



## UXD: User-Centred Design (IS40610)

### School: Info and Communication Studies

Level: 4

Credits: 5

Pass Mark: 40

Semester: One

Module Coordinator: Dr Benjamin Cowan

### Description

#### Module Description

Technology is now ubiquitously used in our everyday life. We have countless interactions with interfaces and information systems across our day be it with social media, mobile apps, as well as more traditional desktop oriented interactions. This course will explore the discipline of human-computer interaction (HCI), a discipline which focuses on the design of user-centred technology interactions and the effect that design and technology interaction has on people's behaviours, perceptions and emotions. The course will teach students 1) how to design and evaluate technology interactions to ensure truly user centred design as well as 2) more theoretical insights on how interface design affects user behaviours, emotions and performance. Students will be asked to create their own design solution for a specific information system use case as well as deeply explore cutting edge research in an area of academic research in HCI. Students will be asked to think creatively, work together on a practical design led project as well as study in depth what it means to place the human at the centre of technology design. Registration to this module is open to MSc students.

### Learning Outcomes

On successful completion of the module students should be able to:

- 1) Choose appropriate design techniques and apply them to a real world design issue
- 2) Discuss considerations needed for specific modalities and design techniques in HCI
- 3) Understand, justify and utilise evaluation methods available to HCI professionals and researchers
- 4) Communicate issues relating to key areas in HCI and user centred design both written and verbally

### Associated Programmes

N/A

### Workload

Lectures	24 hrs
Specified Learning Activities	24 hrs
Autonomous Student Learning	71 hrs
<b>Total Hours</b>	<b>119 hrs</b>

### Assessment Strategies

Description	Timing	%Final Grade
Design Assignment	Week9	70
Written assignment: Blogpost on area of HCI	Week11	20
presentation of outcomes of design assignment	Week12	10