Anglia Ruskin University

Module Definition Form (MDF)

Module code: MOD005429	**Version:** 1 **Date Amended:** 04/May/2016

1. Module Title
Database-Driven Websites

2a. Module Leader
Hugh Chadwick

2b. Department
Department of Computing and Technology

2c. Faculty
Faculty of Science and Technology

3a. Level
5

3b. Module Type
Standard (fine graded)

4a. Credits
15

4b. Study Hours
150

5. Restrictions

Type	**Module Code**	**Module Name**	**Condition**
Pre-requisites:	None		
Co-requisite:	MOD005431	Developing Interactive Web Solutions	Compulsory
Exclusions:	None		
Courses to which this module is restricted:			

LEARNING, TEACHING AND ASSESSMENT INFORMATION

6a. Module Description

This module is designed to introduce students to the design, development and implementation of client / server applications for Internet or Intranet web sites. Building on from Introduction to Programming, web pages created with HTML, and scripting languages access a database via SQL statements embedded in appropriate pages. It is expected that students will have a thorough knowledge of HTML, CSS and Scripting languages before beginning this module.

Whilst it is necessary that the student deliver a working web site without code errors, it is also a requirement that the design of the pages is user centered. It is considered essential that the student understands the necessity for a web site, whether it is on the Internet or Intranet, to be usable by its clients both internal and external.

Additionally, the student is required to produce documentation that fully describes the web site such that others can easily make future revisions. In order to understand the design of client / server web site it is necessary that the student researches current design standards and existing related web sites.

6b. Outline Content

Scripting languages for interactive, data driven websites e.g. PHP and ASP.NET

Creation of a database using MySQL

Development of queries to interrogate data

Development of queries to manipulate data

The use of a scripting language to produce a structured page of information called from a database.

An appreciation of the need to work with clients and identification of competitors to stand out

6c. Key Texts/Literature

The reading list to support this module is available at: http://readinglists.anglia.ac.uk/modules/mod005429

6d. Specialist Learning Resources

A computer running Internet Information Services (IIS) acting as a server machine or a Local APACHE server that is accessible by client machines in computer laboratories.

7. Learning Outcomes (threshold standards)		
No.	**Type**	**On successful completion of this module the student will be expected to be able to:**
1	Knowledge and Understanding	Appreciate a need for User Centred Design
2	Knowledge and Understanding	Demonstrate a knowledge of Client / Server programming
3	Intellectual, practical, affective and transferrable skills	Document the design, development and testing of a Client / Server, Database-Driven website
4	Intellectual, practical, affective and transferrable skills	Develop a complete website solution for a client

8a. Module Occurrence to which this MDF Refers				
Year	**Occurrence**	**Period**	**Location**	**Mode of Delivery**
2017/8	F01UCP	Semester 1	University Centre, Peterborough	Face to Face

8b. Learning Activities for the above Module Occurrence			
Learning Activities	**Hours**	**Learning Outcomes**	**Details of Duration, frequency and other comments**
Lectures	12	1,2,3,4	Lecture 1 hr x 12 weeks
Other teacher managed learning	24	1,2,3,4	Practical 2 hr x 12 weeks
Student managed learning	114	1,2,3,4	Assignment prep and reading
TOTAL:	150		

9. Assessment for the above Module Occurrence					
Assessment No.	**Assessment Method**	**Learning Outcomes**	**Weighting (%)**	**Fine Grade or Pass/Fail**	**Qualifying Mark (%)**
010	Practical	4	0 (%)	Pass/Fail	100 (%)
15 minutes presentation of completed website solution (1,000 words equivalent)					
Assessment No.	**Assessment Method**	**Learning Outcomes**	**Weighting (%)**	**Fine Grade or Pass/Fail**	**Qualifying Mark (%)**
011	Coursework	1,2,3	100 (%)	Fine Grade	30 (%)
Documentation including design and testing of website solution 2,000 words					

In order to pass this module, students are required to achieve an overall mark of 40%.
In addition, students are required to:
(a) achieve the qualifying mark for each element of fine graded assessment of as specified above
(b) pass any pass/fail elements