

<b>Full Title</b>	Application Development		
<b>Status</b>	Uploaded to Banner	<b>Start Term</b>	2018
<b>NFQ Level</b>	08	<b>ECTS Credits</b>	10
<b>Module Code</b>	COMP08053	<b>Duration</b>	Semester - (13 Weeks)
<b>Grading Mode</b>		<b>Department</b>	Business
<b>Module Author</b>	Phelim Murnion		

### Module Description

Developing and deploying desktop, cloud and mobile applications using applications development environments.

### Learning Outcomes *On completion of this module the learner will/should be able to;*

1. Design, build and deploy standalone desktop applications using the Microsoft Office development environment
2. Manipulate the Microsoft Office Object Model using scripts
3. Configure desktop applications using addons and customisation
4. Customise cloud systems for line of business applications
5. Build and deploy business apps

### Indicative Syllabus

1. Desktop Object-Models
  - 1.1. Object Models and Hierarchies
  - 1.2. The Office object model
  - 1.3. The Excel object model
2. Applications Development and Delivery
  - 2.1. Interface design tools and techniques
  - 2.2. The Excel application deployment system
  - 2.3. Developing integrated Excel applications
3. Application Development using the Access development Environment
  - 3.1. User interface design approaches
  - 3.2. Creating a production system
  - 3.3. Deployment in the user environment
4. Develop Line of Business (LOB) Cloud apps
  - 4.1. LOB application development
  - 4.2. Cloud development environments
  - 4.3. Deploying cloud applications

**Teaching and Learning Strategy**

Teaching and learning strategy is to use cases which are examined and solved in an applied manner in a computer laboratory environment.

**Assessment Strategy**

Assessment will involve the learners analysing problem cases and delivering working solutions in individual and team projects over the course of the module.

**Repeat Assessment Strategies**

Lab-based repeat exam

Coursework & Continuous Assessment:			100 %		
Type	Form	Failed Element	Percent	Week (Indicative)	Learning Outcomes
Continuous Assessment	Individual Project	No	40 %	Week 10	1,2,3
Practical	Assignment	No	20 %	Week 18	4,5
Project	Group Project	No	40 %	Week 27	3,4,5

Full Time Average Weekly Workload:			3.00 Hours		
Type	Location	Description	Hours	Frequency	Weekly Avg
Lecture	Lecture Theatre	Lecture	1	Weekly	1.00
Practical	Computer Laboratory	Lab Class	02	Weekly	2.00

**Recommended Reading Book List**

Mansfield, R., (2010). *Mastering VBA for Office 2010*. Sybex.  
ISBN 0470634006 ISBN-13 9780470634004

, C., (2010). *Microsoft Office 2010 LiveLessons (Video Training): Maximizing Your Office 2010 Productivity*. Que Publishing.  
ISBN 0789743922 ISBN-13 9780789743923

Groh, R., (2010). *Access 2010 Bible*. Wiley.

**Non ISBN Literary Resources**

Groh, Michael (2010), *Access 2010 Bible*, Wiley

**Online Resources**

Force.com Platform Fundamentals:

[https://developer.salesforce.com/docs/atlas.en-us.fundamentals.meta/fundamentals/adg\\_preface.htm](https://developer.salesforce.com/docs/atlas.en-us.fundamentals.meta/fundamentals/adg_preface.htm)

Microsoft Office Dev Center:

<https://developer.microsoft.com/en-us/office>

**Other Resources**

None

**Additional Information**

None

**Programme Membership**

GA\_BBISG\_H08 201800 Bachelor of Science (Honours) in Business Information Systems

GA\_KBUSI\_H08 201900 Bachelor of Science (Honours) in Business Information Systems