Liverpool John Moores University

Title: DATABASE TECHNOLOGIES 2

Status: Definitive

Code: **5049BUSIS** (108225)

Version Start Date: 01-08-2011

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

Team	emplid	Leader
Terry Murray		Υ

Academic Credit Total

Level: FHEQ5 Value: 12.00 Delivered 36.00

84

Hours:

Total Private Learning 120 Study:

Learning Hours:

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Workshop	36.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Coursework (individual)	100.0	_

Aims

To provide the students with the necessary skills to analyzing the business, hardware and software requirements of enterprise database systems.

To introduce the students to the setup and administration of SQL Server Database 2005(2008) using MOC based training material.

To proved the students with hands on experience of, installing, and administering an enterprise dbms (SQL Server 2005 or SQL Server 2008).

Learning Outcomes

After completing the module the student should be able to:

- Access and analyze the hardware and software requirements of setting up an enterprise dbms.
- 2 Differentiate between OLAP's and OLTP's.
- 3 Understand basic reports using SQL.
- 4 Produce basic reports using SQL Server management interface.
- 5 Setup and administer an enterprise DBMS.

Learning Outcomes of Assessments

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

CW 1 2 3 4 5

Outline Syllabus

Introduction/ Revision of SQL SQL Case Study Introduction to Enterprise Databases OLTP and OLAP Enterprise Database Administration Database Security an Enterprise perspective

Learning Activities

The module will be be delivered using MOC based material for 2780B Maintaining a Microsoft SQL Server Database 2005(2008). Students will have ands on access to a complete suite of virtual servers covering all aspects of Enterprise DBMS administration.

References

Course Material	Book
Author	Date, C J
Publishing Year	2000
Title	An Introduction to Database Systems
Subtitle	
Edition	
Publisher	Addison Wesley
ISBN	0-201-38590-2

Course Material	Book
Author	Dusan, P
Publishing Year	0

Title	Microsoft's SQL Sever 2008
Subtitle	A Beginners Guide
Edition	
Publisher	MCGraw Hill
ISBN	978-0-07-154638

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

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

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

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

Course Material	Book
Author	Bouch, Jacobson and Rumbaugh
Publishing Year	0
Title	The Unifed Modeling Language Guide

Subtitle	
Edition	
Publisher	Addison Wesley
ISBN	0-201-57169-4

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

Course Material	Book
Author	Bruce, Powel and Douglas
Publishing Year	0
Title	Real-Time UML
Subtitle	Developing Efficent Objects For Embeded Systems
Edition	
Publisher	
ISBN	0-201-65784-8

Notes

This module introduces to teh students teh set up and administration of SQL Server Database.