

# SQL Programming

CSIS - 1550 001

## Course Description

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The course provides students with a comprehensive understanding and hands-on experience in SQL, a database computer language designed for the retrieval and management of data in relational database management systems (RDBMS). It is recommended students complete CSIS 1020 prior to taking this course.

Semester: Fall & Spring

## Course Student Learning Outcomes

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- Create and utilize database tables, forms, reports and queries.

## Course Prerequisites

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- Recommended (but not required): CSIS 1020
- The assumption for this class is that the student has the ability to efficiently and effectively navigate their computer's operating system.
- The student must know how to download and install software, as well as download files and be able to find them in the file system on their computer.
- Lastly, Windows users must know how to install and run programs in administrator mode

## Engagement Plan

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- I will respond to emails within 48 hours (except weekends & Holidays). I will offer feedback on major assignments within a week of the submission deadline. The best way to contact me is via the Canvas Inbox, as I will prioritize this method of communication over other modes.
- Throughout this course, I will be posting interactive announcements every week. These announcements will help you understand what we'll be learning and which activities you need to submit by the end of the week.
- Lastly, we'll be holding small group Q & A sessions, where we can learn from our peers (and faculty) on some of the more difficult units within the course.

## Keys for Success (how to succeed in the course)

### **Partial Credit is Always Better than no credit**

You cannot complete an assignment on time. Please submit what you have. Incomplete work will earn a higher score than a missing assignment. If you submit an incomplete assignment, please include a quick note to let me know. This policy is in place to reward your effort and ensure that you get credit for the work you've done, even if it's not fully polished.

### **Communicate, Communicate, Communicate**

If you are experiencing any personal or health issues during the semester that are impacting your ability to complete assignments, attend class, or take quizzes and exams, please let me know as soon as possible. By communicating with me early, we can work together to find a solution that works for your situation. Trying to explain the situation after the fact makes it much more difficult to make an exception and will not serve you as well in the long run.

## Required Text or Materials

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**Title: CSIS 1550: SQL Programming**

**ISBN:** 979-8-203-12009-0

**Publisher:** Zybooks

For more information on textbook accessibility, contact Accessibility & Disability Services at [ads@slcc.edu](mailto:ads@slcc.edu).

## Brief Description of Assignments/Exams

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Weekly Assignments (25%): These assignments are designed to test your practical skills and understanding of course concepts.

Weekly Discussions (10%): Discussions are a chance to engage with the material and your classmates. All due dates and submission procedures for assignments and discussions are managed through Canvas. Each item has a specific due date and must be completed by that time.

Quiz, Exams, and Labs (40%): Midterm exams, quizzes, and labs collectively account for 40% of your total grade. All of these assessments are open-book, but please note that you may only take them once. To review your performance, answers to missed questions will be visible for one week after the exam's due date. If you wait to take an exam until the end of the semester, you will miss the opportunity to review the correct answers. Please plan your study time accordingly.

Project-Based Assessment (25%): Your final assessment for this course will be a comprehensive project instead of a written exam, accounting for 25% of your total grade. This project is a take-home, open-book, and open-internet assessment. It will be available to you during the final exam week. This project must be completed independently. Collaboration with others is strictly prohibited and will be considered a violation of the academic integrity policy.

## Assignment Schedule

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Due Date	Assignment Name	Assignment Type	Points
	<a href="#">Introduce Yourself</a>	Discussion	0
	<a href="#">Introduce Yourself</a>	Discussion	0
	<a href="#">Introduce Yourself</a>	Discussion	0
	<a href="#">Introduce Yourself</a>	Discussion	0
	<a href="#">Module 3: Practice- Create a database and a table</a>	Assignment	
	<a href="#">Roll Call Attendance</a>	Assignment	100
8/31/25	<a href="#">Introduce Yourself</a>	Discussion	10
8/31/25	<a href="#">Module 1 Discussion: Database for Life- Why Databases?</a>	Discussion	10
8/31/25	<a href="#">Module 1 Quiz</a>	Quiz	16
8/31/25	<a href="#">Module 1: Assignment - Install MySQL and the Sample Databases</a>	Assignment	50
9/7/25	<a href="#">2.17 LAB - Boyce- Codd normal form</a>	Assignment	10
9/7/25	<a href="#">Module 2 : Assignment ER Diagram</a>	Assignment	25
9/7/25	<a href="#">Module 2 Discussion- ER Diagram</a>	Discussion	10
9/7/25	<a href="#">Module 2 Quiz</a>	Quiz	10
9/14/25	<a href="#">3.10 Lab-Alter Movie Table</a>	Assignment	10

Due Date	Assignment Name	Assignment Type	Points
9/14/25	<a href="#">3.11 LAB - Insert rows into Horse table</a>	Assignment	10
9/14/25	<a href="#">3.9 Lab- Create Movie Table</a>	Assignment	10
9/14/25	<a href="#">Module 3 Discussion: Database for Life: Relational Database and Key Terms Explained</a>	Discussion	10
9/21/25	<a href="#">3.12 LAB - Delete rows from Horse table</a>	Assignment	10
9/21/25	<a href="#">3.13 LAB - Update rows in Horse table</a>	Assignment	10
9/21/25	<a href="#">Module 3 Quiz</a>	Quiz	10
9/21/25	<a href="#">Module 3: Assignment - Create Alexamara Marina Group Database and Tables (Code)</a>	Assignment	40
9/28/25	<a href="#">Module 4 Discussion: Basic Query Formulation</a>	Discussion	10
10/5/25	<a href="#">4.4 LAB - Select number of movies grouped by year</a>	Assignment	10
10/5/25	<a href="#">Module 4 Quiz</a>	Quiz	10

Due Date	Assignment Name	Assignment Type	Points
10/5/25	<a href="#">Module 4: Assignment - Using some functions in ALEXAMARA Database</a>	Assignment	30
10/12/25	<a href="#">5.9 LAB - Select tall horses with subquery</a>	Assignment	10
10/12/25	<a href="#">5.6 LAB - Select movie ratings with left join</a>	Assignment	10
10/12/25	<a href="#">5.7 LAB - Select employees and managers with self join</a>	Assignment	10
10/12/25	<a href="#">5.8 LAB - Select lesson schedule with multiple joins</a>	Assignment	10
10/12/25	<a href="#">Module 5 Discussion on SQL Joins</a>	Discussion	10
10/12/25	<a href="#">Module 5 Quiz</a>	Quiz	10
10/14/25	<a href="#">Midterm_Fall 2025</a>	Quiz	150
10/26/25	<a href="#">6.6 LAB - Rollback and Save point</a>	Assignment	10
10/26/25	<a href="#">Module 6 Discussion:Transactio n Control Language</a>	Discussion	10
10/26/25	<a href="#">Module Quiz 6</a>	Quiz	10
11/2/25	<a href="#">7.9 LAB - Create index and explain</a>	Assignment	10

Due Date	Assignment Name	Assignment Type	Points
11/2/25	<a href="#">Module Quiz 7</a>	Quiz	10
11/9/25	<a href="#">Module 8 Discussion: Manipulating SQL Tables</a>	Discussion	10
11/9/25	<a href="#">Module 8: Assignment - TAL Tomfoolery</a>	Quiz	35

## Grading Scale

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Grading Scale  
 Grading Scale A 94% - 100% A- 90% - 93% B+ 87% - 89% B 84% - 86% B- 80% - 83% C+ 77% - 79% C 74% - 76% C- 70% - 73% D+ 67% - 69% D 64% - 66% D- 60% - 63% E 59% and below

Late Work Policy: ● Late assignments will be penalized at a rate of 0.2% of the full credit per hour of lateness. ● The maximum late penalty period is ten calendar days. ● Submissions received after ten calendar days without prior approval will not be accepted.

## How to Navigate to Canvas

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## Institutional Policies

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As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements.

By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

For more information, navigate to the Institutional Policies tab on the [Institutional Syllabus](#) page.

## Learning Support and Tutoring Services

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, visit the [Institutional Syllabus](#) page under the Tutoring and Learning Support tab. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

## Advising and Counseling Support Services

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, visit the [Institutional Syllabus](#) page under the Advising and Counseling Support Services tab. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

## Student Academic Calendar

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)