H7ACI: Academic Internship

Module Code:	H7ACI
Long Title	Academic Internship APPROVED
Title	Academic Internship
Module Level:	LEVEL 7
EQF Level:	6
EHEA Level:	First Cycle
Credits:	30
Module Coordinator:	
Module Author:	CRISTINA HAVA MUNTEAN
Departments:	School of Computing
Specifications of the qualifications and experience required of staff	Degree in computer science or cognate discipline. May have industry experience also.

Learning Outcomes

On successful completion of this module the learner will be able to:

#	Learning Outcome Description
LO1	Investigate, design, and undertake a significant project related to the area of study.
LO2	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.
LO3	Adhere to ethics and governance protocols with respect to all project work.
LO4	Articulate insights and complex information in language that is accessible to a non-technical audience.
LO5	Outline and defend project output through a presentation, report and artefact/product/data analysis demonstration where suitable.
LO6	Reflect on, analyse and document the learning experience resulting from project activities.

Dependencies

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

Entry requirements	Learners should have attained the knowledge, skills and competence gained from stage 2 of the BSc (Hons) in Data Science

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Module Content & Assessment

Indicative Content

Project specification 1
A practical development project is undertaken which shows students how Business and IT managers approach some of today's most widespread technology issues and challenges. . While faculty members may suggest topics, the project specification is decided by the student in consultation with the lecturer.

Project specification 2
Different technology/software solutions discussed and explored

Project Management
Time, Scope and Project Management.

Essentials of Business Writing skills
The principles and processes of professional report writing.. Presenting technical data to a non-technical audience.

Academic Writing and Referencing
This seminar will give an overview on academic writing, how to reference correctly

Speaking so that people will listen(Public speaking for amateurs)
Identify and understand the appropriate techniques for delivery of a 'message' to an off-site audience; the techniques required to deliver to 'face to face' audiences.

Midpoint Presentation
Student to demonstrate what they have done in their project to date

Testing and debugging
Introduction to Testing (System test, Integration and unit) Usability and Design. Troubleshooting and debugging of errors

Technical Report
What is required, sample structure

Project Development 1
Time allocated for project development

Project Development 2
Time allocated for project development

Showcase of Final Project
Student to demonstrate final project

Assessment Breakdown	%
Coursework	100.00%

Assessments

Full Time

Coursework

Assessment Type:	Continuous Assessment	**% of total:**	Non-Marked
Assessment Date:	n/a	**Outcome addressed:**	1,2,3,4,5,6
Non-Marked:	Yes		

Assessment Description:
Ongoing independent and group problem solving activities and feedback.

Assessment Type:	Project	**% of total:**	100
Assessment Date:	n/a	**Outcome addressed:**	1,2,3,4,5,6
Non-Marked:	No		

Assessment Description:
Learners will implement a project, report and showcase their project in means of a presentation

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
Learners who fail the Academic Internship module will be required to do a repeat project where all learning outcomes will be examined.

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Module Workload				
Module Target Workload Hours 0 Hours				
Workload: Full Time				
Workload Type	*Workload Description*	*Hours*	*Frequency*	*Average Weekly Learner Workload*
Lecture	Academic Internship runs for a 6 month period (168 hours / 26 weeks = 6.46 hours per week	6.5	Every Week	6.50
Tutorial	Academic Internship runs for a 6 month period (168 hours / 26 weeks = 12.92 hours per week	13	Every Week	13.00
Independent Learning	Academic Internship runs for a 6 month period (246 hours / 26 weeks = 9.46 hours per week	9.5	Every Week	9.50
			Total Weekly Contact Hours	19.50

Module Resources

Recommended Book Resources

> **Bovée, C. L. & Thill, J.. (2014), Business Communication Essentials: A Skills-Based Approach, Pearson, Harlow.**

> **Osterwalder, A. & Pigneur, Y.. (2010), , Business Model Generation: A Handbook for Visionaries, Game Changers, and Challengers,, John Wiley and Sons.**

This module does not have any article/paper resources

Other Resources

> **[Website], Website: Communicating data science: A guide to presenting your work,**
> **http://blog.kaggle.com/2016/06/29/commun icating-data-science-a-guide-to-presenti ng-your-work/**

Discussion Note: