GMIT
INSTITIÚID TEICNEOLAÍOCHTA NA GAILLIMHE-MAIGH EO
GALWAY-MAYO INSTITUTE OF TECHNOLOGY

INFO08010
Mobile Applications Development

Full Title	Mobile Applications Development		
Status	Uploaded to Banner	Start Term	2012
NFQ Level	08	ECTS Credits	05
Module Code	INFO08010	Duration	13 weeks - (13 Weeks)
Grading Mode		Department	Comp Science & Applied Physics
Module Author	Dr. John Healy		

Module Description

This module provide a general introduction to mobile application building and covers specific techniques for Android development using Java and the Eclipse IDE.

Learning Outcomes
On completion of this module the learner will/should be able to:

1. Demonstrate and awareness and appreciation of the various mobile platforms currently available.

2. Understand the basic building blocks of a mobile application development framework.

3. Design, develop and deploy a mobile application using an Integrated Development Environment (IDE) and an Emulator.

4. Understand the programming constraints that apply when developing applications for mobile devices.

Indicative Syllabus

- GUI Development for Mobile Devices
- Event Notification Services
- Persistent Data Storage
- 2D Graphics
- Widgets and Services
- Location-aware Services and Mapping

Teaching and Learning Strategy

Assessment Strategy

Repeat Assessment Strategies

Indicative Coursework and Continuous Assessment:		100 %		
Form	*Title*	*Percent*	*Week (Indicative)*	*Learning Outcomes*
UNKNOWN	Practical Evaluation Assessment of knowledge of mobile GUI design and event notification	50 %	Week 6	2,3,4
UNKNOWN	Assignment Design, develop and deploy an a	50 %	End of Term	1,2,3,4

				End of Term	
	mobile application				

Full Time Delivery Mode Average Weekly Workload:			4.00 Hours		
Type	*Description*	*Location*	*Hours*	*Frequency*	*Weekly Avg*
Practical	Mobile Application Development	Computer Laboratory	4	Weekly	4.00

Literary Resources

- Learning Android - Building Applications for the Android Market, M. Gargenta, O'Reilly Media, 2011, ISBN: 1449390501

Other Resources

None

Additional Information

None

Programme Membership

GA_KSOFG_L08 201700 Higher Diploma in Science in Software Development
GA_KCDAG_H08 201900 Bachelor of Science (Honours) in and Digital Media
GA_KCDMG_B07 201900 Bachelor of Science in and Digital Media