

## MODULE DESCRIPTOR

<b>MODULE TITLE</b>	Web-based e-commerce systems		
<b>MODULE CODE</b>	BT2201 (L5)	<b>CREDIT VALUE</b>	20 credits/ 10 ECTS
<b>SCHOOL</b>	SCHOOL OF BUSINESS AND MANAGEMENT		

### MODULE AIMS

This module is designed

- to give students an understanding of the Internet, the web and the technologies used and necessary for the operation of the Internet and the web
- to introduce students to HTML
- to teach students PHP so that they can develop dynamic web sites of medium complexity of as used by SMEs
- to introduce database management systems and necessary concepts
- to introduce students to MySQL

### MODULE CONTENT

- Introduction to dynamic web pages
- Images in HTML
- Variables in PHP
- Loops in PHP
- Forms in HTML and PHP
- Functions and arrays in PHP
- Cookies and Sessions in PHP
- Introduction to database management systems
- Introduction to MySQL
- Querying, inserting and updating records in MySQL
- Database driven web sites

### INTENDED LEARNING OUTCOMES

On successful completion of this module a student will be able to:

1. Create a database-driven dynamic web site of a complexity typically required by an SME
2. Plan the development of a dynamic web site according to given requirements
3. Set up a simple database
4. Implement a dynamic web site according to previously created plans

### TEACHING METHODS

The module will use the lectures to introduce and explain HTML, PHP and MySQL and show examples how real organisations use these technologies to produce dynamic web sites. The workshops will give the students a chance to get familiar with these technologies and to produce their own dynamic web sites, helping them in the development of their skills. The main focus is on PHP. Its place on the web as well as alternatives are being discussed with students. The emphasis of this module is on learning by doing and reflective learning.

The first assessment will contain several elements of increasing levels of complexity. For the second assessment the students will create an e-commerce web site that will address the needs of a SME.

### ASSESSMENT METHODS

This module is assessed through two assignments (2x50%).

