

The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.tamuc.edu/counsel



CSCI 380 Web Programming and Interface

Fall 2025

INSTRUCTOR INFORMATION

Instructor: Kathiravan Natarajan
Office Location: JOUR 209
Office Hours: Monday 4 PM to 5 PM
Office Phone: N/A
Office Fax: N/A
University Email Address: Kathiravan.Natarajan@tamuc.edu
Preferred Form of Communication: Email with the course name prefix as the subject
Communication Response Time: Email (1 day to 3 days)

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbook(s) Required

Internet and World Wide Web: how to program
Author: Paul Deitel, Harvey Deitel, and Abbey Deitel
Edition: 5th
Published Date: July 14th, 2021
ISBN: 9780137618279
Publisher: PEARSON

Course contents will be shared on the course web page. A textbook is beneficial but not mandatory.

Software Required

It will be communicated on the course web page.

The syllabus/schedule are subject to change.

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Optional Texts or Materials

Course materials should suffice in achieving the educational goals of this course.

Course Description

This course introduces students to web programming and internet technologies through a hands-on, project-based approach. Using the 5th edition of *Internet and World Wide Web: How to Program* by Deitel & Deitel, students will learn foundational concepts of web development, including HTML, CSS, JavaScript, and client-server architecture. The course covers front-end and back-end development, AJAX, responsive design, and cloud integration. Emphasis is placed on building real-world applications while exploring modern tools and frameworks relevant to today's web ecosystem.

Student Learning Outcomes

1. Understand the structure and function of the internet and key web technologies.
2. Design and develop interactive, standards-compliant web pages using HTML5, CSS3, and JavaScript.
3. Implement dynamic content using DOM manipulation and client-side scripting.
4. Apply asynchronous communication techniques such as AJAX to build responsive web applications.
5. Explore server-side concepts and understand basic backend integration and database connectivity.
6. Utilize version control and deployment tools to manage and publish web applications.
7. Gain familiarity with modern development environments and best practices in full-stack web programming.

Minimal Technical Skills Needed

No prerequisites needed

Instructional Methods

The instructor will share the course materials on the course web page in documents; the instructor will explain some complex concepts via video recordings or through zoom meetings based on students' requests.

Student Responsibilities or Tips for Success in the Course

Build a weekly habit of completing the lessons from the course materials on time every week. Practicing "practice quizzes" would help to score better in the weekly graded quizzes and the mid-term and final exams. Foundational knowledge is essential. If any questions or problems in understanding, never wait for the next week as the instructor would explain some concepts based on the previous weeks. If the materials are hard to understand for some students, the instructor will create study groups to revise the

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concepts. Work proactively on the instructor's research direction to score the maximum grade in the team research project. The instructor will be able to help with the programming problems and research questions for the students.

GRADING

Final grades in this course will be based on the following scale:

A = 90%-100%

B = 80%-89%

C = 70%-79%

D = 60%-69%

F = 59% or Below

Weights of the assessments in the calculation of the final letter grade:

Weekly Quizzes	15%
Assignment	15%
Two Midterm Exams	30%
Final Exam	20%
Full-Stack Web App Project	20%
TOTAL	100%

Assessments

Assessments will be conducted online, including the two midterm exams, the final exam, and the team research project. A case study will include a team of 5 students. The instructor will provide weekly directions on the case study. The students should submit a complete report on the case study or publish the research report in a journal or conference at the end of the semester to achieve the assigned score. The instructor will equip the students in all possible ways to score the most in the case study.

TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are the technical requirements

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LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

YouSeeU Virtual Classroom Requirements:

<https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements>

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all coursework in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's house, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please get in touch with your instructor.

Technical Support

If you are having technical difficulty with any part of Brightspace, don't hesitate to get in touch with Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

<https://community.brightspace.com/support/s/contactsupport>

Interaction with Instructor Statement

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COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

MAKEUP POLICY

There will be NO makeup exams/assignments in general. However, with prior notification and valid documents, makeup chances may be given to students under extreme circumstances, such as hospitalization, serious injury, death in the family, etc. No makeup allowed for other than exams and assignments.

COLLABORATION POLICY

Students are encouraged to discuss any of the assignments with each other, to the instructor, or to anyone else. However, any assistance must be limited to discussion of the problem and sketching general approaches to a solution. Each student must write out his or her solutions to the homework. Consulting another student's or group's solution is allowed for team research project but prohibited for exams and quizzes. These and any other form of collaboration on assignments constitute cheating. If you have any question about whether some activity would constitute cheating, please feel free to ask.

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may require the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx).
<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum:

<https://www.britannica.com/topic/netiquette>

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TAMUC Attendance

For more information about the attendance policy, please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

Academic Integrity

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholarly work. For more details and the definition of academic dishonesty, see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)

[Undergraduate Student Academic Dishonesty Form](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf>

[Graduate Student Academic Dishonesty Form](#)

<http://www.tamuc.edu/academics/graduateschool/faculty/GraduateStudentAcademicDishonestyFormold.pdf>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

Students with Disabilities-- ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

Texas A&M University-Commerce

Velma K. Waters Library Rm 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: studentdisabilityservices@tamuc.edu

Website: [Office of Student Disability Resources and Services](#)

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<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information, or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031 et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web URL:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses—report violations to the University Police Department at 903-886-5868 or 9-1-1.

A&M-Commerce Supports Students' Mental Health

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Department or Accrediting Agency Required Content

COURSE OUTLINE / CALENDAR (Tentative)

Week	CONTENT	Quizzes and Assignments
W1 (08/27)	Introduction to Web Programming	
W2 (09/03)	HTML Fundamentals	
W3 (09/10)	More HTML	Quiz 1, Assignment 1
W4 (09/17)	CSS Fundamentals	
W5 (09/24)	More CSS	Quiz 2, Assignment 2
W6 (10/01)	Midterm test 1	
W7 (10/08)	JavaScript Fundamentals – control statements, arrays	Quiz 3, Assignment 3
W8 (10/15)	JS Functions and Objects	Quiz 4
W9 (10/22)	DOM, JS events	Quiz 5, Assignment 4
W10 (10/29)	XML, AJAX	
W11 (11/05)	Midterm 2	Quiz 6, Assignment 5
W12 (11/12)	Web Servers	Quiz 7
W13 (11/19)	PHP fundamentals, React	Quiz 8, Assignment 6
W14 (11/26)	Relational databases and SQL	Quiz 9, Assignment 7
W15 (12/04)	Final Exam	

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