

Liverpool John Moores University

Title: APPLICATIONS AND VB FOR E-BUSINESS

Status: Definitive

Code: **5504TECYPC** (115862)

Version Start Date: 01-08-2018

Owning School/Faculty: Engineering

Teaching School/Faculty: YPC International College (Kolej Antarabangsa YPC)

Team	Leader
Michael Shaw	

Academic Level: FHEQ5 **Credit Value:** 24 **Total Delivered Hours:** 101

Total Learning Hours: 240 **Private Study:** 139

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	56
Tutorial	42

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Presentation	AS1	Group Application Presentation	30	
Report	AS2	Group Documentation Report	20	
Exam	AS3		50	3

Aims

To promote group activity using IT as an integrating function between internal company operations. This requires the use of back-office applications.

To introduce the main principles and techniques of application integration, mapping and processing of data through a simulated business process.

To develop students practical programming capability to build windows based applications. To develop the students ability to generate effective user and technical

documentation.

Learning Outcomes

After completing the module the student should be able to:

- 1 Examine and process data within typical software applications
- 2 Demonstrate how applications and web-sites are linked through the client interface to a server and managed on servers.
- 3 Produce a design specification to tackle a business problem
- 4 Demonstrate a simple back office system linked to process data captured from an E-commerce front end web site.
- 5 Use commercial software to create internet sites, and Visual Basic.net for intranet sites and Windows programming
- 6 Demonstrate and design an effective Windows based information system by use of Visual Basic
- 7 Demonstrate and interpret effective user and technical documentation

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Presentation	4	5	6
Report	7		
Examination	1	2	3

Outline Syllabus

Top down and bottom up programming methods

Use of web-site and application builder to develop an on-line shopping environment.

Use of scanners, digital cameras and camcorders, graphical images to create on-line brochures.

Use of databases and e-commerce applications to capture order information from web-pages

Integration and transfer of captured order data to Financial / Spreadsheet applications, planning and scheduling systems.

The Visual Basic Environment. Visual Basic statements, assigning properties, variable types. VB & forms

Communicating with other Windows applications

Development of VB pages and ASP applications.

Learning Activities

Lab-based lectures on the software development process.

Students will be encouraged to work both independently, and within groups.

Provision of reading material and exercise for students to attempt in their own time.

Course Material	Book
Author	Gaddis, Irvine
Publishing Year	2010
Title	Starting Out With Visual Basic 2010
Subtitle	
Edition	
Publisher	Pearson Education
ISBN	

Course Material	Book
Author	Mistry, Misner
Publishing Year	2010
Title	Introducing Microsoft SQL Server 2008 R2
Subtitle	
Edition	
Publisher	Microsoft Press Series
ISBN	

Course Material	Book
Author	Evjen, Hanselman, Rader
Publishing Year	2010
Title	Professional ASP.NET 4 in C# and VB
Subtitle	
Edition	
Publisher	Wiley Publishing
ISBN	

Course Material	Book
Author	Bentrum, Whatley
Publishing Year	2002
Title	Building e-Commerce Sites with the .Net Framework
Subtitle	
Edition	
Publisher	SAMS
ISBN	

Notes

The module provides the student with a practical problem in a group learning environment. To complete the assessment tasks satisfactorily, students will need to participate in the group work activities of the module.