

SYLLABUS  
PART I  
EDISON STATE COMMUNITY COLLEGE  
IMD 121S FUNDAMENTALS OF WEB DEVELOPMENT  
2 CREDIT HOURS

**COURSE DESCRIPTION**

Introduction to creating and modifying webpages with HTML using basic text editors, as well as GUI editors. The latest standards of HTML and CSS will be used. JavaScript will also be introduced.

Prerequisite or Co-requisite: CIS 100S or 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.                              | 4, 6             |
| 3             | 2. Describe and apply the principles of effective website design.   | 1, 5, 8          |
| 2             | 3. Describe the principles of Web usability and ADA compliance.   | 1, 3             |
| 3             | 4. Develop a fully functional website using the website development lifecycle from a team-based approach. | 2, 6, 8          |
| 3             | 5. Apply the appropriate techniques for effective mobile website design.                                  | 5, 6             |

**CORE VALUES**

The Core Values are a set of principles that guide Edison State 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 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