

Short Title:	Research Skills & Ethics APPROVED
Full Title:	Research Skills & Ethics
Module Code:	MACS H6021
ECTS credits:	10
NFQ Level:	9
Module Delivered in	2 programme(s)
Module Contributor:	Anthony Keane
Module Description:	Essential skills for engaging in research covering all stages of research from finding a research question to research methodologies, to writing dissertation and publishing.
Learning Outcomes:	
<i>On successful completion of this module the learner will be able to</i>	
<ol style="list-style-type: none"> 1. Expertly describe the different stages that make up a research project 2. Demonstrate how to write a research proposal 3. Critical review of data collection methods 4. Appraisal of research methodologies 5. Demonstrate the different types of dissemination for project reports and results. 6. Appraisal of ethical approaches in research 	

Module Content & Assessment

Indicative Content
<p>Research Degree Process Search for a research question, writing a research proposal, scheduling of workloads and delivery, feedback and progress reports, submission requirements, dissemination, examination.</p>
<p>Research Project Content Overview of research process, proposal, literature review, research questions, methodologies, data collection and analysis, interpretation of the research finding, summary and conclusions. Limitations of research.</p>
<p>Ethics of Research Ethical considerations underpinning research, research and trust, central ethical issues, how to conduct research, evidence collection, plagiarism, publications.</p>
<p>Research methods Importance, issues and scope, research question challenges, research strategy, theoretical vs empirical, qualitative vs quantitative, data collection methods, measurement, survey and review, Research tactics.</p>
<p>Dissemination of Results Writing reports, presentation posters and talks, dissertations, research papers for conferences and journals, web and social media, books.</p>

Indicative Assessment Breakdown	%
Course Work Assessment %	100.00%

Course Work Assessment %				
<i>Assessment Type</i>	<i>Assessment Description</i>	<i>Outcome addressed</i>	<i>% of total</i>	<i>Assessment Date</i>
Written Report	Project proposal and schedule for research project	1,2	15.00	Week 3
Written Report	Literature review and research hypothesis/research questions.	3,4	20.00	Week 6
Written Report	Writing of research paper and presentation of results.	2,5	50.00	Sem 1 End
In-class test	Ethics	6	15.00	Week 7

No Final Exam Assessment %

Indicative Reassessment Requirement
<p>Coursework Only This module is reassessed solely on the basis of re-submitted coursework. There is no repeat written examination.</p>

ITB reserves the right to alter the nature and timings of assessment

Indicative Module Workload & Resources

Indicative Workload: Full Time	
Frequency	Indicative Average Weekly Learner Workload
Every Week	30.00
Every Week	30.00
Every Week	140.00

Resources

Recommended Book Resources

Dan Remenyi and Arthur Money 2010, *Research Supervision for Supervisors and their Students*, 3rd Ed., Academic Publishing International [ISBN: 0-9547096-0-8]

John Biggam 2015, *Succeeding With Your Master's Dissertation: A Step-By-Step Handbook*, McGraw-Hill

Recommended Article/Paper Resources

Tim Albert, Elizabeth Wager 2013, *How to handle authorship disputes: a guide for new researchers*
http://publicationethics.org/files/2003pdf12_0.pdf

Other Resources

Website: *Data Protection Regulations*
<http://www.dataprotection.ie>

Website: *Research Ethics documentation*
http://www.ucd.ie/researchethics/resources/best_practice/

Website: *Committee on Publication Ethics (COPE)*
<http://publicationethics.org/resources/guidelines>

Module Delivered in

Programme Code	Programme	Semester	Delivery
BN_KMACS_R	Master of Science in Computing in Applied Cyber Security	2	Mandatory
BN_KMHLT_R	Master of Science in Computing in Multimodal Human Language Technology	2	Mandatory