1. **Title of the module**

EENG8830 (EL883) - Mobile Web Development

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)**

Spring

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

None

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

MSc Mobile Application Development

1. **The intended subject specific learning outcomes.
On successfully completing the module students will be able to:**
2. Understand mobile web design principles and practices.
3. Understand mobile web standards.
4. Create a mobile information architecture.
5. Development a mobile web application.
6. **The intended generic learning outcomes.
On successfully completing the module students will be able to:**
7. Make effective use of IT facilities for problem solving.
8. Manage their own learning and development, through self-directed study and working on a mini-project.
9. **A synopsis of the curriculum**

Mobile Web Databases.

Building RESTful Web Services.

Mobile App Design. Mobile information architecture.

Mobile web development: HTML5, CSS3 and JavaScript.

Progressive Web Apps.

Mobile web frameworks.

1. **Reading list (Indicative list, current at time of publication. Reading lists will be published annually)**
* Camden, R. and Matthews, A. (2016) jQuery Mobile Web Development Essentials: Build a Powerful and Practical jQuery-based Framework in Order to Create Mobile-Optimized Websites. 3rd edition. Birmingham: Packt Publishing
* Campesato, Oswald (2013) jQuery, CSS3, and HTML5 for Mobile and Desktop Devices. Dulles, Virginia: Mercury Learning and Information
* Catledine, Earle et al (2011) Build Mobile: Websites and Apps for Smart Devices. Collingwood, Vic., Australia: SitePointPty Ltd.
* Firtman, Maximiliano (2010) Programming the Mobile Web. Beijing: O’Reilly. Available as online resource
* Gauchat, J. D. (2014) Html5 for Masterminds, Revised 2nd Edition. John D Gauchat
1. **Learning and teaching methods**

Total contact hours: 30

Private study hours: 120

Total study hours: 150

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

Assignment (100%)

13.2 Reassessment methods

Like-for-like

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** | *8.1* | *8.2* | *8.3* | *8.4* | *9.1* | *9.2* |
| **Learning/ teaching method** |  |  |  |  |  |  |
| **Private Study** | **X** | **X** | **X** | **X** | **X** | **X** |
| *Lectures* | **X** | **X** | **X** | **X** |  |  |
| *Workshops* | **X** |  | **X** | **X** | **X** |  |
| **Assessment method** |  |  |  |  |  |  |
| *Mini-project* | **X** | **X** | **X** | **X** | **X** | **X** |

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**

In building their mobile web application mini-projects, students research existing web services from a diverse range of application areas spanning both UK, EU and international communities. This allows them to build an application with a true international perspective.

**FACULTIES SUPPORT OFFICE USE ONLY**

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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