**COLLIN COLLEGE**

**COURSE SYLLABUS**

Course Information

**Course Number:** ITSE 2309

**Course Title:** Database Programming - SQL

**Course Description:** Database development using database programming techniques emphasizing database structures, modeling, and database access. Lab required.

**Course Credit Hours:** 3  
 Lecture Hours: 3  
 Lab Hours: 1

**Student Learning Outcomes:**

* **State-mandated Outcomes:** Upon successful completion of this course, students will:

1. Develop database applications using a structured query language.
2. Create queries and reports from database tables.
3. Implement data integrity.
4. Optimize query performance.
5. Create and maintain indexes.
6. Create appropriate documentation.

**Withdrawal Policy:** See the current *Collin Registration Guide* for last day to withdraw.

**Collin College Academic Policies:** See the current *Collin Student Handbook.*

**Americans with Disabilities Act Statement:** Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student’s responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.