

**Course discipline/number/title: COMP 1741: JavaScript****A. CATALOG DESCRIPTION**

1. **Credits:** 3
2. **Hours/Week:** 3 lecture
3. **Prerequisites (Course discipline/number):** MATH 0099
4. **Other requirements:** College level reading is required
5. **MnTC Goals (if any):** NA

**B. COURSE DESCRIPTION:** This course introduces client-side scripting. Students will explore HTML and CSS, dynamic client-side scripting using JavaScript, client-side error checking and validation, and asynchronous server interaction. Students will construct and evaluate various client-side interactions. College level reading is required.

**C. DATE LAST REVISED (Month, year):** December, 2019

**D. OUTLINE OF MAJOR CONTENT AREAS:**

1. Fundamental of the web
2. Client-side dynamic HTML, CSS, and JavaScript
3. HTML form processing error checking and validation
4. Asynchronous server interactions

**E. LEARNING OUTCOMES (GENERAL):** The student will be able to:

1. Implement dynamic HTML, CSS with Client-Side Scripting using JavaScript.
2. Define the terms and methods client-side scripting regarding user interaction.
3. Develop client-side scripts that interact with web applications and dynamically update content.
4. Perform client-side error checking and validation for graceful failure.

**F. LEARNING OUTCOMES (MNTC):** NA**G. METHODS FOR EVALUATION OF STUDENT LEARNING:** Methods may include but are not limited to:

1. Exams and Quizzes
2. Presentations
3. Projects
4. Written Assignments

**H. RCTC CORE OUTCOME(S).** This course contributes to meeting the following RCTC Core Outcomes(s):  
**Critical Thinking.** Students will think systematically and explore information thoroughly before accepting or formulating a position or conclusion.

**I. SPECIAL INFORMATION (if any):** None