

Module Code	ACFB7003
Title	Master's Project
Level	7
Credits	60

AIM(S)

- To allow the student to advance their knowledge and understanding by undertaking and managing a significant project of their own choice, related to the major themes of their Masters programme.

LEARNING OUTCOMES

Upon the successful completion of this module, the student should be able to:

- critically identify and develop an advanced research topic;
- review appropriate literature by contextualising and integrating the study into the continuing development of knowledge and understanding of chosen research topic;
- critically formulate a series of research objectives and devise strategies to support these;
- demonstrate and display advanced critical, analytical, and creative thinking;
- demonstrate advanced professional skills to present information both orally and in a written form.

INDICATIVE CONTENT

The Masters Project is an essential part of the degree; it is the culmination of the Masters programme. As such, it has been designed and conceived as an integral part of the programme. Preparation for the Masters Project begins early in the programme, and students acquire analytical and other research skills throughout part 1. This underpins and enhances the student's ability to undertake research.

- Formulation and rationale for suitable post-graduate research objectives.
- Application of an appropriate methodology for the investigation.
- Collation and communication - recording and organising information, analysis of results, communicating the results, referencing, plagiarism.
- Critical review of appropriate literature within a conceptual/theoretical framework.
- Determination of research results.
- Critical appraisal of the results/solutions of the investigation.
- Project planning - project time scale control.
- Oral/visual critique and presentation of the results of the investigation.
- Written and verbal critique of the research.

- Intellectual property - copyright, trademarks, patents.
- Social and cultural context, and ethical issues including sustainability.
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- Social and cultural context, and ethical issues.

ASSESSMENT

Assessment Component 1

(Tick one)

☐ Written exam ☒ Coursework ☐ Practical

Mode of assessment	Volume	Weighting
Masters Project Students will produce a research portfolio of work appropriate to the nature of their project. This will vary slightly according to the nature of the project undertaken. Portfolio elements may include a selection of the following, to be agreed with the external examiner: • Written Report (all students) • Exhibition Board (all students) • Presentation slides Hardware and/or software implementation	15,000 words equivalent.	80%

Assessment Component 2

(Tick one)

☐ Written exam ☐ Coursework ☒ Practical

Mode of assessment	Volume	Weighting
Presentation (Viva Voce)	20 Minutes + Questions	20%

Assessment Summary

Activity type	Percentage
Written exam	0%
Coursework	80%
Practical	20%
TOTAL	100%

INDICATIVE READING LIST

Module Code	ACFB7003	
Module Title	Master's Project	
Classification	Reading List entry	Electronic*
Essential	McCormac, C. and Davis, J. (2015) Research Project Success: The Essential Guide for Science and Engineering Students, Cambridge: Royal Society of Chemistry.	☒
Essential	Greenfield, T. (2016) Research Methods for Postgraduates, London: Arnold.	☒
Essential	Cottrell, S. (2023) Critical Thinking Skills: Effective Analysis, Argument and Reflection - Palgrave Study Guides, 4th Edition, London: Palgrave Macmillan.	☒
Essential	Cottrell, S. Dissertations and Project Reports: A Step by Step Guide (Palgrave Study Skills, 2014).	☒
Essential	O'Leary, Z. (2021) The Essential Guide to Doing Your Research Project, (4th Edition) Newcastle upon Tyne: Sage.	☒
Further	Bell, J (2018) Doing your Research Project: A guide for first-time researchers (7th Edition) Amacom.	☐
Further	Kranzler, J. H. (2022) Statistics for the Terrified, (7th Edition) Upper Saddle River: Prentice Hall.	☒
Further	Dawson, C. W. (2015) Projects in Computing and Information Systems: A Student's Guide, 3rd Edition, Boston: Addison-Wesley.	☒
Further	Dipankar, D. (2019) Engineering Research Methodology: A Practical Insight for Researchers. Springer.	☐
Further	Tang, H (2020) Engineering Research: Design, Methods, and Publication, Wiley.	☒
Further	Fellows, R. and Liu, A. (2015) Research Methods for Construction (4th Edition) Wiley & Sons, Inc.	☐
Further	Few, S. (2012) Show Me the Numbers, Burlingame: Analytics Press.	☒
Further	Hughes, B. and Cotterell, M. (2009) 5th Software Project Management, New York: McGraw-Hill.	☐
Further	Phillips, J. (2010) IT Project Management: On Track from Start to Finish, New York: McGraw-Hill.	☐
Further	Gregoire, T.G. & Valentine, H.T. (2008) Sampling strategies for natural resources and the environment. Chapman, London.	☐
Further	Baase, S. (2017) A Gift of Fire: Social, Legal, and Ethical Issues for Computing and the Internet: International Edition, 5 th Edition, Boston: Pearson.	☐
Further	Collis, J. and Hussey, R. (2021) Business Research: A Practical Guide for Undergraduate and Postgraduate Students, 5 th Edition, London: Palgrave Macmillan.	☐
Further	Davies, M. B. (2014) Doing a Successful Research Project: Using Qualitative or Quantitative Methods, (2nd Edition) London: Palgrave Macmillan.	☐

Further	Hewson, C. , Vogel, C. & Laurent, D. (2016) Internet research methods. (2nd Edition) Sage: London.	☐
Further	Few, S. (2012) Show Me the Numbers: Designing Tables and Graphs to Enlighten, Burlingame: Analytics Press.	☐
Further	Quinn, M. J. (2017) Ethics for the Information Age: International Edition -7th Edition, Boston: Pearson.	☐
Further	Yin, R. K. (2014) Case Study Research: Design and Methods, 5th Edition, Newcastle upon Tyne: Sage.	☐
Further	Spence, R. (2014) Information Visualization: An Introduction, Boston: Addison-Wesley.	☐
Further	Thiel, D.V. (2014) Research methods for engineers. Cambridge UP.	☒
Further	Wheater, C.P. & Cook, P.A. (2015) Using statistics to understand the environment Routledge.	☐
Further	Wallace, M & Wray, A (2021) Critical reading and writing for postgraduates (4th Edition) Sage.	☐
Further	Journals ACM Transactions on Information Systems Behaviour and Information Technology Communications on the ACM International Journal of Electronic Commerce Journal of Strategic Information Systems Journal of Systems Management	☒
Further	ebsites http://www.acm.org http://www.bized.co.uk http://www.managers.org.uk http://www.cbronline.com http://www.eevl.ac.uk http://juno.emeraldinsight.com http://www.ft.chadwyck.co.uk http://www.itwales.com http://www3.gartner.com http://www.silicon.com http://www.mckinseyquarterly.com http://www.zdnetweek.co.uk http://projectmanagement.ittoolbox.com/ http://www.ics.ltsn.ac.uk/resources/projman/index.html http://www.niwotridge.com/Resources/PMSWEResources/PMResources.htm http://www.tickit.org/international.htm http://www.bcs.org/ http://www.uml.org/ http://www.omg.org/	☒