

## Liverpool John Moores University

Title: DATABASE TECHNOLOGIES 1  
Status: Definitive  
Code: **5050BUSIS** (108226)  
Version Start Date: 01-08-2011

Owning School/Faculty: Liverpool Business School  
Teaching School/Faculty: Liverpool Business School

| Team         | Leader |
|--------------|--------|
| Terry Murray | Y      |

**Academic Level:** FHEQ5  
**Credit Value:** 12.00  
**Total Delivered Hours:** 26.00  
**Total Learning Hours:** 120  
**Private Study:** 94

### Delivery Options

Course typically offered: Semester 1

| Component | Contact Hours |
|-----------|---------------|
| Lecture   | 13.000        |
| Tutorial  | 13.000        |

**Grading Basis:** 40 %

### Assessment Details

| Category | Short Description | Description | Weighting (%) | Exam Duration |
|----------|-------------------|-------------|---------------|---------------|
| Report   | AS1               | Coursework  | 100.0         |               |

### Aims

*To introduce the students basic UML techniques.*  
*To introduce the students to report writing using SQL.*  
*To provide the students with the necessary skills to analyzing the business, hardware and software requirements of enterprise database systems using UML.*

### Learning Outcomes

After completing the module the student should be able to:



|                  |                 |
|------------------|-----------------|
| <b>Publisher</b> | McGraw Hill     |
| <b>ISBN</b>      | 978-0-07-154638 |

|                        |                       |
|------------------------|-----------------------|
| <b>Course Material</b> | Book                  |
| <b>Author</b>          | Shaums Outline Series |
| <b>Publishing Year</b> | 0                     |
| <b>Title</b>           | UML                   |
| <b>Subtitle</b>        |                       |
| <b>Edition</b>         |                       |
| <b>Publisher</b>       | 0-07-709673-8         |
| <b>ISBN</b>            |                       |

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Course Material</b> | Book                                |
| <b>Author</b>          | Schmuller, J                        |
| <b>Publishing Year</b> | 2001                                |
| <b>Title</b>           | Sams Teach Yourself UML in 24 Hours |
| <b>Subtitle</b>        |                                     |
| <b>Edition</b>         |                                     |
| <b>Publisher</b>       | Sams Publishing                     |
| <b>ISBN</b>            | 0-672-32238-2                       |

|                        |  |
|------------------------|--|
| <b>Course Material</b> | Book   |
| <b>Author</b>          | Microsoft  |
| <b>Publishing Year</b> | 0  |
| <b>Title</b>           | MOC 2780B Maintaining A Microsoft SQL Server 2005  |
| <b>Subtitle</b>        |  |
| <b>Edition</b>         |  |
| <b>Publisher</b>       | Microsoft Press (This will be given free to Students as part of their 2nd semester delivery) |
| <b>ISBN</b>            |  |

|                        |  |
|------------------------|--|
| <b>Course Material</b> | Book                                   |
| <b>Author</b>          | Shapiro                                |
| <b>Publishing Year</b> | 0                                      |
| <b>Title</b>           | SQL Server 2005 The Complete Reference |
| <b>Subtitle</b>        |  |
| <b>Edition</b>         |  |
| <b>Publisher</b>       | McGraw Hill                            |
| <b>ISBN</b>            | 10-0-07-2261528                        |

|                        |                  |
|------------------------|------------------|
| <b>Course Material</b> | Book             |
| <b>Author</b>          | Fowler and Scott |
| <b>Publishing Year</b> | 0                |
| <b>Title</b>           | UML Distilled    |
| <b>Subtitle</b>        |                  |
| <b>Edition</b>         |                  |
| <b>Publisher</b>       | Addison-Wesley   |

|             |               |
|-------------|---------------|
| <b>ISBN</b> | 0-201-65783-X |
|-------------|---------------|

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Course Material</b> | Book                                |
| <b>Author</b>          | Bouch, Jacobson and Rumbaugh        |
| <b>Publishing Year</b> | 0                                   |
| <b>Title</b>           | The Unified Modeling Language Guide |
| <b>Subtitle</b>        |                                     |
| <b>Edition</b>         |                                     |
| <b>Publisher</b>       | Addison-Wesley                      |
| <b>ISBN</b>            | 0-201-57169-4                       |

|                        |                           |
|------------------------|---------------------------|
| <b>Course Material</b> | Book                      |
| <b>Author</b>          | Shalloway and Trott       |
| <b>Publishing Year</b> | 0                         |
| <b>Title</b>           | Design Patterns Explained |
| <b>Subtitle</b>        |                           |
| <b>Edition</b>         |                           |
| <b>Publisher</b>       | Addison-Wesley            |
| <b>ISBN</b>            | 0-201-71594-5             |

|                        |   |
|------------------------|---|
| <b>Course Material</b> | Book  |
| <b>Author</b>          | Bruce, Powel and Douglas                          |
| <b>Publishing Year</b> | 0   |
| <b>Title</b>           | Real-Time UML                                     |
| <b>Subtitle</b>        | Developing Efficient Objects For Embedded Systems |
| <b>Edition</b>         |   |
| <b>Publisher</b>       |   |
| <b>ISBN</b>            | 0-201-65784-8                                     |

---

## Notes

This module provides the students with the necessary skills to analyse business hardware and software requirements of an enterprise DBMS.