

AMITY GLOBAL INSTITUTE

MODULE SYLLABUS

Course	BACHELOR OF SCIENCE (HONOURS) COMPUTING (UNIVERSITY OF NORTHAMPTON)
Module Title	Computing Dissertation
Module Syllabus No. (if any)	CSY4010
Year Offered	2018
Start-Date	February 2018 / September 2018
End-Date	January 2019/ August 2019
Syllabus / Content / Learning Outcomes	<p>On successful completion of the module students will be able to:</p> <p>Knowledge and Understanding</p> <ol style="list-style-type: none"> a) Manage the design, development and implementation of a complex system, which includes elements of investigative research. b) Apply appropriate research and problem solving methodology when undertaking individual project work. c) Complete a self-managed project within an agreed time scale that demonstrates the ability to deploy accurately established techniques of analysis and enquiry within a discipline, ultimately meeting the functional requirements of the end user. <p>Subject specific skills</p> <p>On successful completion of the module students will have demonstrated their ability to:</p> <ol style="list-style-type: none"> d) Write a clear and high level report documenting the project that identifies a range of solutions to a given problem. e) Evaluate and appraise the relationship between ethical, social, economic and political issues relating to computer communications related products and services. <p>Key Skills</p> <p>On successful completion of the module students will have had the opportunity to:</p> <ol style="list-style-type: none"> f) Make use of scholarly reviews and primary sources (for example, refereed research articles and/or original materials appropriate to the discipline) and reference them appropriately. g) Manage a project under their own initiative, taking personal responsibility, involving decision-making in complex and unpredictable contexts h) Review career-planning procedures and demonstrate the ability to undertake appropriate further training undertake appropriate further training of a professional or equivalent nature. i) Effectively communicate information, ideas, problems and solutions to both specialist and non-specialist audiences through written and oral presentation skills.
No. of Teaching Hours	24 x 1 hr lectures = 24 24 x 1 hr practical classes / seminars = 24 Project Report Presentations and preparation of presentations = 358 TOTAL = 400
Teaching Methods	Lectures, tutorials, case-studies analysis, research journals and group discussion.
Assessment Methods and Weightages	AS1-Project Proposal– 5% AS2-Project Development Progress – 20% DI-Project Report, progress log and viva voce examination -75%

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Skills for Maximising Learning Outcomes	Reading and research
Dates of Examinations, Major Assessments and Assignments	Please refer NILE at: https://nile.northampton.ac.uk
Recommended Text	
Additional Reference Texts (if any)	
Additional Remarks (if any)	

Learning Outcome
<p>ASSESSMENT CRITERIA*:</p> <p>Assessment for the project will be based on:</p> <p>AS1) An appropriate project proposal submitted by the student within five weeks of the beginning of the academic year. This will consist of a clear definition of the specific objectives of the project and a proposed programme of work to meet these objectives.</p> <p>AS2) An interim report and presentation of a project progress to date showing work carried out. Students should also include a clear description of how the work will continue to completion, as well as describing the resources required. It is essential that at this stage, the possible impact of the project on the wider world, particularly in relation to legal, ethical, social, economic and political issues are also reinforced.</p> <p>This document will, normally, be submitted before the second term begins as specified in the course assignment schedule.</p> <p>DI) A dissertation or major project report containing details of the methodology, results and conclusion including explanations of all hardware and software used, circuit and system diagrams, program listings, justifications of all decisions made etc.</p> <p>The dissertation/report is expected to contain a maximum of 12000 words, excluding appendices. The following criteria are used in the assessment of project reports:</p> <p>Style</p> <ul style="list-style-type: none"> • Is the report easy to read and are the arguments presented in a logical fashion? • Is the report well presented in terms of the layout and use of graphics etc? <p>Relevance</p> <ul style="list-style-type: none"> • Is the information presented relevant to the project? • Are the issues correctly identified and addressed (including legal, ethical, social, economic and political issues)? <p>Research</p> <ul style="list-style-type: none"> • Are the methods of research clearly identified and are they appropriate? • Is there a clear explanation of all the technical terms used in the report? <p>Discussion</p> <ul style="list-style-type: none"> • Is the discussion relevant to the research topic? • Are practical applications of the work discussed? <p>Discussion between the students and the supervisor(s) and other staff involved in project co-ordination will be scheduled throughout the year. Students are required to keep regular contact with their supervisor in order that the supervisor may provide both general and specific guidance. After the dissertation/project-report has been submitted the student will be required to attend a short, informal viva voce examination. It will give an opportunity for the student to make a presentation summarising their work, and to demonstrate their system (e.g. software or hardware) developed. The viva voce examination, attended by at least two or three project assessors, will enable specific professional, technical or project management questions relating to the project to be answered.</p> <p>These general assessment criteria may include any of the following criteria felt appropriate to the supervisory/assessment team:</p>

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- Level of conceptual understanding
- Degree of student initiative
- Standard of design / construction work
- Standard of experimental / development work
- Use of appropriate research methods
- Appropriate use of relevant literature
- How issues underlying good professional practice have been addressed
- Standard of analytical work
- Originality of work
- Appropriate level of help sought

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