

[ARCHIVED CATALOG]

## Course Descriptions and Objectives

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Note: All courses have identified Course-level Learning Objectives (CLOs) that align with Program-level Learning Outcomes. More information about CLOs and PLOs can be found on the [General Education Learning Outcomes](#) page in this catalog.

### Dual Listed Course

A dual listed course is one of two courses that have the same title and content, but use different department abbreviations. One or the other may be taken for credit, but not both. The student must make the choice at the time of registration. Examples: [DIVST 125 - Race and Ethnic Relations:CD](#) and [SOC 125 - Race and Ethnic Relations:CD](#).

### Computer Information Systems

#### • CIS 246 - Web Development VI JavaScript Frameworks

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##### 5.0 Credits

Students will investigate and use the advanced techniques available in JavaScript frameworks (libraries) such as JQuery, AJAX, MooTools, and Prototype.

##### Prerequisite

CIS 242 with a minimum grade of 2.5 or equivalent experience. **Corequisite**

##### Course-level Learning Objectives (CLOs)

Upon successful completion of this course, students will be able to:

1. Make clear decisions about the advantages-disadvantages of using advanced scripting techniques over other Web technologies.
  2. Create intermediate websites using JQuery, AJAX, MooTools, and other JavaScript framework libraries.
  3. Read, modify, and create XML documents through AJAX libraries.
  4. Create advanced user interface using MooTools, JQuery, and Prototype.
  5. Incorporate advanced scripting techniques into Web pages and websites.
  6. Make clear decisions and use the appropriate JavaScript framework technology as needed within a Web page or site.
  7. Create clear and useful documentation of technologies to create a Web page or site.
  8. Communicate assumptions and choices made in the techniques used to create websites.
  9. Engage in conversations about the different development tools and technologies used to create websites.
  10. Communicate the advantages and disadvantages of each of the different JavaScript framework technologies.
  11. Demonstrate the ability to work collaboratively within groups.
  12. Apply the appropriate tools and technology to facilitate sustainable websites.
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