



Web & Database Development
CSC235-02
Spring 2026
MW 2:00 PM-3:15 PM (MO 113)



SCSU Mission Statement

Southern Connecticut State University provides exemplary graduate and undergraduate education in the liberal arts and professional disciplines. As an intentionally diverse and comprehensive university, Southern is committed to academic excellence, access, social justice, and service for the public good

I. Instructor Information

Instructor: Lisa Lancor, Ph.D.
Email: lancorl1@southernct.edu
Phone: 203-392-5890
Office Location: Morrill Hall 118B
Office Hours:
Monday: 3:30 pm-5:00 pm
Tuesday: 12:00 pm-1:30 pm, 3:30pm – 4:30pm
Thursday: 3:30 pm-4:30 pm

II. Course Information

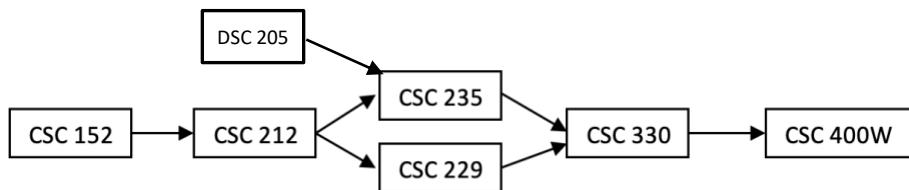
Catalog Course Description

Introduction to web design and database concepts. Topics include basics of HTML, CSS and JavaScript, web and database security, database fundamentals, relational model, SQL, and web application development framework. (3 credits)

Extended Course Description

The section meets twice a week for 75-minutes in Morrill Hall, Room 113. Microsoft Windows computers are available in the room; however, you are welcome use your own laptop if you prefer. The only exception is on some quizzes and exams when you will be required to use the lab machines because they are monitored and have lockdown features.

The prerequisite flow sequence of core programming courses within the program is presented:



Prerequisite(s): DSC 205 or 'C' or better in CSC 212.

Required Materials:

Textbook: There are no required textbooks assigned to this course. We will be accessing free open-source online materials.

Software: Students will need access to a computer with a reliable internet connection with software installation privileges (usually an administrator account).

Software Type	Software Name and Download URL
Operating System	Windows 10/11 (64 bit) or MacOS (Monterey or later)
Web Server and DBMS	XAMPP (for Apache Web Server and MariaDB):
Internet Browser	Google Chrome
Code Editor	Microsoft Visual Studio (VS) Code

All links to the software can be found under the Resources folder on BlackBoard.

Delivery Platform(s) and Course Communication:

All course materials will be posted on BlackBoard, including graded assignments. Lectures will be held in person. On a rare occasion, I may need to hold class remotely. In those situations, we will either use Microsoft Teams, WebEx or Zoom and a link will be posted on BlackBoard. Email via BlackBoard is the main way that I will be reaching out to all members of the class.

III. Student Learning Outcomes and Assessment

Assessment is a process used by instructors to help improve learning. Assessment is essential for effective learning because it provides feedback to both students and instructors. A critical step in this process is making clear the course's student learning outcomes that describe what students are expected to learn to be successful in the course. The student learning outcomes for this course are listed below.

By the end of this course, students should be able to:

1. Develop an understanding of basic webpage design and development.
2. Design, develop and implement an interactive online application.
3. Develop an understanding of basic database development.
4. Develop and implement a simple web framework application.
5. Become familiar with basic security issues in web and database.

IV. Course Requirements and Grading

Student work is evaluated based on the following activities:

ACTIVITY	% of FINAL GRADE
Homework Assignments	50%
Final Project	20%
Midterm Exam	10%
Quizzes	10%
Attendance & Participation	10%

V. Course Policies

Attendance/Tardiness/Leaving Early

Students are required to attend all classes and complete all quizzes, exam(s) and exercises that are assigned during class time. If you are unable to attend a class due to an emergency, the instructor should be notified in advance (if possible). When absent, students remain responsible for finding out what class activities occurred during the absence and making up missed work, if allowed. Missed announcements, instructions, assignments, etc. due to absence will not constitute acceptable reasons for failing to meet subsequent deadlines. It is the student's responsibility to learn the content of the missed classes for making up the work. When a student knows in advance that they will miss a class session, the student should inform the instructor.

Your attendance and tardiness will be recorded in BlackBoard at the start of each class and lab. You will be marked late if you join class later than 15 minutes and you will be marked absent if you join later than 30 minutes or attend less than 50% of the class time. If you have an unusual circumstance that caused your tardiness you should still attend class but please talk to me after class.

Students are required to be present for all in-class assessments (including the mid-term exam) and cannot leave the room during the exam period. If a student anticipates a schedule conflict on an exam date, the instructor must be notified in advance. Otherwise, there will be no make-ups for any quizzes or exams.

Participation

Please consider this course as a community for learning. Your active participation in discussion and activities is important in fostering your engagement in the course. Simply attending class is not enough to count as participation. Your effort and participation in all class work contributes 10% of your grade.

Late Work/Make-up and Missed Exams

Late homework is penalized by 10% per day and no make-ups will be allowed for missed exams or quizzes unless there is a valid reason.

Cell Phone Use and Headphones

You are not allowed to use your cell phone during class (unless the instructor allows) and headphones should not be worn during class time.

Academic Honesty

Academic misconduct is not only unethical, but it is also detrimental to student learning and goes counter to the department culture. Plagiarism (a form of academic misconduct) is presenting, as one's own, the code, ideas, words, or products of another person, for academic evaluation, without proper acknowledgment. According to Merriam-Webster's online dictionary, plagiarism is an act of fraud. It involves both stealing someone else's work and lying about it afterwards. Be sure that you are familiar with the University's Statement on academic integrity and the Department's Academic Honesty statement.

Computer Science Department Academic Honesty Statement

The Computer Science Department has a statement on academic honesty as it relates to computer science courses. The policy describes what plagiarism is, provides examples of plagiarism, including restrictions and activities, as well as the university's Academic Misconduct policy. It is essential that all students read the policy carefully. Link to policy: <https://inside.southernct.edu/computer-science/academic-honesty>

Using Artificial Intelligence for Coursework

While the use of AI is encouraged in your learning process, in this course, students are not permitted to use AI tools to complete assignments, quizzes, tests, or any form of coursework submission. This policy is in place to ensure that students engage directly with the material and develop their critical thinking, analytical, problem-solving, and skills without reliance on external AI assistance. Violations of this policy, including any form of plagiarism or presenting AI-generated content as one's own work, will be considered academic misconduct and dealt with according to the university's academic integrity guidelines.

VI. Course Content & Schedule

Week	Dates	Lecture Topics
1	1/21	Course Overview & Getting to Know You
2	1/26 1/28	Introduction to Web Development HTML: Basics — Structure, Elements, Attributes, URLs
3	2/2 2/4	HTML: Images, Lists, Tables, Forms Intro to Cascading Style Sheets (CSS): Part 1 (Quiz 1)
4	2/9 2/11	Cascading Style Sheets (CSS) Part - II
5	2/16 2/18	NO CLASS on (2/16) Flexbox & Grid
6	2/23 2/25	Bootstrap JavaScript: Basics (Quiz 2)
7	3/2 3/4	JavaScript: Control & Data Structures Midterm Exam
8	3/9 3/11	JavaScript: Document Object Model & Event Handling
9	3/16 3/18	SPRING BREAK – NO CLASSES
10	3/23 3/25	JavaScript: jQuery JSON
11	3/30 4/1	Intro to Databases (Quiz 3) The Relational Model for Databases
12	4/6 4/8	Setting up & Interacting with a DBMS The Structured Query Language: SQL - Part I
13	4/13 4/15	The Structured Query Language: SQL – Part II
14	4/20 4/22	More SQL Website Deployment (Quiz 4)
15	4/27 4/29	Web Development Framework (Flask) - Part I
16	5/4 5/6	Security Issues in Web Applications with Databases Pen Testing Your Applications
17	5/13	FINAL EXAM PERIOD: 12:45-2:45pm

Note: This schedule is subject to change at the discretion of the instructor and will be announced to the class.

VII. University Policies

University Statement – Academic Integrity

Academic integrity is fundamental to the mission of the University. Students are expected to uphold high standards of honesty and responsibility in all academic work. Acts of academic dishonesty, including plagiarism and cheating, may result in academic sanctions up to failure in the course and referral to the Office of Student Conduct and Civic Responsibility. Students should familiarize themselves with the full academic honesty policy in the University Catalog and Student Handbook.

Academic Honesty: <https://catalog.southernct.edu/graduate/grade-policies/academic-honesty.html>

Academic Support & Skill-Building

Academic success is supported through CASAS, which provides tutoring, success coaching, peer academic leaders, and English language support. Students are encouraged to use these resources for assistance with coursework and learning strategies. CASAS website: <https://inside.southernct.edu/casas>.

Academic Accommodations and Accessibility Services

Southern Connecticut State University is committed to providing a safe, supportive, inclusive, and accessible learning environment for all students. The Center for Academic Success and Accessibility Services (CASAS) offers a range of academic support services including tutoring, peer academic leaders, academic success coaching, and English language support. Students with documented disabilities and qualifying conditions may be eligible for reasonable accommodations to ensure equal access to learning, testing, and other educational opportunities. Students should register with CASAS as early as possible and complete the Semester Request process so that accommodation letters can be shared with instructors. Before you receive accommodations in this class, you will need to have approval by CASAS, located on the 3rd Floor of Buley Library. CASAS website: <https://inside.southernct.edu/casas>.

To discuss your approved accommodations with me or other concerns, such as medical emergencies or arrangements in case the building must be evacuated, please make an appointment to meet as soon as possible.

Title IX / Sexual Misconduct

Southern Connecticut State University strongly enforces Title IX of the Education Amendments of 1972, which prohibits sexual misconduct and gender-based discrimination. This includes sexual harassment, assault, dating and domestic violence, stalking, and other forms of gender-based harm. Students have the right to a learning environment free from harassment and violence and have access to reporting options, supportive measures, and confidential resources. Students experiencing or witnessing misconduct are encouraged to contact the Title IX Coordinator, the Office of Student Conduct, University Police, or the VPAS Center for advocacy and support. Title IX & Reporting website: <https://inside.southernct.edu/sexual-misconduct/educate-yourself/title-ix>

Mental Health & Wellbeing:

Student wellbeing is essential to academic success. Southern offers a range of confidential supports through Counseling Services, the Wellbeing Center, Health Services, the food pantry, recovery services, and violence prevention outreach. Students are encouraged to access these services early.

Wellbeing Center: <https://inside.southernct.edu/wellbeing>

Undocumented Student Support

Southern welcomes and supports students of all immigration statuses. An Undocumented Student Support Team provides resources, advocacy, and guidance to help undocumented and mixed-status students navigate academic and personal challenges. See: <https://inside.southernct.edu/undocumented-students>

Religious Observations & Cultural Considerations

SCSU values religious and cultural diversity. Students observing religious or cultural holidays that conflict with academic requirements are encouraged to communicate with their instructors in advance to discuss reasonable accommodations. Please see me during my office hours if you have a conflict due to any of your religious holidays. See: <https://www.southernct.edu/religious-days-of-observance>

Never Attended (University Policy)

Students who have never attended or participated in a class by the end of the third week of the semester will be reported to the Registrar via the designated electronic reporting portal and the student will be removed from the class roster by the Registrar's office.

VIII. General Disclaimer

Your professor reserves the right to modify the information, schedule, assignments, deadlines, and course policies in this syllabus when necessary. She will announce such changes in a timely manner during regularly scheduled lecture periods.