Module code: MOD005441	Version: 1 Date Amended: 04/May/2016

1. Module Title

The Mobile Web

2a. Module Leader

James Larner

2b. Department

Department of Computing and Technology

2c. Faculty

Faculty of Science and Technology

3a. Level

5

3b. Module Type

Standard (fine graded)

4a. Credits

15

4b. Study Hours

150

5. Restrictions

Type	Module Code	Module Name	Condition
Pre-requisite:	MOD005431	Developing Interactive Web Solutions	Compulsory
Co-requisites:	None		
Exclusions:	None		
Courses to which this module is restricted:			

LEARNING, TEACHING AND ASSESSMENT INFORMATION

6a. Module Description

With the advent of cheap tablets and internet enabled smart phones, access to web content is moving away from the traditional desk based to a more mobile consumption of content. This module will build upon previous knowledge gained in Digital Asset Development and highlight the need for mobile solutions.

Working with mobile technologies, students will analyse the need for mobile web solutions and will use existing frameworks and new technologies to produce mobile content. This module will also look at the constraints and opportunities when it comes to delivering information in this mobile world.

Students will utilise and evaluate a number of technologies to build mobile content including Frameworks such as Bootstrap and Online App Builders such as App Maker. The fundamentals of creating content for the mobile web will also be examined including the way the user interacts with the website and how this differs to desktop use.

Web APIs for mobile use will also be explored such as Google Maps API and other Geolocation data.

Assessment is by designing, building and demonstrating a website aimed at mobile users and also by a report on

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6b. Outline Content

Creating content for the mobile web

Distinguish between Mobile and Desktop requirements

Responsive vs Bespoke

Media queries with CSS

Utilising online App Builders

Bootstrap and Foundation

Utilising APIs to offer data

Performance testing for mobile content

Grids

6c. Key Texts/Literature

The reading list to support this module is available at: http://readinglists.anglia.ac.uk/modules/mod005441

6d. Specialist Learning Resources

Web speed test analysing tools such as https://developers.google.com/speed/pagespeed/insights/

Notepad++

Frameworks such as Bootstrap

Web mobile testing tools such as https://www.google.co.uk/webmasters/tools/mobile-friendly/

7. Learning Outcomes (threshold standards)

No.	Type	On successful completion of this module the student will be expected to be able to:
1	Knowledge and Understanding	Apply good mobile usability techniques
2	Knowledge and Understanding	Identify and analyse performance of web-based content
3	Intellectual, practical, affective and transferrable skills	Design, Create and critically analyse mobile web content
4	Intellectual, practical, affective and transferrable skills	Assess and utilise mobile web APIs

8a. Module Occurrence to which this MDF Refers

Year	Occurrence	Period	Location	Mode of Delivery
2017/8	F01UCP	Semester 2	University Centre, Peterborough	Face to Face

8b. Learning Activities for the above Module Occurrence

Learning Activities	Hours	Learning Outcomes	Details of Duration, frequency and other comments
Lectures	12	1,2,3,4	Lecture 1hr x 12 weeks
Other teacher managed learning	24	1,2,3,4	Practical2hr x 12 weeks
Student managed learning	114	1,2,3,4	reading, research, skills practice, assignment
TOTAL:	150		

9. Assessment for the above Module Occurrence

Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
010	Practical	3,4	50 (%)	Fine Grade	30 (%)

Report discussing Learning Outcomes 1 and 2 - 2,000 words

Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
011	Coursework	1,2	50 (%)	Fine Grade	30 (%)

Mobile website demonstration (1,000 words equivalent)

In order to pass this module, students are required to achieve an overall mark of 40%.

In addition, students are required to:

(a) achieve the qualifying mark for each element of fine graded assessment of as specified above

(b) pass any pass/fail elements