COURSE SYLLABUS

ITSE 1345 73427
Introduction to Oracle SQL 11g
Spring 2017
Workforce, Business, & Technology
(972) 273-3450/ Room T135
M-R 8:00am-6:00pm, F 8:00 -4:30pm

This course syllabus is intended as a set of guidelines for ITSE 1345. Both North Lake College and your instructor reserve the right to make modifications in content, schedule, and requirements as necessary to promote the best education possible within prevailing conditions affecting this course.

Instructor Information:
Name: Danny Deaver
Email: dhdeaver@yahoo.com (email messages will be responded to within 24 hours)
dhdeaver@dccc.edu (email messages will be responded to within 48 hours)

Phone: 214-668-2529 (please only call this number between 6:00 pm and 10:00 pm)
Office: T135
Office Hours: Online

Course Information
Course title: Introduction to Oracle 11g SQL
Course number: ITSE 1345
Section number: 73427
Credit hours: 3
Class meeting time: Lecture TR 6:00 – 7:50PM
                     Lab    TR 8:00 – 9:50PM
Drop Date: 28-APRIL-2017
Course description: ITSE 1345 Introduction to Oracle SQL (3)

ITSE 1345 Introduction to Oracle 11g SQL (3)
This course is an introduction to the basis of Structure Query Language (SQL) using the Oracle Relational Database software 11g.

Course Prerequisites:
None

Course Objectives:

- Employ SQL functions to generate and retrieve customized data
- Display data from multiple tables using the ANSI SQL 99 JOIN syntax
- Identify the major structural components of the Oracle Database 11g
- Create reports of aggregated data
- Write SELECT statements that include queries
- Retrieve row and column data from tables with the SELECT statement
- Run data manipulation statements (DML) to update data in the Oracle Database 11g
- Create tables to store data
- Utilize views to display and retrieve data
- Create other schema objects
- Use sub-queries
- Create reports of sorted and restricted data

Specific Learning Objectives:

- Create reports of sorted and restricted data
- Run data manipulation statements (DML) to update data
- Manage schema objects
- Retrieve row and column data from tables

Specific Course Learning Outcomes

- Introducing Oracle Database 11g
- Retrieving Data Using the SQL SELECT Statement
- Restricting and Sorting Data
- Using Single-Row Functions to Customize Output
- Using Conversion Functions and Conditional Expressions
- Reporting Aggregated Data Using the Group Functions
- Displaying Data From Multiple Tables
- Using Sub-queries to Solve Queries
- Using the SET Operators
- Manipulating Data
- Using DDL Statements to Create and Manage Tables
- Creating Other Schema Objects
Course Outline:

See Appendix A.

Means of Assessment of Course Learning Outcomes

Assessment methods may include the following:
- Quizzes
- Exams / Tests
- Course Project (written and verbal communication)
- Lab Assignments (hands on)
- Discussion / Participation / Group Work

Taking Quizzes / Final Exam:

Your instructor will provide instructions regarding your tests prior to Fundamentals I Quiz. All tests will be posted online and completed online by the student. Once the quiz or Final Exam has been finished – it will be automatically graded – and the wrong answers will be displayed to the student. The student will have only one (1) chance to complete each quiz and the Final Exam. You are not required to come to campus.

Project Work:

To apply principles learned in course and show the ability to create database objects and reports. Project requirement will be distributed to the students at the beginning of the course.

Evaluation Procedures:

<table>
<thead>
<tr>
<th>Method</th>
<th>Number of</th>
<th>Points ea.</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final Exam</td>
<td>1</td>
<td>100</td>
<td>100</td>
<td>25</td>
</tr>
<tr>
<td>Exam</td>
<td>2</td>
<td>100</td>
<td>200</td>
<td>25</td>
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<tr>
<td>Intro thru Chp 5</td>
<td></td>
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<td>25</td>
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<tr>
<td>Chp 6 thru Chp</td>
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<td>25</td>
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<tr>
<td>11</td>
<td></td>
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<td></td>
<td>25</td>
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<tr>
<td>Practice Quizzes</td>
<td>12</td>
<td>1 @ 8 pts,</td>
<td>118</td>
<td>12</td>
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<td></td>
<td></td>
<td>11@ 10 pts</td>
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<tr>
<td>Project Work</td>
<td>1</td>
<td>8 pts</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Attendance</td>
<td>8</td>
<td>1</td>
<td>8</td>
<td>5</td>
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</tbody>
</table>

Exams and Assignments:

<table>
<thead>
<tr>
<th>Method</th>
<th>Number of</th>
<th>Type of Exam</th>
<th>Type of Assignment</th>
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<tbody>
<tr>
<td>Final Exam</td>
<td>1</td>
<td>Hands on</td>
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<tr>
<td>Exams</td>
<td>2</td>
<td>Hands on</td>
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<tr>
<td>Practice Quizzes</td>
<td>12</td>
<td>Hands on</td>
<td></td>
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<tr>
<td>Lab Assignments</td>
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<td>Hands on</td>
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<tr>
<td>Discussion / Participation</td>
<td>Continuous</td>
<td>Effective verbal communication Ability to work with others</td>
<td></td>
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<tr>
<td>Project Work</td>
<td>1</td>
<td>Hands on</td>
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**Grading Scale:**

Letter grades will be determined using an accumulation of points as outlined below. Grades WILL NOT be curved after the total semester points have been tabulated. There is no EXTRA CREDIT for this course.

<table>
<thead>
<tr>
<th>Points</th>
<th>Letter Grade</th>
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<tbody>
<tr>
<td>90 – 100</td>
<td>A</td>
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<tr>
<td>80 – 89</td>
<td>B</td>
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<tr>
<td>70 – 79</td>
<td>C</td>
</tr>
<tr>
<td>60 – 69</td>
<td>D</td>
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<tr>
<td>Below 60</td>
<td>F</td>
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</table>

**Calculation of Final Grade**

1. Multiply Fund I Exam 1 grade by .25
2. Multiply Fund I Exam 2 grade by .25
3. Multiply Final Exam grade by .25
4. Take total Attendance Points divide by 8 multiply by 100 then multiply by .05
5. Take each Quiz Grade divide by total Quiz Points multiply by 100 then multiply .01 – repeat for each Quiz
6. Take Project Work Points divide by 8 multiply by 100 then multiply by .08
7. Add up the numbers calculated in steps 1, 2, 3, 4, 5, and 6 to arrive at final grade.
## Course Schedule (may be modified at the discretion of the instructor)

### Course Lessons/Quiz / Project / Exam Dates

<table>
<thead>
<tr>
<th>Week</th>
<th>SQL Fundamentals I</th>
<th>SQL Fundamentals II</th>
<th>SQL Fundamentals I</th>
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</thead>
<tbody>
<tr>
<td>Week 1</td>
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<tr>
<td></td>
<td>Intro</td>
<td>Lesson 1: Retrieving Data Using the SQL Select Statement</td>
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<td></td>
<td>Lesson 1: Retrieving Data Using the SQL Select Statement</td>
<td>Complete Practice Quiz for Intro, Lesson 1 *** by 9:00 pm</td>
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<tr>
<td>Week 2</td>
<td>SQL Fundamentals I</td>
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<td></td>
<td>Lesson 2: Restricting and Sorting Data</td>
<td>Lesson 3: Using Single-Row Functions to Customize Output</td>
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<td></td>
<td>Complete Practice Quiz for Lesson 2 &amp; 3 *** by 9:00 pm</td>
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<tr>
<td>Week 3</td>
<td>SQL Fundamentals I</td>
<td></td>
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<td></td>
<td>Lesson 4: Using Conversion Functions and Conditional Expressions</td>
<td>Lesson 5: Reporting Aggregated Data using the Group Functions</td>
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<td></td>
<td>Complete Practice Quiz for Lesson 4 &amp; 5 *** by 9:00 pm</td>
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<td>Week 4</td>
<td>SQL Fundamentals I</td>
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<td></td>
<td>Take Fundamentals I Exam (Intro – Lesson 5) (Online)</td>
<td>Lesson 6: Displaying Data from Multiple Tables</td>
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<td></td>
<td>Complete Practice Quiz for 6 and Fund I Exam 1 *** by 9:00 pm</td>
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<tr>
<td>Week 5</td>
<td>SQL Fundamentals II</td>
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<td>Lesson 7: Using Subqueries to Solve Queries</td>
<td>Lesson 8: Using the SET Operators</td>
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<td></td>
<td>Complete Practice Quiz for Lesson 7, &amp; 8 *** by 9:00 pm</td>
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<tr>
<td>Week 6</td>
<td>SQL Fundamentals I</td>
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<td></td>
<td>Lesson 9: Manipulation Data</td>
<td>Lesson 10: Using DDL Statements to Create and Manage Tables</td>
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<td></td>
<td>Complete Practice Quiz for Lesson 9, 10 *** by 9:00 pm</td>
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<tr>
<td>Week 7</td>
<td>SQL Fundamentals I</td>
<td></td>
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<td></td>
<td>Lesson 11: Creating Other Schema Objects</td>
<td>Complete / Turn in Project Work</td>
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<td></td>
<td>Complete Practice Quiz for Lesson 11, Project Work *** by 9:00 pm</td>
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### Notes:
All Practice Quizzes, Project Work, and Exams must be completed by the date and time specified above. No late work will be accepted.
SPECIFIC COURSE INFORMATION

Required Textbooks and Materials:
All required Oracle Student Guides are supplied in an electronic format. The course material will be available on the course website in PDF format. The student is responsible for downloading and/or printing these guides from the course website.

Required Software:
Oracle SQL Developer - (free download from www.oracle.com – or can download from Ecampus course website)
Adobe Acrobat (or PDF file viewer)

Optional Software
Oracle Database 11g - (free download from www.oracle.com – this is optional)

Course Account:
- SQL Developer: Provided by instructor
- Username: (provided by instructor)
- Password: (provided by instructor)
- Connection Identifier: (provided by instructor)

Email will be sent to each student with the username, password, and connection identifier assigned to that student (for online students only), oncampus students will receive this information during class.

Project Requirements
This project will help you bring together all of the concepts that will be presented in the course and help you practice your new Oracle SQL skills. This project will show your understanding of how to create Oracle Objects and Reports utilizing the various features of Oracle 11g SQL:

1. Create a Demo Sales System (you pick what your product will be) that includes the following:

   General SQL Requirements:
   1. SQL commands are to be developed utilizing SQL Developer Software - once you have created your sql statements and tested them – utilize the "File Save As" to save them as an *.sql file
   2. File Naming structure
Specific SQL Requirements:

1. **ER Diagram** (can be created using MS Word, Visio, MS Excel, Paint)
   a. Showing Table Names and relationships between tables
   b. Column Names and characteristics (data type, primary key, foreign key)

2. **Tables** (3 minimum)
   a. Product Table
      required sql file
   b. Customer Tables
      required sql file
   c. Sales Table
      required sql file
   d. Tables are to include the following types of constraints
      1. Primary Key
      2. Foreign Key
      3. Not Null
      4. Check Constraints
   e. Insert statements to load data into each table (all insert statements for each table in 1 file)
      1. Product Table – minimum of 5 products (5 insert stmts – 1 file)
         required sql file
      2. Customer Table – minimum of 10 customers (10 insert stmts – 1 file)
         required sql file
      3. Sales Table – minimum of 25 sales entries (25 insert stmts – 1 file)
         required sql file
         (1 – 2 entries per customer with 1 customer with 5 entries)
      4. Do not use SUBSTITUTION VARIABLES in these statements

3. Sql to enter or delete a record from a table using Substitution Variables
   required sql file

4. Sql to create a Complex VIEW required sql file

5. Sql to create two reports
   a. Create a Customer Report
      required sql file
   b. Create a Sales Report
      required sql file
   c. Each report must include at least two of the following
      1. single_row function
      2. conversion function
      3. grouping function
      4. table join
      5. conditional expression
      6. subquery
      7. set operator

6. Separate file for each objects / set of commands
Required Files:

- `<last_name>_<first_name>_create_customer_<xx>.sql`
- `<last_name>_<first_name>_create_product_<xx>.sql`
- `<last_name>_<first_name>_create_sales_<xx>.sql`
- `<last_name>_<first_name>_insert_customer_<xx>.sql`
- `<last_name>_<first_name>_insert_product_<xx>.sql`
- `<last_name>_<first_name>_insert_sales_<xx>.sql`
- `<last_name>_<first_name>_substitution_var_<xx>.sql`
- `<last_name>_<first_name>_crview_<view_name>_<xx>.sql`
- `<last_name>_<first_name>_customer_report_<xx>.sql`
- `<last_name>_<first_name>_sales_report_<xx>.sql`
- `<last_name>_<first_name>_er_diagram.<????>`

Where `<last_name>` = Your Last Name  
`<first_name>` = Your First Name  
`<xx>` = the sequence number that the script is supposed to be run in

Should start with 01 and increment by 1 – the sequence is critical when creating and loading tables due to dependency on foreign keys  
`<????>` = file type depending on which software you create your ER diagram with

All files are to be compressed into a ZIP file with a naming structure as follows:  
2010S1_ITSE_1345_7426_<last_name>_<first_name>_Project.zip

Email completed project to dhdeaver@yahoo.com by the stated deadline.

Email Attachment Policy:
The types of attachments (file formats) that will be accepted are the following:
1. MS Word Document (*.DOC)
2. Plain Text File (*.TXT)
3. Rich Text File (*.RTF)
4. MS Excel Spreadsheet (*.XLS)

Attendance:

On campus
A student’s attendance in class usually corresponds closely to that student’s grade in the class. For that reason, attendance is pertinent to the success of the course. It is imperative to attend all classes. Please note, attendance alone does not guarantee student success.

Online
A student’s attendance in class usually corresponds closely to that student’s grade in the class. In an online course, it is very easy to become inactive. For this reason, I require that you send me an email at least one time a week. I ask that you tell me what you are working on and if you have any questions that I could help you with. Sunday night at
midnight is the deadline for checking in for attendance each week. If you have contacted me during the week – an email is not required for attendance purposes.

**Discipline/ Course/ Department/Policies**

_These policies may consist of a variety of discipline/program specific policies not appropriate for every discipline including but not limited to the following examples:_

- Respect for your fellow classmates and your instructor must be demonstrated.
- Attendance is required.
ACADEMIC DISHONESTY
The Student Code of Conduct prohibits academic dishonesty and prescribes penalties for violations. According to this code, which is printed in the college catalog, "academic dishonesty", includes (but is not limited to) cheating, fabrication, facilitating academic dishonesty, plagiarism, and collusion.

1) The Vice-President of Academic & Student Affairs may initiate disciplinary proceedings against a student accused of academic dishonesty.
2) Academic dishonesty includes, but is not limited to, cheating on a test, plagiarism and collusion.
3) Cheating on a test includes:
   a) Copying from another student’s test paper;
   b) Using, during a test, materials not authorized by the person giving the test;
   c) Collaborating with another student during a test without permission to do so;
   d) Knowingly using, buying, selling, stealing, transporting, or soliciting in whole or part the contents of an un-administered test.
   e) Substituting for another student, or permitting another student to substitute for you to take a test; and
   f) Bribing another person to obtain an unadministered test or information about an unadministered test.
4) “Plagiarism” means the appropriation of another’s work (ideas and/or words) and the unacknowledged incorporation of that work in one’s written work offered for credit. Quotes not identified as quotes constitute a form of plagiarism even if the borrowed ideas are documented.
5) “Collusion” means an unauthorized collaboration with another person in preparing written work offered for credit.

Academic dishonesty may result in the following sanctions, including, but not limited to:
1. A grade of zero or a lowered grade on the assignment or course.
2. A reprimand.
3. Suspension from the college.

NOTIFICATION OF ABSENCE DUE TO RELIGIOUS HOLY DAY(S)
Students who will be absent from class for the observance of a religious holiday must notify the instructor in advance. Please refer to the Student Obligations section of the college catalog for more explanation. You are required to complete any assignments or take any examinations missed as a result of the absence within the time frame specified by your instructor.

REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (A430)
North Lake College provides academic accommodations to students with disabilities, as defined under ADA law. It is the student’s choice and responsibility to initiate any request for accommodations. If you are a
student with a disability who requires such ADA accommodations, please contact North Lake College’s Disability Services Office in person (A430) or by phone at 972-273-3165.
http://www.northlakecollege.edu/resources/disability.html

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974 (FERPA)
In compliance with the Family Educational Rights and Privacy Act of 1974 (FERPA), the College may release information classified as “directory information” to the general public without the written consent of the student. Directory information includes: (1) student name, (2) student address, (3) telephone numbers, (4) date and place of birth, (5) weight and height of members of athletic teams, (6) participation in officially recognized activities and sports, (7) dates of attendance, (8) educational institution most recently attended, and (9) other similar information, including major field of student and degrees and awards received. Students may protect their directory information at any time during the academic year. If no request is filed, directory information is released upon written inquiry. No telephone inquiries are acknowledged. No transcript or academic record is released without written consent from the student, except as specified by law.

ADMINISTRATIVE WITHDRAWAL
Students with valid extenuating circumstances may be eligible for an administrative withdrawal by the Dean of the Division in which the course or courses are taught. An administrative withdrawal will not be awarded to students who simply fail to withdraw prior to the last day to receive a “W.” The request for an administrative withdrawal must be made in writing to the Dean of the Division with any supporting documentation attached. This must occur before the last official day of the semester.

DROP POLICY
If you are unable to complete this course, you must officially withdraw by: 28-APRIL-2017. Withdrawing is a formal procedure which you must initiate; your instructor cannot do it for you. All Dallas County Community Colleges charge a higher tuition rate to students registering the third time for a course. This rule applies to the majority of credit and Continuing Education / Workforce Training courses. Developmental Studies and some other courses are not charged a higher tuition rate. Third attempts include courses taken at any DCCCD college since the fall 2002 semester. For further information, go online to:
http://www.DCCCD.edu/thirdcourseattempt

STOP BEFORE YOU DROP
For students who enrolled in college level courses for the first time in the fall of 2007, Texas Education Code 51.907 limits the number of courses a student may drop. You may drop no more than 6 courses during your entire undergraduate career unless the drop qualifies as an exception. Your campus counseling/advising center will give you more information on the allowable exceptions. Remember that once you have accumulated 6 non-exempt drops, you cannot drop any other courses with a “W.” Therefore, please exercise caution when dropping courses in any Texas public institution of higher learning, including all seven of the Dallas County Community Colleges. For more information, you may access: https://www1.dcccd.edu/coursedrops

FINANCIAL AID STATEMENT AND CERTIFICATION OF ATTENDANCE
You must attend and participate in your on-campus or online course(s) in order to receive federal financial aid. Your instructor is required by law to validate your attendance in your on-campus or online course in order for you to receive financial aid. You must participate in an academic related activity pertaining to the course such as but not limited to the following examples:

- initiating contact with your instructor to ask a question about the academic subject studied in the course;
- submitting an academic assignment;
• taking an exam;
• completing an interactive tutorial;
• participating in computer-assisted instruction;
• attending a study group that is assigned by the instructor;
• or participating in an online discussion about academic matters relating to the course.

In an online class, simply logging in is not sufficient by itself to demonstrate academic attendance. You must demonstrate that you are participating in your online class and are engaged in an academically related activity such as in the examples described above.

Students who are receiving any form of financial aid should check with the Financial Aid Office prior to withdrawing from classes. Withdrawals may affect your eligibility to receive further aid and could cause you to be in a position of repayment for the current semester. Students who fail to attend or participate are also subject to this policy.

To apply for financial aid in the DCCCD, students must complete FAFSA (Free Application for Federal Student Aid) on the web at:  
http://www.fafsa.ed.gov

COUNSELING SERVICES (A311)
Counseling services for personal issues are provided to all students currently enrolled at North Lake College at NO CHARGE. These services are provided by licensed professionals who are bound by confidentiality (within ethical parameters). With the assistance of a counselor, students are able to identify, understand, resolve issues and develop appropriate skills. To make an appointment call 972-273-3333 or visit A311. For additional information, go to:  
http://northlakecollege.edu/services-and-resources/health-and-wellness/counseling-services/Pages/default.aspx

THE ACADEMIC SKILLS CENTER (ASC)
The ASC is designed to provide the following assistance to students:

• An ESOL lab with computer access.
• Free tutoring for students enrolled in Foreign Language courses.
• The iRead Lab offers individual and small group tutoring, as well as workshops, to help current students improve their reading, study, and test taking skills.
• The Writing Center to help students clarify writing tasks, understand instructors’ requirements, develop and organize papers, explore revision options, detect grammar and punctuation errors, properly use and document sources, and improve their writing skills.
• The Online Writing Lab (OWL) allows students to submit papers to our writing tutors electronically and get feedback within 24-72 hours. The OWL can be accessed through eCampus.
  o After logging on to eCampus, click on the Community Tab at the top.
  o Type “Owl” in the search field and click “Go.”
  o Next, click on the double drop-down arrows next to “NLC-OWL2,” and then click on “Enroll.”
  o Once enrolled, students can receive services from the OWL.
• The Blazer Internet Lounge with 12 computers, additional open seating, and WiFi Internet access.

For more information or to schedule a tutoring appointment, come by A-332 or call 972-273-3089.

TESTING CENTER (A 425)
Monday-Thursday: 8:30 a.m. – 8:00 p.m.
No tests will be issued after 7:00 p.m. Other cut-off times may be in effect for specific exams by the instructor’s direction. All exams collected at 8:00 p.m.

Friday-Saturday: 8:30 a.m. – 3:30 p.m.
No tests will be issued after 2:30 p.m. Other cut-off times may be in effect for specific exams by the instructor’s direction. All exams collected at 3:30 p.m.

Sunday – CLOSED

If you instructor requires you to complete an exam in the Testing Center, be sure to have the following information when you request you test:
1. Instructor’s name
2. Subject, course number, and section number (exp: Speech 1311.7011)
3. Exam number (1st, 2nd, 3rd, etc.)
4. Exam deadline (Get this information from your instructor. The testing staff cannot look up this information on computers).

You should also bring the following supplies:
1. Pencil
2. Scantron answer sheet
3. A Test Request Form must be completed before entering the Testing Center.
5. Government or school issued photo identification is required & enforced.

You may not bring personal items into the Testing Center. This includes bags, cell phones, and pagers.

Please show courteous and cooperative behavior while using the services provided by the Testing Center.

DO NOT bring children to the Testing Center. You must make arrangements for the care of your children prior to your exam date. The police department will be notified of any unattended children.

DO NOT take any testing materials with you when you leave the Testing Center. This includes the test, answers, charts, scratch paper. These items will be attached to your test.

Questions? Please visit the Testing Center (A 425) or call 972-273-3160.

DCCCD OIE FACULTY SYLLABI STATEMENT- FALL 2016
The Office of Institutional Equity, in coordination with DCCCD colleges, has the primary responsibility for reviewing, updating and implementing compliance policies, and procedures. The Institutional Equity and Compliance Officer and the Office of Institutional Equity will ensure compliance with College District policies, federal and state laws related to sexual assault, Title IX, Title II (Americans with Disabilities Act) and the Military Veterans Full Employment Act to support diversity and inclusion.

STUDENTS WITH DISABILITIES
If you are a student with a disability and/or special needs, or if you think you may have a disability, please contact the college Disability Services Office (DSO). Please note that all communication with DSO is confidential. If you are eligible for accommodations, please provide or request that the DSO send your accommodation letter to me as soon as possible (students are encouraged to contact DSO at the beginning of the semester). For more information regarding the College Disability Services Office, please visit the Student Services website: dcccd.edu/DSO Offices or contact DCCCD Office of Institutional Equity at (214) 378-1633.
A NOTE ON HARASSMENT, DISCRIMINATION, AND SEXUAL MISCONDUCT
We are committed to assure all community members learn and work in a welcoming and inclusive environment. Title VII, Title IX and DCCCD policy prohibit harassment, discrimination and sexual misconduct. If you encounter harassment, sexual misconduct (sexual harassment, sexual assault, stalking, relationship violence, stalking), retaliation or discrimination based on race, color, religion, age, national origin, disability, sex, sexual orientation, gender identity, and/or gender expression, please contact your College Title IX Coordinator or the Office of Institutional Equity. We treat this information with the greatest degree of confidentiality possible while also ensuring student welfare and college safety.

We are concerned about the well being and development of our students, and are available to discuss any concerns. There are both confidential and non-confidential resources and reporting options available to you. If students wish to keep the information confidential, please contact the college Counseling or Student Health Services. As required by DCCCD policy, incidents of discrimination and/or sexual misconduct shared with faculty will be reported to the College Title IX Coordinator or District Title IX Coordinator. The Title IX Coordinator will contact the student and determine if further investigation is needed. For more information about policies, resources, or reporting options, please contact your college Title IX Coordinator or visit www.dcccd.edu/titleIX.

College Title IX Coordinators

<table>
<thead>
<tr>
<th>College</th>
<th>Name</th>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brookhaven</td>
<td>Terri Edrich</td>
<td><a href="mailto:TitleIX-BHC@dcccd.edu">TitleIX-BHC@dcccd.edu</a></td>
<td>972-860-4825</td>
</tr>
<tr>
<td>Cedar Valley</td>
<td>Grenna Rollings</td>
<td><a href="mailto:TitleIX-CVC@dcccd.edu">TitleIX-CVC@dcccd.edu</a></td>
<td>972-860-8181</td>
</tr>
<tr>
<td>Eastfield</td>
<td>Rachel Wolf</td>
<td><a href="mailto:TitleIX-EFC@dcccd.edu">TitleIX-EFC@dcccd.edu</a></td>
<td>972-860-7358</td>
</tr>
<tr>
<td>El Centro</td>
<td>Shanee’ Moore</td>
<td><a href="mailto:TitleIX-ECC@dcccd.edu">TitleIX-ECC@dcccd.edu</a></td>
<td>214-860-2138</td>
</tr>
<tr>
<td>Mountain View</td>
<td>Regina Garner</td>
<td><a href="mailto:TitleIX-MVC@dcccd.edu">TitleIX-MVC@dcccd.edu</a></td>
<td>214-860-8561</td>
</tr>
<tr>
<td>North Lake</td>
<td>Rosemary Meredith(acting)</td>
<td><a href="mailto:TitleIX-NLC@dcccd.edu">TitleIX-NLC@dcccd.edu</a></td>
<td>972-860-3992</td>
</tr>
<tr>
<td>Richland</td>
<td>Bill Dial</td>
<td><a href="mailto:TitleIX-RLC@dcccd.edu">TitleIX-RLC@dcccd.edu</a></td>
<td>972-238-6386</td>
</tr>
<tr>
<td>Dallas Colleges Online</td>
<td>Le’Kendra Higgs</td>
<td><a href="mailto:TitleIX-LEC@dcccd.edu">TitleIX-LEC@dcccd.edu</a></td>
<td>972-669-6672</td>
</tr>
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</table>

District Title IX Coordinator

<table>
<thead>
<tr>
<th>Office of Institutional Equity</th>
<th>LaShawn Grant</th>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><a href="mailto:TitleIX-District@dcccd.edu">TitleIX-District@dcccd.edu</a></td>
<td>214-378-1633</td>
</tr>
</tbody>
</table>

DCCCD OIE Faculty Syllabi Statement- FALL 2016

The Office of Institutional Equity, in coordination with DCCCD colleges, has the primary responsibility for reviewing, updating and implementing compliance policies and procedures. The Institutional Equity and Compliance Officer and the Office of Institutional Equity will ensure compliance with College District policies, federal and state laws related to sexual assault, Title IX, Title II (Americans with Disabilities Act) and the Military Veterans Full Employment Act to support diversity and inclusion.
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College Disability Services Offices
Brookhaven 972-860-4673
Cedar Valley 972-860-8119
Eastfield 972-860-8348
El Centro 214-860-2411
Mountain View 214-860-8677
North Lake 972-273-3165
Richland 972-238-6180

A Note on Harassment, Discrimination and Sexual Misconduct
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LaShawn Grant 214-378-1633
TitleIX-District@dcccd.edu
## Course Outline (see Appendix A)

### Specific Learning Activities (see Appendix B)

**Appendix A – Course Outline**

**Go back to previous location**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Subtopics</th>
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</thead>
</table>
| **Introduction** | • List the features of Oracle Database 11g  
• Discuss the basic design, theoretical and physical aspects of a relational database  
• Categorize the different types of SQL statements  
• Describe the data set used by the course  
• Log onto the database using the SQL Developer environment  
• Save queries to files and use script files in SQL Developer |
| **Retrieving Data Using the SQL SELECT Statement** | • List the capabilities of SQL SELECT statements  
• Generate a report of data from the output of a basic SELECT statement  
• Select All Columns  
• Select Specific Columns  
• Use Column Heading Defaults  
• Use Arithmetic Operators  
• Understand Operator Precedence  
• Learn the DESCRIBE command to display the table structure |
| **Restricting and Sorting Data** | • Write queries that contain a WHERE clause to limit the output retrieved  
• List the comparison operators and logical operators that are used in a WHERE clause  
• Describe the rules of precedence for comparison and logical operators  
• Use character string literals in the WHERE clause  
• Write queries that contain an ORDER BY clause sort the output of a SELECT statement  
• Sort output in descending and ascending order |
| **Using Single-Row Functions to Customize Output** | • Describe the differences between single row and multiple row functions  
• Manipulate strings with character function in the SELECT and WHERE clauses  
• Manipulate numbers with the ROUND, TRUNC and MOD functions  
• Perform arithmetic with date data  
• Manipulate dates with the date functions |
| **Using Conversion Functions and Conditional Expressions** | • Describe implicit and explicit data type conversion  
• Use the TO_CHAR, TO_NUMBER, and TO_DATE conversion functions  
• Nest multiple functions  
• Apply the NVL, NULLIF, and COALESCE functions to data  
• Use conditional IF THEN ELSE logic in a SELECT statement |
<p>| <strong>Reporting Aggregated Data</strong> | • Use the aggregation functions in SELECT |</p>
<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
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</table>
| Using the Group Functions                    | - Create queries that divide the data in groups by using the GROUP BY clause  
- Create queries that exclude groups of date by using the HAVING clause |
| Displaying Data From Multiple Tables         | - Write SELECT statements to access data from more than one table  
- View data that generally does not meet a join condition by using outer joins  
- Join a table by using a self join |
| Using Sub-queries to Solve Queries           | - Describe the types of problem that sub-queries can solve  
- Define sub-queries  
- List the types of sub-queries  
- Write single-row and multiple-row sub-queries |
| Using the SET Operators                      | - Describe the SET operators  
- Use a SET operator to combine multiple queries into a single query  
- Control the order of rows returned when using the SET operators |
| Manipulating Data                            | - Describe each DML statement  
- Insert rows into a table with the INSERT statement  
- Use the UPDATE statement to change rows in a table  
- Delete rows from a table with the DELETE statement  
- Save and discard changes with the COMMIT and ROLLBACK statements  
- Explain read consistency |
| Using DDL Statements to Create and Manage Tables | - Categorize the main database objects  
- Review the table structure  
- List the data types available for columns  
- Create a simple table  
- Decipher how constraints can be created at table creation  
- Describe how schema objects work |
| Creating Other Schema Objects                | - Create a simple and complex view  
- Retrieve data from views  
- Create, maintain, and use sequences  
- Create and maintain indexes  
- Create private and public synonyms |
### Introduction

**Objectives:**

Students will utilize Oracle 11g software (RDBMS) to gain an overview of how to log onto the server and basic SQL commands.

- List the features of Oracle Database 11g
- Discuss the basic design, theoretical and physical aspects of a relational database
- Categorize the different types of SQL statements
- Describe the data set used by the course
- Log onto the database using the SQL Developer environment
- Save queries to files and use script files in SQL Developer

<table>
<thead>
<tr>
<th>Learning Activity</th>
<th>Learning Outcomes</th>
<th>Evaluation / Assessment</th>
<th>Evaluation / Assessment and SCANS Competencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provide a brief description of the learning activity.</td>
<td>Briefly list the specific learning outcomes/objectives for the activity.</td>
<td>How will the activity be assessed?</td>
<td>C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12</td>
</tr>
</tbody>
</table>

**Ability to perform the listed learning outcomes – hands-on Quiz and Test**
| Retrieving Data Using the SQL SELECT Statement: | • List the capabilities of SQL SELECT statements  
• Generate a report of data from the output of a basic SELECT statement  
• Select All Columns  
• Select Specific Columns  
• Use Column Heading Defaults  
• Use Arithmetic Operators  
• Understand Operator Precedence  
• Learn the DESCRIBE command to display the table structure | Ability to perform the listed learning outcomes – hands-on Quiz and Test | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |

| Restricting and Sorting Data Objectives: | • Write queries that contain a WHERE clause to limit the output retrieved  
• List the comparison operators and logical operators that are used in a WHERE clause  
• Describe the rules of precedence for comparison and logical operators  
• Use character string literals in the WHERE clause  
• Write queries that contain an ORDER BY clause sort the output of a SELECT statement  
• Sort output in descending and ascending order | Ability to perform the listed learning outcomes – hands-on Quiz and Test | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |
# Using Single Row Functions to Customize Output Objectives:

Students will learn how to use Single Row Function to customize output

- Describe the differences between single row and multiple row functions
- Manipulate strings with character function in the SELECT and WHERE clauses
- Manipulate numbers with the ROUND, TRUNC and MOD functions
- Perform arithmetic with date data
- Manipulate dates with the date functions

ability to perform the listed learning outcomes – hands-on Quiz and Test C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12

# Using Conversion Functions and Conditional Expressions Objectives:

Students will learn how to use Conversion Functions and Conditional Expressions

- Describe implicit and explicit data type conversion
- Use the TO_CHAR, TO_NUMBER, and TO_DATE conversion functions
- Nest multiple functions
- Apply the NVL, NULLIF, and COALESCE functions to data
- Use conditional IF THEN ELSE logic in a SELECT statement

ability to perform the listed learning outcomes – hands-on Quiz and Test C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12
| **Reporting Aggregated Data Using the Group Functions** Objectives: | • Use the aggregation functions in SELECT statements to produce meaningful reports  
• Create queries that divide the data in groups by using the GROUP BY clause  
• Create queries that exclude groups of date by using the HAVING clause | Ability to perform the listed learning outcomes – hands-on Quiz and Test | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |
| **Displaying Data From Multiple Tables** Objectives: | • Write SELECT statements to access data from more than one table  
• View data that generally does not meet a join condition by using outer joins  
• Join a table by using a self join | Ability to perform the listed learning outcomes – hands-on Quiz and Test | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |
| **Using Sub-queries to Solve Queries** Objectives: | • Describe the types of problem that sub-queries can solve  
• Define sub-queries  
• List the types of sub-queries  
• Write single-row and multiple-row sub-queries | Ability to perform the listed learning outcomes – hands-on Quiz and Test | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |
| **Using the SET Operators** Objectives: | • Describe the SET operators  
• Use a SET operator to combine multiple queries into a single query  
• Control the order of rows returned when using the SET operators | Ability to perform the listed learning outcomes – hands-on Quiz and Test | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |
### Manipulating Data Objectives:

Students will learn how to manipulate data in tables

- Describe each DML statement
- Insert rows into a table with the INSERT statement
- Use the UPDATE statement to change rows in a table
- Delete rows from a table with the DELETE statement
- Save and discard changes with the COMMIT and ROLLBACK statements
- Explain read consistency

 Ability to perform the listed learning outcomes – hands-on Quiz and Test

 C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12

### Using DDL Statements to Create and Manage Tables Objectives:

Students will learn how to use DDL statements to create and manage tables

- Categorize the main database objects
- Review the table structure
- List the data types available for columns
- Create a simple table
- Decipher how constraints can be created at table creation
- Describe how schema objects work

 Ability to perform the listed learning outcomes – hands-on Quiz and Test

 C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12

### Creating Other Schema Objects Objectives:

Students will learn how to create other schema object

- Create a simple and complex view
- Retrieve data from views
- Create, maintain, and use sequences
- Create and maintain indexes
- Create private and public synonyms

 Ability to perform the listed learning outcomes – hands-on Quiz and Test

 C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12

This course syllabus is intended as a set of guidelines for ITSE 1345. Both North Lake College and your instructor reserve the right to make modifications in content, schedule,
and requirements as necessary to promote the best education possible within prevailing conditions affecting this course.