



MODULE SPECIFICATION

Part 1: Information			
Module Title	Digital Devices Implementation and Usability		
Module Code	UFCFJE-15-2	Level	Level 5
For implementation from	2019-20		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Environment & Technology	Field	Computer Science and Creative Technologies
Department	FET Dept of Computer Sci & Creative Tech		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
<p>Educational Aims: See Learning Outcomes</p> <p>Outline Syllabus: Understand the concept of assessing digital technologies in commercial applications.</p> <p>Consider primary business sectors office, mobile and in field application and associated devices and solutions, e.g. tablet computers, mobile phones, RFI, GPS, assistive technology devices, medical diagnosis, telemedicine, Google Goggles etc.</p> <p>Critically assess current production digital devices and their application within the commercial environment. Recognising the need to establish a viable business case and the associated overheads in terms of capital cost and training of staff.</p> <p>Develop technical documentation to support the proposed technical solutions and develop user manuals that reflect the usability of the proposed devices and the accessibility for all potential users.</p> <p>Investigate the new products specific to market sectors, primary and secondary research and various public launch media from internet to exhibitions.</p>

STUDENT AND ACADEMIC SERVICES

Demonstrate an understanding of the implementation process and show an appreciation of change management with various business environments.

Summarise finding into a comprehensive report and communicate these findings to a non-technical audience in a suitable format.

Teaching and Learning Methods: 54 hours scheduled learning.
96 hours research, independent study and preparation for assessment work.

Introductory lectures are supported by seminars, case studies, visits and practical workshops. In addition this module will be supported by interactive forums and learning tools.

Independent learning includes hours engaged with essential reading, assignment preparation and completion. Student study time will be organised each week with a series of both essential and further readings and preparation.

This module will be taught across semester 1 on one day per week.

Part 3: Assessment

A range of assessment techniques will be employed to ensure that learners can meet the breadth of learning outcomes presented in this module alongside the ability to demonstrate transferable skills e.g. communication skills.

Exam: Utilising both formal and experiential learning provided during lectures, guest speakers and visits, students will be expected to discuss and critically evaluate applications of appropriate digital devices within a variety of industries and sectors. It is expected that that students will be able to comment on at least one specific application to illustrate the points they wish to make in discussion.

Critical Essay: Apply knowledge of technical writing to produce a user guide/technical manual and then critically appraise the digital devices with regard to their value, usability and accessibility to an industry situation. Finally demonstrate a commercial appreciation of the devices.

Opportunities for formative assessment exist for the assessment strategy used. Verbal feedback is given and all students will engage with personalised tutorials setting SMART targets as part of the programme design.

First Sit Components	Final Assessment	Element weighting	Description
Written Assignment - Component B	✓	71 %	Critical essay (2000 words)
Written Assignment - Component B		4 %	Supporting technical documents/user guide
Examination - Component A		25 %	Pre-seen / open book examination (2 hours)
Resit Components	Final Assessment	Element weighting	Description
Written Assignment - Component B	✓	71 %	Critical essay (2000 words)
Written Assignment - Component B		4 %	Supporting technical documents/user guide
Examination - Component A		25 %	Pre-seen / open book examination (2 hours)

Part 4: Teaching and Learning Methods		
Learning Outcomes	On successful completion of this module students will achieve the following learning outcomes:	
	Module Learning Outcomes	Reference
	Research and discuss current applications of appropriate digital devices within a variety of industries and sectors	MO1
	Critically evaluate a range of digital devices	MO2
	Appraise their value, usability and accessibility to an industry situation	MO3
	Develop technical support documentation/user guides	MO4
	Demonstrate a commercial appreciation of their recommendations	MO5
Contact Hours	Independent Study Hours:	
	Independent study/self-guided study	96
	Total Independent Study Hours:	96
	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	54
	Total Scheduled Learning and Teaching Hours:	54
	Hours to be allocated	150
	Allocated Hours	150
	Reading List	<i>The reading list for this module can be accessed via the following link:</i>
https://uwe.rl.talis.com/index.html		

Part 5: Contributes Towards
<p>This module contributes towards the following programmes of study:</p> <p>Applied Computing [Sep][PT][UCW][3yrs] FdSc 2018-19</p> <p>Applied Computing [Sep][FT][UCW][2yrs] FdSc 2018-19</p>