

Global Learning Semesters

Course Syllabus

Course: MBA-732 Database Management Systems

Department: MBA

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
MBA-732	Database Management Systems	3.7
Semester Offered	Contact Hours	Prerequisites
Summer	42	Completion of at least half of the Core Courses
Department	Level of Course	Language of Instruction
MBA	Upper Division	English

Course Description

1. Analyze business requirements and produce a viable model and implementation of a database to meet such requirements.
2. Describe the features of a Database Management System (DBMS) and its use within an organization.
3. Collect and structure information in the development of requirements and specifications.
4. Analyze business problems and model the database solution using Entity Relationship Diagrams.
5. Build and update a database structure, using Structure Query Language (SQL) and Oracle.
6. Create the logical and physical design of a database system.
7. Describe the impact of client-server architectures on DBMS.
8. Analyze business problems and model the database solution using Object Oriented Diagrams.
9. Understand Data Warehousing and Customer Relationship Management applications.
10. Analyze the development of a database application from the database structure to the user interface.

Instructor

Dr. Philippos Pouyioutas

Course Aims and Objectives

This course provides a structured framework for database analysis, design, implementation and administration..

Teaching Methods

The course is delivered through a mixture of lectures, tutorials and practical exercises and assignments.
Course Teaching Hours

Course Teaching Hours

42 hours (lectures/presentations). The course is delivered during the summer session (10 days module).

Evaluation and Grading

Mid-Term: 40%
Final Assignment: 50%
Participation: 10%

Readings and Resources

Required Textbook

Hoffer, J., Prescott, M. and McFadden, F. (2002). Modern Database Management, Sixth Edition, Prentice Hall, ISBN 0-13-042355-6

Recommended Reading

Galemmo, N., Imhoff, C. and Geiger, J. (2003). Mastering Data Warehouse Design: Relational and Dimensional Techniques, John Wiley & Sons, ISBN: 0-47132-421-3