Course descriptor F21AD

Course code	**F21AD**
Course title	Advanced Interaction Design
Credits	15
School	Mathematical and Computer Sciences
SCQF Level	11
Semester	2
Aims	This course aims to give students the opportunity to develop: • An extensive, detailed and critical knowledge of requirements gathering, design and evaluation techniques in interaction design • An awareness of current research and emerging issues in the field of interaction design • A range of specialised skills, and research methods involved in working with users
Syllabus	• Current and emerging topics in Interaction Design including: user demographics, patterns in technology adoption, interaction design lifecycles, user interface design patterns, prototyping methods, a wide range of qualitative and quantitative data gathering and analysis techniques, accessibility, and a range of research case studies covering cutting edge issues in the field.

Learning Outcomes	
Subject Mastery	Students will develop skills in the following areas: • Review, critically analyse, evaluate, and synthesise previous research projects in the field of interaction design • Identify and propose innovative solutions in response to analysis of users' requirements. • Make informed judgements about appropriate methodologies for developing and evaluating technologies suitable for user demographics and background experience.
Personal Abilities	Students will develop skills in the following areas: • Use discipline appropriate software for data analysis, prototyping and learning. • Present, analyse and interpret numerical and graphical data gathered as part of evaluation studies. • Communicate effectively to knowledgeable audiences by preparing formal and informal presentations and written reports.

	• Exercise autonomy and initiative by planning and managing their own work; develop strategies for independently solving problems and taking the initiative. • Take responsibility for their own and other's work by contributing effectively and conscientiously to the work of a group, actively maintaining good working relationships with group members, and leading the direction of the group where appropriate. • Reflect on roles and responsibilities by critically reflecting on their own and others' roles and responsibilities. • Deal with complex professional and ethical issues including working with human subjects and wider issues relating to technology in society

Assessment method	50% written examination, 50% course work