

## Liverpool John Moores University

Title: APPLICATIONS AND VB FOR E-BUSINESS  
Status: Definitive  
Code: **5054TECH** (105657)  
Version Start Date: 01-08-2016

Owning School/Faculty: Electronics and Electrical Engineering  
Teaching School/Faculty: Electronics and Electrical Engineering

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
Essay	AS1	group application	50	
Essay	AS2	Group Presentation	10	
Essay	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 Show 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 Link together a simple back office system 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 Develop an effective Windows based information system by use of Visual Basic
- 7 Produce effective user and technical documentation

## **Learning Outcomes of Assessments**

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

CW	1	2	3	4	5	6	7
CW	1	2	3	7			
CW	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.