Liverpool John Moores University

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Title: APPLICATIONS AND VB FOR E-BUSINESS
Status: Definitive
Code: **5514TECYPC**   (120602)
Version Start Date: 01-08-2016

Owning School/Faculty: Electronics and Electrical Engineering
Teaching School/Faculty: YPC International College (Kolej Antarabangsa YPC)

Team	Leader
Paul Otterson	Y

Academic Level:	FHEQ5	Credit Value:	24	Total Delivered Hours:	72
Total Learning Hours:	240	Private Study:	168		

Delivery Options
Course typically offered: Standard Year Long

Component	Contact Hours
Practical	66
Seminar	6

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Technology	AS1	group application	50	
Presentation	AS2	Group Presentation	10	
Portfolio	AS3	Individual documentation and report	40	

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   Gain a practical knowledge of data processing 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:

group application	1	2	3	4	5	6	7
Group Presentation	1	2	3	7			
Documentation and report	1	2	3	7			

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

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

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.