H8DAPROJ: Project

Module Code:	H8DAPROJ
Long Title	Project APPROVED
Title	Project
Module Level:	LEVEL 8
EQF Level:	6
EHEA Level:	First Cycle
Credits:	10
Module Coordinator:	Sophie Flanagan
Module Author:	Enda Stafford
Departments:	School of Computing
Specifications of the qualifications and experience required of staff	This module requires a lecturer holding at a minimum MSc in a computer science or cognate discipline.

Learning Outcomes	
On successful completion of this module the learner will be able to:	
#	**Learning Outcome Description**
LO1	Specify, design, implement and test a small to medium scale analysis of a publicly/privately acquired large data set
LO2	Explain and justify the use and application of state of the art analytics tools in a data analysis scenario
LO3	Employ appropriate research methods to guide the analysis of data in order to identify specific approaches that meets stakeholder requirements
LO4	Assess the ethical and social impact of information systems to comply with international ethics standards
LO5	Carry out project planning, scheduling and risk management activities in order to meet strict project deadlines and perform time management activities to a high project management standard
LO6	Document and communicate the workings of the project, justifying the approach taken and emphasizing how the final results meet the initial research question, to a professional academic standard, using modern communications techniques

Dependencies
Module Recommendations
No recommendations listed
Co-requisite Modules
No Co-requisite modules listed

Entry requirements	

H8DAPROJ: Project

Module Content & Assessment

Indicative Content

Preparing Project Proposal
Prepare students for writing up their project proposal in a structured format. Discussing valid data sources, dealing with suggested project content and giving feedback on proposed scope of project.

Project Management
Discussing with the students good project management hygiene, including planning, scheduling, tracking and issue/risk management.

Project Proposal Feedback
Discussion on the proposals, highlighting general pitfalls, and dealing with potential issues on project scope, expanding on small projects, prioritizing requirements for larger projects.

Preparing Hypotheses and Abstracts
General seminar on proposing hypotheses/questions around the project domain and working on sample abstracts, in preparation for writing the final dissertation.

Literature Review preparation
Seminar on preparing the ground for performing a Literature review, creating a framework for students to follow.

Academic Referencing and writing
Guest seminar on the Do's and Don'ts of performing a Literature Review, with useful guidelines on search criteria, and prevention of copy/paste problems.

Writing a project Report
Prepare students for writing up the project formally in the dissertation, using tried and tested framework.

Alternative writing approach
Prepare students further for writing up the project formally, using a structured scientific approach.

Marking rubric in detail
Discussion aiming to re-focus students on the grading rubric, in order to ensure all aspects of the project are included, and highlighting areas of importance.

Presentation preparation
Preparing the students for presenting their work in a formal situation, again focusing on the do's and don'ts in order to maximize their impact.

Assessment Breakdown	%
Coursework	100.00%

Assessments

Full Time

Coursework

Assessment Type:	CA 1	**% of total:**	15
Assessment Date:	n/a	**Outcome addressed:**	1,2,4,5
Non-Marked:	No		

Assessment Description:
Prepare the proposal for the project.

Assessment Type:	CA 2	**% of total:**	75
Assessment Date:	n/a	**Outcome addressed:**	1,2,3,4,5,6
Non-Marked:	No		

Assessment Description:
Assessment of the final project dissertation, written up in formal, academic and professional style.

Assessment Type:	CA 3	**% of total:**	10
Assessment Date:	n/a	**Outcome addressed:**	2,3,6
Non-Marked:	No		

Assessment Description:
Presentation of results in front of a panel of Data Analysts.

No End of Module Assessment

No Workplace Assessment

Reassessment Requirement

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

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

H8DAPROJ: Project

Module Workload				
Module Target Workload Hours 0 Hours				
Workload: Full Time				
Workload Type	*Workload Description*	*Hours*	*Frequency*	*Average Weekly Learner Workload*
Seminars	Lectures/Seminars/Discussions	12	Per Semester	1.00
Lecturer-Supervised Learning (Contact)	Individual Discussions on project progress, issues, risks. Highlighting areas to increase scope or reduce scope as necessary.	24	Per Semester	2.00
Independent Learning	Students work on own project, sourcing data set(s), preparing and cleaning the data, analyzing and finally evaluating the applied techniques.	214	Every Week	214.00
Total Weekly Contact Hours				3.00

Module Resources

Recommended Book Resources

Derek Swetnam. (2000), Writing Your Dissertation, How To Books Ltd, p.132, [ISBN: 9781857036626].

John W. Creswell,J. David Creswell. (2018), Research Design, [ISBN: 1506386768].

Justin Zobel. (2015), Writing for Computer Science, Springer, p.284, [ISBN: 1447166388].

Supplementary Book Resources

David Evans,Paul Gruba,Justin Zobel. (2014), How to Write a Better Thesis, Springer, p.167, [ISBN: 3319042858].

Gary Thomas. How to Do Your Research Project, [ISBN: 1473948878].

Diana Ridley. (2012), The Literature Review, SAGE Publications, p.214, [ISBN: 9781446201435].

This module does not have any article/paper resources

This module does not have any other resources

Discussion Note: