COMMON COURSE OUTLINE: Course discipline/number/title: COMP 1741: JavaScript

A. CATALOG DESCRIPTION
1. Credits: 3
2. Hours/Week: 3
3. Prerequisites (Course discipline/number): MATH 1090 or higher; college level reading
4. Co-requisites (Course discipline/number): None
5. MnTC Goals (if any): NA

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.

B. DATE LAST REVISED (Month, year): April, 2015

C. 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

D. 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.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
1. Exams and Quizzes
2. Presentations
3. Projects
4. Written Assignments

G. RCTC CORE OUTCOME(S) ADDRESSED:
- Communication
- Critical Thinking
- Global Awareness/Diversity
- Civic Responsibility
- Personal/Professional Accountability
- Aesthetic Response

H. SPECIAL INFORMATION (if any): None