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


## COURSE SCHEDULE

**CSIS 328**

Oracle eKit
Oracle Database: 11g Administration Workshop I.

<table>
<thead>
<tr>
<th>MODULE/WEEK</th>
<th>READING &amp; STUDY</th>
<th>ASSIGNMENTS</th>
<th>POINTS</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Oracle eKit: Lessons 1–2&lt;br&gt;Oracle Database: 11g Administration I 1 presentation</td>
<td>Course Requirements Checklist&lt;br&gt;Class Introductions&lt;br&gt;Oracle Database Assignment 1&lt;br&gt;Oracle Database Assignment 2</td>
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<td>2</td>
<td>Oracle eKit: Lessons 3–4&lt;br&gt;Oracle Database: 11g Administration I 1 presentation</td>
<td>DB Forum 1&lt;br&gt;Oracle Database Assignment 3</td>
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<td>3</td>
<td>Oracle eKit: Lessons 5–6&lt;br&gt;Oracle Database: 11g Administration I 1 presentation</td>
<td>DB Forum 2&lt;br&gt;Oracle Database Assignment 4</td>
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<td>4</td>
<td>Oracle eKit: Lessons 7–8&lt;br&gt;Oracle Database: 11g Administration I 1 presentation</td>
<td>Oracle Database Assignment 5&lt;br&gt;Midterm Exam</td>
<td>80 150</td>
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<tr>
<td>5</td>
<td>Oracle eKit: Lessons 9–11&lt;br&gt;Oracle Database: 11g Administration I 1 presentation</td>
<td>DB Forum 3&lt;br&gt;Oracle Database Assignment 6</td>
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<td>6</td>
<td>Oracle eKit: Lessons 12–13&lt;br&gt;Oracle Database: 11g Administration I 1 presentation</td>
<td>DB Forum 4&lt;br&gt;Oracle Database Assignment 7</td>
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<td>7</td>
<td>Oracle eKit: Lessons 14–16&lt;br&gt;Oracle Database: 11g Administration I 1 presentation</td>
<td>Oracle Database Assignment 8</td>
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<td>8</td>
<td>Oracle eKit: Lessons 17–18&lt;br&gt;Oracle Database: 11g Administration I 1 presentation</td>
<td>Oracle Database Assignment 9&lt;br&gt;Final Exam</td>
<td>80 150</td>
</tr>
</tbody>
</table>

**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.