

H7ACI: Academic Internship

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| 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 | |
| <i>On successful completion of this module the learner will be able to:</i> | |
| # | 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 | | | |
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| 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 <i>This module is reassessed solely on the basis of re-submitted coursework. There is no repeat written examination.</i> | | | |
| 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 | | | | |
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| 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 | |
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| <i>Recommended Book Resources</i> | |
| <p>Bové, C. L. & Thill, J.. (2014), Business Communication Essentials: A Skills-Based Approach, Pearson, Harlow.</p> <p>Osterwalder, A. & Pigneur, Y.. (2010), , Business Model Generation: A Handbook for Visionaries, Game Changers, and Challengers,, John Wiley and Sons.</p> | |
| <i>This module does not have any article/paper resources</i> | |
| <i>Other Resources</i> | |
| <p>[Website], Website: Communicating data science: A guide to presenting your work, http://blog.kaggle.com/2016/06/29/communicating-data-science-a-guide-to-presenting-your-work/</p> | |
| Discussion Note: | |