1. **COURSE ID:** DGME 169  
   **TITLE:** Web Design III: HTML 5, CSS & Javascript  
   **Units:** 3.0 units  
   **Hours/Semester:** 48.0-54.0 Lecture hours; and 16.0-18.0 Lab hours  
   **Method of Grading:** Grade Option (Letter Grade or P/NP)  
   **Recommended Preparation:**  
   Eligibility for ENGL 838 or ENGL 848.  
   DGME 168 Web Design II or Equivalent

2. **COURSE DESIGNATION:**  
   Degree Credit  
   **Transfer credit:** CSU

3. **COURSE DESCRIPTIONS:**  
   **Catalog Description:**  
   Web Design III will focus on HTML 5, XHTML, Cascading Style Sheets (CSS) and JavaScript and is the standard for controlling and formatting website content. They are the preferred method for design and presentational markup of well-structured pages. This course covers both the theoretical and practical aspects of HTML 5, XHTML, Cascading Style Sheets (CSS) and JavaScript for creating precise and optimized layouts, as well as formatting text and other elements commonly used in web pages. Students will learn to build complex layouts using HTML 5, XHTML CSS and JavaScript specifications by separating the page content from the visual presentation. The importance of Section 508 compliance, validation and W3C standards are stressed. Software: Adobe Creative Suite®. This course cannot be substituted for CIS 127.

4. **STUDENT LEARNING OUTCOME(S) (SLO'S):**  
   Upon successful completion of this course, a student will meet the following outcomes:  
   1. Identify & Demonstrate user centered and interface design  
   2. Identify HTML, XHTML, CSS and JavaScript structures  
   3. Demonstrate the functionality of HTML, XHTML, CSS and Javascript  
   4. Demonstrate dynamic web elements  
   5. Demonstrate search engine optimization  
   6. Demonstrate Section 508 Compliance

5. **SPECIFIC INSTRUCTIONAL OBJECTIVES:**  
   Upon successful completion of this course, a student will be able to:  
   1. Identify & Demonstrate user centered and interface design  
   2. Identify HTML, XHTML, CSS and JavaScript structures  
   3. Demonstrate the functionality of HTML, XHTML, CSS and Javascript  
   4. Demonstrate dynamic web elements  
   5. Demonstrate search engine optimization  
   6. Demonstrate Section 508 Compliance

6. **COURSE CONTENT:**  
   **Lecture Content:**  
   - Overview of Web Design II  
   - User-centered and interface Web Design  
   - Basic HTML 5, XHTML, CSS and Javascript Functionality  
   - Forms  
   - Search Engine optimization  
   - Section 508 Compliance  
   - Project Management  
   - Integration with other software  
   **Lab Content:**  
   Lab time will be completed in Digital Media Center, where students will apply their learning by demonstrating the design to production phases and integration with appropriate software.  
   Students will complete lab exercises and assignments that reinforce the lecture material along with demonstration and production phases and integration with appropriate software.
strengthening their skills utilizing the appropriate software.

7. **REPRESENTATIVE METHODS OF INSTRUCTION:**
   Typical methods of instruction may include:
   
   A. Lecture
   B. Lab
   C. Critique
   D. Discussion
   E. Observation and Demonstration
   F. Other (Specify): A. Lecture/Discussion Encompassing in-class demonstrations and explanations on course topics. Forums B. Labs Students will demonstrate examples of course topics on lab computers C. Reading assignments Students will be given a reading assignment to become familiar with the material presented in a corresponding lecture, lab, or quiz D. Assignments/Projects Students will be given a project assignment to demonstrate their knowledge of the software

8. **REPRESENTATIVE ASSIGNMENTS**
   Representative assignments in this course may include, but are not limited to the following:
   
   **Writing Assignments:**
   - Written Assignments on Concept and Theory
   - Forums
   - Mid Term Exam
   - Final Exam
   
   **Reading Assignments:**
   - Required Text Reading
   - Online Resources
   - Instructor/Course Resources

9. **REPRESENTATIVE METHODS OF EVALUATION**
   Representative methods of evaluation may include:
   
   A. Class Participation
   B. Class Work
   C. Exams/Tests
   D. Group Projects
   E. Homework
   F. Lab Activities
   G. Oral Presentation
   H. Papers
   I. Portfolios
   J. Projects
   K. Quizzes
   L. Assignments/Projects Students will be assigned projects to execute to specifications. Students will be graded on performance of these assignments/projects. Quizzes, Mid Term and Final Exams Students will be tested on their retention of important principles Class Demonstrations Students will be asked to demonstrate course topics Forums Student will participate in weekly forums

10. **REPRESENTATIVE TEXT(S):**
    Possible textbooks include:
    

    **Origination Date:** August 2011
    **Curriculum Committee Approval Date:** December 2014
    **Effective Term:** Fall 2015
    **Course Originator:** Diana Bennett