

## Liverpool John Moores University

Title: IT 3 (WEB BASED PROGRAMMING)  
Status: Definitive  
Code: **3001BELIT** (101142)  
Version Start Date: 01-08-2011

Owning School/Faculty: Arts, Professional and Social Studies  
Teaching School/Faculty: Bellerby's College - Brighton

Team	Leader
Jarmila Hickman	Y

**Academic Level:** FHEQ3      **Credit Value:** 12.00      **Total Delivered Hours:** 68.00  
**Total Learning Hours:** 120      **Private Study:** 52

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	66.000

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Technology	AS1	Coursework: Consists of 5 assessed tasks covering XHTML, JavaScript/VB Script and Dreamweaver/Fireworks	60.0	
Exam	AS2	Closed book examinations – two on XHTML and one on JavaScript/VB Script	40.0	2.00

### Aims

*The course is designed to introduce students to a compact range of languages in order to understand the concepts of programming, the structures required and how these result in real life outcomes and products. Languages used currently are XHTML and either Javascript or Visual Basic.*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Describe the usage and limitations of XHTML and how other languages might be used to overcome these limitations.
- 2 Add interactivity to static web pages with languages such as Javascript or Visual Basic.
- 3 Create interactive forms.
- 4 Deploy the different practical methods of publishing dynamic web pages.
- 5 Explain the advantages of more advanced applications of web design and the implications of legal aspects such as copyright issues.
- 6 Use graphic editing programmes to optimize images, enhance aesthetical aspects and produce imagemaps and Javascript enhanced sliced imagemaps.

## Learning Outcomes of Assessments

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

technology	1	2	3	4	5	6
exam	1	2	3	4		

## Outline Syllabus

1. XHTML, including basic structure, inserting images, linking web pages, integrating CSS and XHTML validation.
2. Other languages – JavaScript and/or Visual Basic, Visual Basic Script.
3. Applications – including Adobe Dreamweaver, Fireworks and support programmes such as FTP clients, hand coding of script. Also the production of simple pages, small sites, imagemaps, sliced imagemaps, form elements, form manipulation and tables, theoretical considerations and practical aspects of uploading files to servers.

## Learning Activities

Production of an original web page and site, incorporating techniques learned in acquiring knowledge of additional languages, uploading of websites to web servers, use of Dreamweaver.

## References

<b>Course Material</b>	Book
<b>Author</b>	Powell, T
<b>Publishing Year</b>	2003
<b>Title</b>	HTML and XHTML

<b>Subtitle</b>	The Complete Reference
<b>Edition</b>	4th Edition
<b>Publisher</b>	Osborne
<b>ISBN</b>	9780072229424

<b>Course Material</b>	Book
<b>Author</b>	Goodman, D and Morrison, M
<b>Publishing Year</b>	2007
<b>Title</b>	JavaScript Bible
<b>Subtitle</b>	
<b>Edition</b>	6th Edition
<b>Publisher</b>	Wiley
<b>ISBN</b>	9780470069165

<b>Course Material</b>	Book
<b>Author</b>	Dean, S and Henderson, R
<b>Publishing Year</b>	2003
<b>Title</b>	ASP Made Simple
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Made Simple
<b>ISBN</b>	9780750658690

<b>Course Material</b>	Book
<b>Author</b>	Bardzell, J
<b>Publishing Year</b>	2005
<b>Title</b>	Macromedia Dreamweaver 8 with ASP, Coldfusion and PHP
<b>Subtitle</b>	Training from the Source
<b>Edition</b>	
<b>Publisher</b>	Macromedia
<b>ISBN</b>	9780321336255

---

## Notes

Considers issues of web page design and shows how interactivity may be achieved through the use of different programming languages. This knowledge is placed in the context of a workplace environment.