### COURSE DETAILS

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>F27WX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Course Title:</td>
<td>Web Design and Databases</td>
</tr>
<tr>
<td>SCQF Level:</td>
<td>7</td>
</tr>
<tr>
<td>SCAF Credits:</td>
<td>15</td>
</tr>
<tr>
<td>Available as Elective:</td>
<td>No</td>
</tr>
</tbody>
</table>

### DELIVERY LEVEL

<table>
<thead>
<tr>
<th>Undergraduate:</th>
<th>Yes</th>
<th>Postgraduate Taught:</th>
<th>No</th>
<th>Postgraduate Research:</th>
<th>No</th>
</tr>
</thead>
</table>

### COURSE AIMS

To develop knowledge and understanding of fundamental web design concepts and combine these with database structuring and querying techniques applying this knowledge by implementing an easy-to-use website.

### LEARNING OUTCOMES – SUBJECT MASTERY

- To explain fundamental web design concepts including usability.
- To implement a simple web site which satisfies current standards and uses a database.
- To describe the use of CSS and mark-up within a web site and the advantage this gives the developer.
- To describe the need for standard XHTML and how this aids cross browser compatibility.
- To have knowledge and understanding of data analysis and structuring techniques.
- To design database structures as a relational data model.
- To implement and query a designed database structure through a web site.

### LEARNING OUTCOMES – PERSONAL ABILITIES

- To analyse complex information and organise it in a structured way for a web site.
- To understand stakeholders’ requirements and address them.
- To design a web site that is easy and cost efficient to manage.
- To analyse data sources and represent them in an efficient structured form.
- Problem solving (PDP).
- Paired work (PDP).
- Time management (PDP).
- To be able to relate learned knowledge to a work-based environment

- Reflection, constructive criticism and learning from peers (PDP).

### SYLLABUS

- Introduction to web development.
- Information architecture.
- Web design and usability.
F27WX Web Design and Databases

- Fundamentals of Mark-up and CSS.
- Introduction to database systems.
- Databases and Information Systems.
- Modelling of data/entity-relationship modelling.
- The relational data model.
- The Structured Query Language (SQL).
- Web-based database applications including the use of PHP.

COURSE RELATIONSHIPS
N/A

LOCATION AND ASSESSMENT METHODS

<table>
<thead>
<tr>
<th>Edi</th>
<th>SBC</th>
<th>Ork</th>
<th>Dub</th>
<th>Malay</th>
<th>IDL</th>
<th>COLL</th>
<th>ALP</th>
<th>OTH</th>
<th>Method</th>
<th>Weight</th>
<th>Exam Mins</th>
<th>Type</th>
<th>Diet</th>
<th>Synoptic Course</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Coursework</td>
<td>100</td>
<td></td>
<td>Assessment</td>
<td>All Year</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Coursework</td>
<td>100</td>
<td></td>
<td>Reassessment</td>
<td>Semester 1</td>
<td></td>
</tr>
</tbody>
</table>