F21AD Advanced Interaction Design

COURSE DETAILS
Course Code: F21AD
Full Course Title: Advanced Interaction Design
SCQF Level: 11
SCAF Credits: 15
Available as Elective: No

DELIVERY LEVEL
Undergraduate: Yes
Postgraduate Taught: Yes
Postgraduate Research: Yes

Additional Information:

COURSE AIMS
The 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.

LEARNING OUTCOMES – SUBJECT MASTERY
Students will develop skills in the following areas:

- Review, critically analyse, evaluate, and synthesise of 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.

LEARNING OUTCOMES – 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.
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.

COURSE RELATIONSHIPS

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<th>School</th>
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<td>8</td>
<td>Interaction Design</td>
<td>School of Math and Comp Sci.</td>
<td>Pre-Requisite</td>
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LOCATION AND ASSESSMENT METHODS

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