DEREE COLLEGE SYLLABUS FOR:	
ITC 4879 ICT Capstone Project (Updated Fall 2023)	**3/0/3** **UK LEVEL: 6** **UK CREDITS: 15**

PREREQUISITES:	ITC 2088 Introduction to Programming ITC 2197 Object Oriented Systems & Techniques ITC 2205 Software Engineering Practices ITC 3006 Mathematics for Computing ITC 3051 User Experience and Interaction Design ITC 3160 Fundamentals in RDBMS ITC 4040 Methods in ICT Project Research & Management MA 2010 Statistics I *or* MA 2021 Applied Statistics for Business *or* MA 2025 Applied Statistics for Science *Students must be in their senior year of studies.*
COREQUISITES:	None.
CATALOG DESCRIPTION:	Work on an ICT solution or component, in the context of user experience, intelligent systems, games, or professional sw solution on an approved topic, with minimum supervision.
RATIONALE:	The module is the capstone for the students in the Information Technology program, and the 2nd part of their final year experience. Students will gain the experience of working on a realistic project and combine academic with professional practices, including domain-specific research, gradual progression, revisiting and evaluation. Students are expected to work on the topic they have acquired approval for in ITC 4140 – Methods in ICT Project Research and Management.
LEARNING OUTCOMES:	As a result of taking this course, the student should be able to: 1. Evaluate methodologies, standards, tools and frameworks in the context of user experience, intelligent systems, games, or professional sw development. 2. Analyse the requirements of a complex system. 3. Design, develop, test and deploy ICT system elements and solutions. 4. Develop structured documentation to support a solution. 5. Apply effective project management to plan their project and meet deadlines.
METHOD OF TEACHING AND LEARNING:	In congruence with the teaching and learning strategy of the college, the following tools are used: • Progress meetings for discussion and formative feedback on milestone submissions. • Office hours held by the instructor to provide further assistance to students. • Use of the online content management system (Blackboard CMS) to further facilitate communication.

ASSESSMENT:	**Summative:**	
	1st assessment; Project defence and presentation structured presentation of the capstone work // evidence of the applied knowledge and skill // evidence of achievement of the intended learning outcomes	**10%**
	Final assessment: Project Research project, independent or part of an R&D program	**90%**
	Formative:	
	Milestone submissions	**0%**
	The formative assessments aim to prepare students for the summative assessment. The 1st assessment tests LOs 1-5. The final summative assessment tests the LOs 1-4. *Students are required to resit failed assessments in this module.*	
INDICATIVE READING:	**REQUIRED READING:** 1. A list of selected articles from journals of high impact factor in the field. 2. David V. Thiel, *Research Methods for Engineers*, Cambridge University Press, 1st edition, 2014, ISBN-13: 978-1107610194 3. Supervisor's guidelines and supporting materials. **RECOMMENDED READING:** *Recommended readings list available through Blackboard, based on topic.*	
INDICATIVE MATERIAL: *(e.g. audiovisual, digital material, etc.)*	**REQUIRED MATERIAL**: N/A **RECOMMENDED MATERIAL**: N/A	
COMMUNICATION REQUIREMENTS:	Daily access to the course's site on the College's Blackboard CMS and the acg email. Effective communication using proper written and oral English. Use of word processing and/or presentations software for documentation and presentation of deliverables and the final project.	
SOFTWARE REQUIREMENTS:	MS Office Adobe CC Suite. All software used in the context of the modules of your study.	
WWW RESOURCES:	Available through Blackboard based on topic.	
INDICATIVE CONTENT:	N/A	