1. **Title of the module**

EENG8800 (EL880) - HCI for Mobiles

1. **School or partner institution which will be responsible for management of the module**

Engineering and Digital Arts

1. **The level of the module (Level 4, Level 5, Level 6 or Level 7)**

Level 7

1. **The number of credits and the ECTS value which the module represents**

15 credits (7.5 ECTS)

1. **Which term(s) the module is to be taught in (or other teaching pattern)**

Autumn

1. **Prerequisite and co-requisite modules**

None

1. **The programmes of study to which the module contributes**

MSc Mobile Application Design

1. **The intended subject specific learning outcomes.
On successfully completing the module students will be able to:**
2. Critically evaluate current and future trends of interaction design and interface technologies in a mobile context.
3. Understand the differences between interaction design for desktop and mobile platforms, as well as the importance of usability for mobile applications.
4. Carry out user research using appropriate techniques for various mobile platforms and derive useful design implications from the findings.
5. Conduct effective usability evaluation using both user-based and expert-based evaluation techniques.
6. Take into consideration various issues such as accessibility, sociability when designing mobile applications.

These outcomes are related to the programme learning outcomes in the appropriate curriculum

maps as follows: A1, A2, A6, B1 - B3, B5, B6, C2 - C6.

1. **The intended generic learning outcomes.
On successfully completing the module students will be able to:**

Have further enhanced their computing, design, evaluation, time-management and communication skills.

These outcomes are related to the learning outcomes in the appropriate curriculum maps as follows: D1-D7.

1. **A synopsis of the curriculum**

This MSc module is concerned with designing mobile applications taking into account usability, accessibility and sociability. Students will evaluate current and future trends of interaction design and interface technologies in a mobile context. The module also encourages students to analyse critically human activities in order to identify innovative design solutions. Topics include activity modelling, economic theories for HCI, [Internet of things](https://moodle.kent.ac.uk/2017/mod/resource/view.php?id=93693), graphic design, universal design, etc.

1. **Reading list (Indicative list, current at time of publication. Reading lists will be published annually)**

Recommended Reading:

* Weiss, S (2002) Handheld Usability, John Wiley & Sons, ISBN: 0470844469

Background Reading:

* Ballard, B (2007) Designing the Mobile User Experience, WileyBlackwell, ISBN: 0470033614
1. **Learning and teaching methods**

Total contact hours: 30

Private study hours: 120

Total study hours: 150

1. **Assessment methods**
	1. Main assessment methods

Essay (20%)

Essay (80%)

13.2 Reassessment methods

Reassessment Instrument: 100% coursework

1. **Map of module learning outcomes (sections 8 & 9) to learning and teaching methods (section12) and methods of assessment (section 13)**

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| **Module learning outcome** | *8.1* | *8.2* | *8.3* | *8.4* | *8.5* | *9.1* |  |  |  |  |  |  |
| **Learning/ teaching method** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Private Study** |  |  |  |  |  |  |  |  |  |  |  |  |
| *Lecture* | x | x | x | x | x |  |  |  |  |  |  |  |
| *Workshop* | x | x | x | x | x |  |  |  |  |  |  |  |
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| **Assessment method** |  |  |  |  |  |  |  |  |  |  |  |  |
| *Essay* | x |  |  |  |  | x |  |  |  |  |  |  |
| *Design project* |  | x | x | x | x | x |  |  |  |  |  |  |
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1. **Inclusive module design**

The School recognises and has embedded the expectations of current equality legislation, by ensuring that the module is as accessible as possible by design. Additional alternative arrangements for students with Inclusive Learning Plans (ILPs)/declared disabilities will be made on an individual basis, in consultation with the relevant policies and support services.

The inclusive practices in the guidance (see Annex B Appendix A) have been considered in order to support all students in the following areas:

a) Accessible resources and curriculum

b) Learning, teaching and assessment methods

1. **Campus(es) or centre(s) where module will be delivered**

Canterbury

1. **Internationalisation**

Techniques and design methods are developed by the international community of researchers and practitioners and this will be communicated in the module teaching.

HCI draws from work done by the international research community. Examples, theories and models discussed will reflect this international dimensions.

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**Revision record – all revisions must be recorded in the grid and full details of the change retained in the appropriate committee records.**

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| --- | --- | --- | --- | --- |
| Date approved | Major/minor revision | Start date of the delivery of revised version | Section revised | Impacts PLOs (Q6&7 cover sheet) |
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Revised FSO Jan 2018