Course Prefix and Number: CIT 270  Credit Hours: 3-3-0

Course Title: Relational Database Coding

Course Prerequisites: CIT 113 or CIT 150


Software: Microsoft SQL Server 2016 Express

Course Description: This course covers the fundamentals of database management systems, in particular, relational database systems. The course also teaches students how to use SQL to create, maintain, store, retrieve, and manipulate data.

Learning Outcomes:
At the end of this course, the student will:
   A. use the Management Studio;
   B. execute data retrieval and manipulation in databases; and
   C. design and implement Relational Database Systems.

To achieve the learning outcomes, the student will or will be able to:
(The letter designations at the end of each statement refer to the learning outcome(s).)
   1. manage the database files (A);
   2. work with queries (A);
   3. view and modify databases (A);
   4. create, modify and query tables using SQL (B);
   5. insert, update and delete data using SQL (B);
   6. code summary queries, subqueries in SQL (B);
   7. use functions in SQL (B);
   8. design a relational DBMS (C); and
   9. create and maintain databases, tables and sequences with SQL statements (C).

Course Requirements:
1. A student must successfully complete the course with an average of 70% or above on the combined learning outcomes.
2. Each student is expected to attend classes regularly; excessive unexcused absences constitute grounds for suspension (refer to the student handbook for attendance policies).
Course Grading Scale:

90 – 100 = A  
80 – 89  = B  
70 – 79  = C  
60 – 69  = D  
0 – 59  = F

Attendance Policy: The college attendance policy is available at http://www.bpcc.edu/catalog/current/academicpolicies.html

Course Fees: This course is accompanied with an additional fee for supplemental materials.

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