

SYLLABUS  
PART I  
EDISON STATE COMMUNITY COLLEGE  
CIS 131S FUNDAMENTALS OF WEB DEVELOPMENT  
3 CREDIT HOURS

**COURSE DESCRIPTION**

Introduction to the study of web development by creating and modifying webpages with HTML using basic text editors, as well as GUI editors, by employing good design principles and practices. The latest standards of HTML and CSS will be used. JavaScript will also be introduced. Prerequisite: CIS 110S. Lab fee.

**COURSE GOALS**

The student will:

Bloom's Level		Program Outcomes
3	1. Use basic text and GUI editors to create HTML, CSS, and JavaScript files.	3, 5, 7, 8
3	2. Describe and apply the principles of effective website design.	7
2	3. Describe the principles of Web usability and ADA compliance.	1, 6
3	4. Develop a fully functional website using the website development lifecycle.	3, 4, 6, 7, 8
3	5. Apply the appropriate techniques for effective mobile website design.	3, 5, 7, 8
2	6. Discuss the importance of ethics in the web development industry.	1

**CORE VALUES**

The Core Values are a set of principles that guide Edison State Community College in creating its educational programs and environment. They will be reflected in every aspect of the College. Students' educational experiences will incorporate the Core Values at all levels, so that a student who completes a degree program at Edison State Community College will not only have been introduced to each value, but will have had them reinforced and refined at every opportunity.

**TOPIC OUTLINE**

1. Introduction to HTML
2. Introduction to CSS
3. Page Layout Design
4. Graphic Design with CSS
5. Mobile Web Design
6. Tables and Columns
7. Web Development and the Website Development Lifecycle
8. Web-based Forms
9. Multimedia and the Web
10. Introduction to JavaScript