ROCHESTER COMMUNITY AND TECHNICAL COLLEGE

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
4. MnTC Goals (if any): NA

This course introduces developing web applications. Students will explore HTML and CSS, forms, error checking and validation, server-side scripting, and database interaction. Students will construct and evaluate multiple web applications. College level reading is required.

B. DATE LAST REVISED (Month, year): December, 2017

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
4. Asynchronous server interactions.

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:
Methods may include but are not limited to:
1. Exams and Quizzes
2. Presentations
3. Projects
4. Written Assignments

G. RCTC CORE OUTCOME(S) ADDRESSED:

☐ Communication	☐ Global Awareness/Diversity
☒ Critical Thinking	☐ Personal/Professional Accountability

H. SPECIAL INFORMATION (if any): None