

AMITY GLOBAL INSTITUTE

MODULE SYLLABUS

Course	Master of Science Data Science Awarded by Teesside University
Module Title	Computing Masters Project
Module Syllabus No. (if any)	CIS4055-N
Content	This module provides students with the opportunity to undertake a major, in-depth, individual study in an aspect of computing, IT, computer science or digital technology. Normally the Master's project will be drawn from commercial, industrial or research-based problem areas. The project involves the student in researching and investigating aspects of their specific computing discipline and then producing a major deliverable (e.g., software package or tool, design, prototype, website, model, research findings, results of an experiment, datasets etc.). The student also carries out a critical evaluation of their major deliverable, including obtaining third party evaluation where appropriate.
No. of Teaching Hours	18 hrs, 582 learning hours
Teaching Methods	Lectures, workshop
Assessment Methods and Weightages	Assessment is through an ICA worth 100% of the module marks. The major deliverable(s) will be presented via a product/artefact demonstration. The project process, research and evaluation will be reported via a technical report or paper.
Skills for Maximising Learning Outcomes	Reading and Research
Dates of Examinations, Major Assessments and Assignments	See University Academic Calendar
Recommended Text	Cite Them Right 9781352005134 Pears, Richard; Shields, Graham 2019 - 11st ed. 2019
Additional Reference Texts (if any)	Researching information systems and computing 9781412902243, 9781412902236 Oates, Briony J. 2005
Additional Remarks (if any)	

No.	Learning Outcomes/Aims
1	Use personal reflection to analyse self and own actions, allowing for adaptation and Change. Identify, evaluate, and maintain capabilities and qualities to support effective communication in a range of complex and specialised contexts in the area of computing related to specific field of study.
2	Demonstrate a sophisticated understanding and ability in a range of digital environments in order to produce a deliverable in the specialised computing area related to the specific field of study with evidence of some originality. Use judgement to make evidence-based decisions within a specialised computing area related to the specific field of study context.
3	Defend the rationale and decisions made in the design and development of the artefact/product. Demonstrate a deep understanding of an area of individual interest relating to a specialised computing area specific to the field of study (including critical awareness of current problems) and use abstract ideas in order to articulate new approaches.
4	Design an approach that addresses significant areas of research or practice in the specialised computing area related to the specific field of study. Select appropriate methodological approaches in the specialised computing area related to the specific field of study domain and critically evaluate their effectiveness

Note: All Information provided to Amity will be kept strictly confidential except for those required under statutory requirements and by government authorities and relevant university partners and accreditation bodies as part of the regulatory or course requirements.

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5	Demonstrate the ability to search, analyse, synthesise and evaluate information from appropriate sources to make reasoned decisions and choices based upon incomplete or contradictory evidence/data and be able to argue for alternative approaches where appropriate.
6	Formulate hypotheses or research questions to design a piece of research. Interpret the results of data analysis and theory to present a robust argument to defend the hypotheses/research questions.
7	Employ effective communication and presentation techniques to convey the complexity of content. Demonstrate the ability to work autonomously to plan, manage and evaluate a major project including commercial risk as appropriate.
8	Incorporate ethical practices, and manage ethical dilemmas/associated legal, social, security and professional issues.

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