



IIS405 Course Definition File

1. Basic Information:

Course Name	Oracle Database Administration I
Course ID	IIS405
Contact Hours (Registered Sessions)	18
Contact Hours (Synchronized Sessions)	18
Mid Term Exam	NO
Exam	YES (75 min)
Registered Sessions Work Load	36
Synchronized Session Work Load	18
Credit Hours	6

2. Pre-Requisites:

Course	ID
Database Architecture and Design	IIS202
English Level 3	Eng3

3. Course General Objectives:

This course introduces students to the responsibilities of an Oracle11g database administrator (DBA). The student will learn the underlying architecture of the Oracle database server and the essential tasks required to manage database installations such as how to start up and shut down an Oracle instance. He/She will also learn the components that comprise a database, practice creating a database, manage database objects, reorganize data, and implement security measures.

4. Intended Learning Outcomes (ILO):

Learning Outcomes codes	Learning Outcomes
LO1	Understand Oracle server architecture and components
LO2	Learn how to install Oracle software and plan & create Oracle database
LO3	Understand Oracle storage structure
LO4	Understand and practice Oracle security features
LO5	Learn how to manage schema objects, data using DML language and concurrency
LO6	Practice Oracle administration skills

5. Course Syllabus:

LO	Course Syllabus	Recorded Sessions	Synchronized Sessions	Type	Additional Notes
LO1	CH1: Oracle Database Architecture	2	1	Exercises Assignments Seminars Projects Practices Others	
LO2	CH2: Preparing the Database Environment CH3: Creating an Oracle Database	0	2	Exercises Assignments Seminars Projects Practices Others	
LO3	CH7: Managing Database Storage Structures	2	1	Exercises Assignments Seminars Projects Practices Others	
LO4	CH8: Managing User Security CH11: Implementing Oracle Database Security	2	2	Exercises Assignments Seminars Projects Practices Others	

LO5	Ch9: Managing Schema Objects CH10: Managing Data and Concurrency	2	3	Exercises Assignments Seminars Projects Practices Others	
LO6	CH4: Managing the Oracle Instance CH5: Managing Control and Redo log files CH6: Configuring the Oracle Network Environment	4	3	Exercises Assignments Seminars Projects Practices Others	

6. Assessment Criteria (Related to ILOs)

LO Code	LO	Intended Results	Assessment Type				
			Interactive Synchronized Collaboration	Practice	Exams	Presentations And Face-to-Face Assessments	Reports
LO1	Understand Oracle server architecture and components		x		x		x
LO2	Learn how to install Oracle software and plan & create Oracle database		x	x	x		x
LO3	Understand Oracle storage structure		x	x	x		x
LO4	Understand and practice Oracle security features		x	x	x		x

LO5	Learn how to manage schema objects, data using DML language and concurrency		x	x	x		x
LO6	Practice Oracle administration skills		x	x	x		x

7. Practice Tools:

Tool Name	Description
Moodle	
Virtual Class	
Oracle 11g R2	Using Enterprise manager, database configuration assistant and SQL*PLUS

8. Main References

1. Oracle Database Documentation Library 11g Release2:
<http://www.oracle.com/pls/db112/homepage>
2. OCA Oracle Database 11g Administration I Exam Guide (Exam 1Z0-052), Oracle Press
3. Oracle Database 11g Administration Workshop I Release 2
4. <http://ampersandacademy.com/tutorials/category/oracle-administration-part-i/>

9. Additional References

<http://www.oracle-database-11g.com>

<http://www.beyondoracle.com/>

<http://www.oracle-base.com/articles/11g/articles-11g.php>

<http://searchoracle.techtarget.com/>

<http://www.databasejournal.com/features/oracle/>