

CSIS 3760 - Electronic Commerce Programming

Fall 2026 Syllabus, Section 01, CRN 40800,

Credit hours: 3

Instructor

Rachel Gramann

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Public Instructor Information

Instructor Title: Dr. Rachel Gramann

Instructor Professional Qualifications:

- DBA - Capella University (2022)
- MBA - Capella University (2018)
- BS Computer Science - Carroll University (2007)

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Course Description

3760. Electronic Commerce Programming. Programming for client/server systems related to electronic commerce, including server-side languages such as Perl and Client-side languages such as JavaScript. Topics include form validation and parsing, database access and manipulation, and design, networking, and security issues. Prereq.: C or better in (CSIS 2605+CSIS 2605L) or (CSIS 2610+CSIS 2610L). 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Electronic Commerce Programming	zyBooks	979-8-203-31888-6

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Chapter 1	Introduction to Electronic Commerce Programming	ZyBooks Participation & Challenges, Discussion 1
8/31	Chapter 2	HTML Fundamentals	ZyBooks Participation & Challenges, ZyBooks Lab
9/7	Chapter 3	More HTML	ZyBooks Participation & Challenges, ZyBooks Lab
9/14	Chapter 4	CSS Fundamentals	ZyBooks Participation & Challenges, ZyBooks Lab, Project Assignment 1: Project Proposal & Design
9/21	Chapter 5	More CSS	ZyBooks Participation & Challenges, ZyBooks Lab, Discussion 2
9/28	Chapter 6	JavaScript Fundamentals	ZyBooks Participation & Challenges, ZyBooks Lab
10/5	Chapter 7	JavaScript in the Browser	ZyBooks Participation & Challenges, ZyBooks Lab

10/12	Chapter 8	More JavaScript	ZyBooks Participation & Challenges, ZyBooks Lab, Discussion 3
10/19	Chapter 9	Mobile Web Development	ZyBooks Participation & Challenges, ZyBooks Lab, Project Assignment 2: Client-Side Prototype
10/26	Chapter 10	Web Accessibility	ZyBooks Participation & Challenges, Discussion 4
11/2	Chapter 11	Node.js Fundamentals	ZyBooks Participation & Challenges, ZyBooks Lab
11/9	Chapter 13	React	ZyBooks Participation & Challenges, ZyBooks Lab
11/16	Chapter 14	PHP Fundamentals	ZyBooks Participation & Challenges, ZyBooks Lab, Discussion 5
11/30	Chapter 16	Relational Databases and SQL	ZyBooks Participation & Challenges, ZyBooks Lab
12/7	No new content	Course Wrap-Up & Electronic Commerce Application Integration	ZyBooks Participation & Challenges, Discussion 6, Project Assignment 3: Final Electronic Commerce Application

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