

CSCI 183: Database Concepts II (SQL) (3 credits)

Course Description

Continuation of CSCI 133. The students will design databases, create and modify the tables, create views, create stored procedures, and create cursors.

Prerequisites:

CSCI 133 (S)

Textbook and Required Materials

Required: **Oracle9i: SQL with an Introduction to PL/SQL** Lannes L. Morris-Murphy
Thompson Course Technology - copyright 2003

Contact Coleen at the NDSCS Bookstore for the most current textbook information (1-800-342-4325, ext. 2239 or coleen.thoe@ndscs.nodak.edu). You may also visit the Bookstore web site at <http://www.ndscsbooks.com/> and search for book information by class by clicking the "Textbook" tab.

Learning Outcomes

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

1. create constraints
2. Insert data into existing database tables
3. Update data already existing in database tables
4. Create views, sequences, indexes, and synonyms
5. Create users and roles
6. Grant privileges
7. Create PL/SQL blocks
8. Create cursors

Grading and Evaluation

Your performance in this class will be based on the accuracy of your answers on the SQL examples in the chapters, the multiple choice and true/false worksheets, the hands-on assignments, the SQL worksheets, the case problems and the chapter exams. The chapter exams are worth 40% of your grade. The case problems are worth 20% of your grade. All other activities are each worth 10% of your grade.

Letter grades will be awarded as follows:

100.00% to 94.00% = A
93.99% to 86.00% = B
85.99% to 78.00% = C
77.99% to 70.00% = D
Below 70.00% = F

5 extra-credit points can be earned in each chapter for your participation in the threaded discussions.

Tie to Program Assessment Outcomes

1. Demonstrate communication skills as appropriate for the given curriculum.
2. Use computational skills to solve applied problems and/or logically analyze a variety of problems and select or create appropriate solutions.
3. Demonstrate competence with appropriate use of curriculum specific software.
4. Demonstrate competence in the use of appropriate resources.

Disabilities and Special Needs

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Disability Support Services Office, 225 Mildred Johnson Library (phone 671-2623) as early as possible in the term.

Academic Integrity

Integrity is an NDSCS core value and there is an expectation that all students, as members of the college community, adhere to the highest levels of academic integrity. Dishonesty in class, laboratory, shop work or tests is regarded as a serious offense and is subject to disciplinary action by the instructor and dean of the respective division. For more information, refer to the NDSCS Student Planner or College Catalog under College Policies and Basic Regulations of Conduct.

Developed/Revised: 09/12/2012