

Note:

Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form, and should not be used to purchase course materials.

COURSE SYLLABUS

CSIS 328

ADVANCED ORACLE

COURSE DESCRIPTION

This course introduces the advanced topics of database administration in Oracle. Multi-dimensional databases for Business Intelligence applications will be examined as well. (Formerly BMIS 327)

RATIONALE

Businesses rely upon database management systems to operate successfully in competitive markets. Oracle Corporation is a global leader and provider of database systems. Students should gain a basic knowledge of creating and administering Oracle database systems.

I. PREREQUISITE

For information regarding prerequisites for this course, please refer to the [Academic Course Catalog](#).

II. REQUIRED RESOURCE PURCHASE

Click on the following link to view the required resource(s) for the term in which you are registered: <http://bookstore.mbsdirect.net/liberty.htm>

III. ADDITIONAL MATERIALS FOR LEARNING

- A. Computer with basic audio/video output equipment
- B. Internet access (broadband recommended)
- C. Blackboard [recommended browsers](#)
- D. Microsoft Office

IV. MEASURABLE LEARNING OUTCOMES

Upon successful completion of this course, the student will be able to:

- A. Discuss the relevance of course material and integration of technology to a Biblical worldview.
- B. Describe Oracle database architecture.
- C. Build an Oracle database.
- D. Administer an Oracle database.

- E. Configure an Oracle database for an application.
- F. Control Oracle database access.
- G. Construct Oracle database backups and recoveries.

V. COURSE REQUIREMENTS AND ASSIGNMENTS

- A. Resource readings
- B. Course Requirements Checklist
 After reading the Syllabus and [Student Expectations](#), the student will complete the related checklist found in Module/Week 1.
- C. Discussion Board Forums (4)
 There will be 4 Discussion Board Forums throughout this course. The student is required to provide a thread in response to the provided topic for each forum.
- D. Oracle Database Assignment (9)
 The student will be required to complete applicable assignments to database administration. The student will install, create, administer, and configure an Oracle database for applications. Assignments will require complete programming code, server scripts, and applicable screenshots of the database server running on the student’s machine.
- E. Midterm Exam
 The Midterm Exam will be open-book/open-notes, contain 50 multiple-choice questions.
- F. Final Exam
 The Final Exam will be open-book/open-notes, contain 50 multiple-choice questions, and have a 60-minute time limit. The final exam will assess students on lessons 9–18 in the Oracle eKit curriculum. The exam will be due in Module/Week 8.

VI. COURSE GRADING AND POLICIES

A. Points

Course Requirements Checklist	10
Discussion Board Forums (4 at 20 pts ea)	80
Oracle Database Assignments (7 at 80 pts, 2 at 30 pts)	620
Midterm Exam (Modules/Weeks 1–4)	150
Final Exam (Modules/Weeks 5–8)	150
Total	1010

- B. Scale
 A = 900–1000 B = 800–899 C = 700–799 D = 600–699 F = 0–599

C. Policies

Academic Dishonesty and Plagiarism

Students are expected to uphold Liberty University's policies on academic dishonesty and plagiarism. All work is expected to be original for the purpose of this course.

D. Disability Assistance

Students with a documented disability may contact Liberty University Online's Office of Disability Accommodation Support (ODAS) at LUOODAS@liberty.edu to make arrangements for academic accommodations. Further information can be found at www.liberty.edu/disabilitysupport.

VII. BIBLIOGRAPHY

Watson, J. (2008). *OCA Oracle database 11g: Administration I: Exam guide (exam 1Z0-052)*. New York, NY: Oracle Press.

Watson, J., & Ramklass, R. (2008). *OCA/OCF Oracle database 11g all-in-one exam guide (exam 1Z0-051, 1Z0-052, and 1Z0-053)*. New York: Oracle Press.

COURSE SCHEDULE

CSIS 328

Oracle eKit

Oracle Database: 11g Administration Workshop I.

MODULE/ WEEK	READING & STUDY	ASSIGNMENTS	POINTS
1	Oracle eKit: Lessons 1–2 Oracle Database: 11g Administration I 1 presentation	Course Requirements Checklist Class Introductions Oracle Database Assignment 1 Oracle Database Assignment 2	10 0 30 30
2	Oracle eKit: Lessons 3–4 Oracle Database: 11g Administration I 1 presentation	DB Forum 1 Oracle Database Assignment 3	20 80
3	Oracle eKit: Lessons 5–6 Oracle Database: 11g Administration I 1 presentation	DB Forum 2 Oracle Database Assignment 4	20 80
4	Oracle eKit: Lessons 7–8 Oracle Database: 11g Administration I 1 presentation	Oracle Database Assignment 5 Midterm Exam	80 150
5	Oracle eKit: Lessons 9–11 Oracle Database: 11g Administration I 1 presentation	DB Forum 3 Oracle Database Assignment 6	20 80
6	Oracle eKit: Lessons 12–13 Oracle Database: 11g Administration I 1 presentation	DB Forum 4 Oracle Database Assignment 7	20 80
7	Oracle eKit: Lessons 14–16 Oracle Database: 11g Administration I 1 presentation	Oracle Database Assignment 8	80
8	Oracle eKit: Lessons 17–18 Oracle Database: 11g Administration I 1 presentation	Oracle Database Assignment 9 Final Exam	80 150
TOTAL			1010

DB = Discussion Board

NOTE: Each course week (except Module/Week 1) begins on Tuesday morning at 12:00 a.m. (ET) and ends on Monday night at 11:59 p.m. (ET). The final week ends at 11:59 p.m. (ET) on Friday.