Course Syllabus

Course Information

Course Prefix, Number, Section	CS 6314.001
Course Title	Web Programming Languages
Term	Fall 2024
Days & Times	MW 11:30 to 12:45 PM
Classroom	SLC 2.303

Instructor Contact Information

Instructor	Sridhar Alagar
Email Address	sridhar@utdallas.edu
Office Hours	Mon 2 to 3 PM. Tue & Thu 12:45 to 2:15 PM (in-person and on Teams)

Teaching Assistant: TBA.

Course Pre-requisites, Co-requisites, and/or Other Restrictions

CS 5343: Algorithm Analysis and Data Structures.

Course Description

Advanced understanding of web architecture, standards, protocols, tools, and technologies. Tools required for web programming including HTML, CSS, and JavaScript; XML and database technologies; server-side programming using PHP; Web security protocols and standards; techniques and algorithms related to web services, cloud computing, and semantic web.

Required Textbooks and Materials

All required materials are available online. References will be provided later.

Optional Textbooks and Materials

1. Fundamentals of Web Development. 3rd Edition by Randy Connolly and Ricardo Hoar.

Topics

Introduction to web architecture, standards, protocols, tools, and technologies

HTML, CSS, and DOM

JavaScript

React

NodeJS for server-side JavaScript

Express and MongoDB

Cookies and Sessions

Web Security

Attacks

Advanced Topics

Evaluation

Your grade for the course will be based on the following weightage:

Projects: 60 to 70%

Exam 1: 10% **(Oct 21st)**

Exam 2: 10% **(Dec 2nd)**

Other activities: 10 to 20%

Grades will be assigned according to the following scale:

A: 93 and above

A-: 90-92

B+: 86-89

B: 81-85

B-: 77-80

C+: 73-76

C: 68-72

C-: 64-67

F: Below 60

Course Policies

Late Work

Turn in whatever is completed by the deadline for partial credit. Late submissions are not accepted.

Class Attendance
Regular and punctual class attendance is expected. Students who fail to attend class regularly are inviting scholastic difficulty. It gets difficult to catch up with the concepts if you miss classes as we build upon what we learn as we proceed with the course.

Class Participation

Regular class participation is encouraged. Students who fail to participate in class regularly are inviting scholastic difficulty. Quizzes conducted during the classes contribute to 10% of the grade.

Class Recordings
The class meetings are recorded and will be made available to all students registered for this class to supplement the classroom experience.

Disability Services
It is the policy and practice of The University of Texas at Dallas to make reasonable accommodations for students with properly documented disabilities. However, written notification from the Office of Student Accessibility (OSA) is required. If you are eligible to receive an accommodation and would like to request it for this course, please discuss it with me and allow one-week advance notice. Students who have questions about receiving accommodations, or those who have, or think they may have, a disability (mobility, sensory, health, psychological, learning, etc.) are invited to contact the Office of Student Accessibility for a confidential discussion. OSA is located in the Student Services Building, suite 3.200. They can be reached by phone at (972) 883-2098, or by email at studentaccess@utdallas.edu.

Academic Support Resources

The information contained in the following link lists the University's academic support resources for all students.

Please see http://go.utdallas.edu/academic-support-resources.

Comet Creed

"As a Comet, I pledge honesty, integrity, and service in all that I do."

Additional Policies - Please go to http://go.utdallas.edu/syllabus-policies .

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Instructor.