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 327
INTRODUCTION TO ORACLE

COURSE DESCRIPTION
This course introduces the fundamentals of database design using an Oracle platform. Database administration will be introduced as well as the basic concepts of data manipulation in an Oracle environment. (Formerly BMIS 326)

RATIONALE
Businesses rely upon database management systems to operate successfully in competitive markets. Oracle is an industry leader in the world’s most advanced database management systems. It is essential for students to learn how to use programming languages to access and manipulate data in the foremost database management systems.

I. PREREQUISITES
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. RECOMMENDED RESOURCE PURCHASE

IV. ADDITIONAL MATERIALS FOR LEARNING
A. Computer
B. Internet access (broadband recommended)
C. Microsoft Word
   (Microsoft Office is available at a special discount to Liberty University students.)
V. **Measurable Learning Outcomes**

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

A. Describe the structured query language (SQL) fundamentals of Oracle databases.

B. Manipulate data in an Oracle database using SQL expressions, clauses, operations and functions.

C. Write advanced SQL sub queries, set operators, sequences, and views to solve business problems.

D. Use the data manipulation language (DML) and data definition language (DDL) to control databases and tables.

E. Discuss the relevance of course material and the use of technology to a biblical worldview.

VI. **Course Requirements and Assignments**

A. Textbook 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)

   In Modules/Weeks 1–3 and 6, the student will answer questions in Discussion Board Forums. The student must post a thread of 250 words in length and a 100-word reply to at least 2 classmates’ threads.

D. Assignments (11)

   At the end of each lesson in Modules/Weeks 1–7, the student will be required to answer applicable questions. To answer the questions, the student will need to setup and configure his/her Oracle database and the tables associated with the exercises. Programming code will be written against his/her local database.

E. Database Project

   Throughout each module/week of the course, the student will design and create an Oracle database system. The system must meet a current business need that is appropriate to the learned course content. Upon completion of design and creation, the student will write relevant business reports that allow the business to track key performance indicators. All components will be compiled into one final submission.

F. Exams (2)

   The Midterm Exam will be administered in Module/Week 4 and will assess student comprehension of Oracle eKit material from Lessons 1–6. The Final Exam will be administered in Module/Week 8 and will assess student comprehension of Oracle eKit material from Lessons 7–11.
VII. Course Grading and Policies

A. Points

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Requirements Checklist</td>
<td>10</td>
</tr>
<tr>
<td>Discussion Board Forums (4 at 25 pts ea)</td>
<td>100</td>
</tr>
<tr>
<td>Assignments (10 at 25 pts ea, 1 at 50 pts ea)</td>
<td>300</td>
</tr>
<tr>
<td>Database Project</td>
<td>200</td>
</tr>
<tr>
<td>Midterm Exam (Modules 1–4)</td>
<td>200</td>
</tr>
<tr>
<td>Final Exam (Modules 5–8)</td>
<td>200</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1010</td>
</tr>
</tbody>
</table>

B. Scale

- A = 900–1010
- 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 Academic Support (ODAS) at LUOODAS@liberty.edu to make arrangements for academic accommodations. Further information can be found at www.liberty.edu/disabilitysupport.

VIII. Bibliography


# Course Schedule

**CSIS 327**

Oracle eKit for Oracle Database 11g: Administration I, Exam Number: 1Z0-052
Certification: Oracle Database 11g Administrator Certified Associate

<table>
<thead>
<tr>
<th>MODULE/WEEK</th>
<th>READING &amp; STUDY</th>
<th>ASSIGNMENTS</th>
<th>POINTS</th>
</tr>
</thead>
</table>
| 1           | eKit: Appendices B–C, Introduction, and Lesson 1  
             Database: 11g – SQL Fundamentals 1  
             1 presentation | Course Requirements Checklist  
             DB Forum 1  
             Assignment 1 | 10  
               25  
               25 |
| 2           | eKit: Appendix D and Lessons 2–3  
             Database: 11g – SQL Fundamentals 1  
             1 presentation | DB Forum 2  
             Assignment 2  
             Assignment 3 | 25  
               25  
               25 |
| 3           | eKit: Lessons 4–5  
             Database: 11g – SQL Fundamentals 1  
             1 presentation | Assignment 4  
             Assignment 5 | 25  
               25 |
| 4           | eKit: Appendix F and Lesson 6  
             Database: 11g – SQL Fundamentals 1  
             1 presentation | Assignment 6  
             Midterm Exam | 25  
               200 |
| 5           | eKit: Lessons 7–8  
             Database: 11g – SQL Fundamentals 1  
             1 presentation | Assignment 7  
             Assignment 8 | 25  
               25 |
| 6           | eKit: Lesson 9  
             Database: 11g – SQL Fundamentals 1  
             1 presentation | DB Forum 4  
             Assignment 9 | 25  
               50 |
| 7           | eKit: Lesson 10  
             Database: 11g – SQL Fundamentals 1  
             1 presentation | Assignment 10  
             Assignment 11 | 25  
               25 |
| 8           | eKit: Lesson 11  
             Database: 11g – SQL Fundamentals 1  
             1 presentation | Database Project  
             Final Exam | 200  
               200 |

**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.