recommendations**  
*This is prior learning (or a practical skill) that is strongly recommended before enrolment in this module. You may enrol in this module if you have not acquired the recommended learning but you will have considerable difficulty in passing (i.e. achieving the learning outcomes of) the module. While the prior learning is expressed as named MTU module(s) it also allows for learning (in another module or modules) which is equivalent to the learning specified in the named module(s).*

No recommendations listed

**Incompatible Modules**  
*These are modules which have learning outcomes that are too similar to the learning outcomes of this module. You may not earn additional credit for the same learning and therefore you may not enrol in this module if you have successfully completed any modules in the incompatible list.*

No incompatible modules listed

**Co-requisite Modules**

No Co-requisite modules listed

**Requirements**  
*This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed. You may not enrol on this module if you have not acquired the learning specified in this section.*

No requirements listed

**Module Content & Assessment**

**Indicative Content**

**The Research Process; an overview**

The 8 step model of research: formulating a research problem, conceptualising research design, constructing an instrument for data collection, sample selection, planning your research schedule, use of action plans, milestones, deliverables and Gantt charts in research time management, writing scientifically, writing the research proposal, collecting the data, processing and analyzing data and writing the research report. Data ownership; the role of intellectual property, patents etc.

**The Research Path**

Development of a personal development plan in consultation with your graduate supervisory panel with a view to recognising learning achieved to date and planning modules and learning for future personal and professional development

**Research Methodologies**

Examination and review of the different types of research methodologies applicable to your research question from published literature and planning the types of research methodology you will incorporate in your studies

**Constructing a Research Report**

How to produce a successful report, writing scientifically, disseminating your research findings, researching the right journal/conference to present your work. Deciding on the appropriate form of writing i.e. an abstract, a short communication, a book chapter a full manuscript or a review. Interpreting the aims and scope of a journal.

**Research Support**

Literature searches using the library and internet, effective reference management, management of literature on a computer. Creation of a bibliography

**University Research Environment**

University supports available to support postgraduate research students: careers service, library, innovation and enterprise office, and counselling service

**Assessment Breakdown**

	%
Course Work	100.00%

**Course Work**

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Written Report	Develop a written report addressing the module learning outcomes. Discuss with peers for feedback and review	1,2,3,4,5	20.0	Week 7
Written Report	Develop a full research proposal addressing the learning outcomes of the module	1,2,3,4,5	80.0	Sem End

No End of Module Formal Examination

**Reassessment Requirement**

**Coursework Only**

*This module is reassessed solely on the basis of re-submitted coursework. There is no repeat written examination.*

**The institute reserves the right to alter the nature and timings of assessment**

**Module Workload**

<b>Workload: Full Time</b>				
<i>WorkLoad Type</i>	<i>WorkLoad Description</i>	<i>Hours</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Independent & Directed Learning (Non-contact)	Further reading and assignments	13.0	Every Week	13.00
Lecture	Seminar series	1.0	Every Week	1.00
Total Hours				14.00
Total Weekly Learner Workload				14.00
Total Weekly Contact Hours				1.00

<b>Workload: Part Time</b>				
<i>WorkLoad Type</i>	<i>WorkLoad Description</i>	<i>Hours</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	Seminar Series	1.0	Every Week	1.00
Independent & Directed Learning (Non-contact)	Assigned reading and assignments	13.0	Every Week	13.00
Total Hours				14.00
Total Weekly Learner Workload				14.00
Total Weekly Contact Hours				1.00

## Module Resources

### Recommended Book Resources

- Judith Bell and Stephen Waters 2018, *Doing your Research Project: A guide for first-time researchers*, 7th Ed., Open University Press [ISBN: 9780335243389]
- Ranjit Kumar 2019, *Research Methodology: A step-by-step guide for Beginners*, 5th Ed., SAGE Publications London [ISBN: 9781526449900]
- Catherine Dawson 2019, *Introduction to Research Methods: A practical guide for anyone undertaking a research project*, 5th Ed., Robinson [ISBN: 9781408711057]
- Joshua Schimel 2011, *Writing Science: How to Write Papers That Get Cited and Proposals That Get Funded*, 1st Ed., Oxford University Press [ISBN: 978-019976024]

### Supplementary Book Resources

- Larry A. Machi, Brenda T. McEvoy 2016, *The Literature Review: Six Steps to Success*, 3rd Ed., Corwin [ISBN: 978150633624]
- Wayne C. Booth 2008, *The Craft of Research (Guides to Writing, Editing, and Publishing)*, 3rd Ed. [ISBN: 978-0226065663]
- Gordon Rugg and Marion Petre 2020, *The Unwritten Rules of PhD Research*, 3rd Ed., Open University Press [ISBN: 9780335262120]
- Dora Farkas 2021, *The Smart Way to Your Ph.D.: Finish your dissertation 12 months sooner*, 2nd Ed., Finish Your Thesis Academy USA [ISBN: 9788524972576]
- Barbara Gastel and Robert A. Day 2022, *How to Write and Publish a Scientific Paper*, 9th Ed., Greenwood [ISBN: 9781440878848]

*This module does not have any article/paper resources*

### Other Resources

- Website: Academic council 2022, *Code of Good Practice in Research*  
[https://www.mtu.ie/contentFiles/policies/ac/Code\\_of\\_Good\\_Practice\\_in\\_Research.pdf](https://www.mtu.ie/contentFiles/policies/ac/Code_of_Good_Practice_in_Research.pdf)
- Website: Academic council 2022, *Human Research Ethics Policy*  
[https://www.mtu.ie/contentFiles/policies/ac/Human\\_Research\\_Ethics\\_Policy\\_AC\\_app\\_030622.pdf](https://www.mtu.ie/contentFiles/policies/ac/Human_Research_Ethics_Policy_AC_app_030622.pdf)
- Website: Academic council 2022, *Research Data Management Policy*  
[https://www.mtu.ie/contentFiles/policies/ac/Research\\_Data\\_Management\\_Policy.pdf](https://www.mtu.ie/contentFiles/policies/ac/Research_Data_Management_Policy.pdf)
- Website: Academic council 2022, *Regulations for Postgraduate Study*  
[https://www.mtu.ie/contentFiles/policies/ac/Regulations\\_for\\_Postgraduate\\_Research\\_Study\\_app\\_AC\\_030622.pdf](https://www.mtu.ie/contentFiles/policies/ac/Regulations_for_Postgraduate_Research_Study_app_AC_030622.pdf)
- Website: Academic council 2022, *Open Access Policy*  
[https://www.mtu.ie/contentFiles/policies/ac/Open\\_Access\\_Policy.pdf](https://www.mtu.ie/contentFiles/policies/ac/Open_Access_Policy.pdf)

