I. Instructor Information:
   Name: Mike McMillan
   Telephone: 812-2372
   E-mail: mmcmillan@uaptc.edu
   Office Location: IT 306I
   Office Hours: Monday 2-4pm, TR 2-4pm, Wednesday 3-4pm, Friday By appt.

II. Catalog Description:

   This course is an introduction to the tools and techniques used for creating dynamic web content using scripting languages and databases.

   **Prerequisites:** None but a semester or more of programming will be helpful as well as some familiarity with HTML.

III. Course Resources:


   Supplemental resources: Web sites, etc. provided by instructor

IV. Course Objectives and Course Content:

   1. Learn fundamental JavaScript programming constructs:
      a. Variables and statements
      b. Arithmetic expressions
      c. Decision constructs
      d. Repetition constructs
      e. Functions
      f. Object-oriented programming
   2. Using JavaScript to manipulate the Document Object Model
   3. Handling events in JavaScript
   4. Handling forms in JavaScript.
   5. Using React
   6. Introduction to Node.js
   7. Introduction to NoSQL databases

V. Attendance Policy:

   You are expected to log into the course on at least a weekly basis to access homework assignments and participate in class discussions.
Agencies granting financial assistance may be notified of the violation of the attendance policy by students receiving financial aid.

VI. Classroom Policies:

The Pulaski Technical College Student Handbook rules and regulations will be enforced in this class at all times.

VII. Grading:

Letter grades will be based on the following scale:

<table>
<thead>
<tr>
<th>Percentage Range</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 to 100 %</td>
<td>A</td>
</tr>
<tr>
<td>80 to 89 %</td>
<td>B</td>
</tr>
<tr>
<td>70 to 79%</td>
<td>C</td>
</tr>
<tr>
<td>60 to 69%</td>
<td>D</td>
</tr>
<tr>
<td>0 to 59%</td>
<td>F</td>
</tr>
</tbody>
</table>

Your course grade will be determined by weekly programming assignments and occasional programming projects. Programming assignments and projects must be turned in on time to receive full credit. I will drop your two lowest assignment grades and one project grade. Generally, programming assignments and programming projects will be due on Sundays (all times 11:59 pm). Your assignments and projects will be graded based on specifications that I will provide at the time I assign the assignment and/or the project.

VIII. Academic Integrity

It is expected that all students who attend Pulaski Technical College conduct themselves in a manner appropriate for the college experience. Academic integrity is a vital component of collegiate behavior. The student handbook states: “The gaining of knowledge and the practice of honesty go hand-in-hand.”

The handbook also states, “The responsibility and authority of initiating discipline arising from violations of the rules against dishonesty during the process of the course are vested in the instructor of that course.”

The complete Academic Integrity Policy can be found in the PTC Student Handbook.

IX. Accommodation Policy:
Services for Students with Disabilities:

Pulaski Technical College is committed to fulfilling all federal requirements as stated in the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Accommodations are available to students who have documented disabilities. Students who request accommodations must register with the Coordinator of Disability Services in Counseling Services (501-812-2220 or www.pulaskitech.edu) prior to the semester of planned enrollment, and must provide recent documentation of medical, educational, and/or psychological records.

Students who need accommodations should inform the instructor at the beginning of the course. Accommodations will only be provided if the instructor receives a letter of approved accommodations from the Coordinator of Disability Services. Failure to provide sufficient notification may result in a delay of services.

X. Course Evaluations:

Students may be asked to evaluate their instructor and course near the end of the semester. These student evaluations are very important to the improvement in the quality of instruction and course materials. All results are anonymous and shared with the faculty only after the semester is over and grades have been posted.

XI. Information Literacy:

Pulaski Technical College is committed to the Information Literacy Competency Standards for Higher Education as established by the Association of College and Research Libraries and endorsed by the National Forum on Information Literacy. Therefore, all courses will incorporate an information literacy component so that, by graduation, all students will be able to recognize the need for information, then locate, evaluate, synthesize, and communicate information in an ethical manner. Information literacy encompasses critical thinking, research, media, technology, health, business, and visual literacy skills to produce lifelong learners who can make informed decisions in the workplace and in their personal lives.

XII. Course Schedule: This schedule is extremely tentative and the instructor reserves the right to make changes to it as necessary.


Week 6 February 11 – February 17: JavaScript Objects and Classes introduction. Assignment 6 and Discussion Post 3 due February 17.

Week 7 February 18 – February 24: JavaScript Objects and Classes continued. Assignment 7 and Project 1 due February 24.


Week 9 March 4 – March 10: JavaScript and the DOM continued. Assignment 9 and Discussion Post 4 due March 10.

Week 10 March 11 – March 17: JavaScript and HTML Forms. Assignment 10 due March 17.

Week 11 March 18 – March 24: Spring Break!

Week 12 March 25 – March 31: JavaScript and HTML Forms continued. Assignment 11 and Discussion Post 5 due March 31. Project 2 assigned.

Week 13 April 1 – April 7: JavaScript and Web Events. Assignment 12 due April 7.

Week 14 April 8 – April 14: JavaScript and Web Events continued. Assignment 13 and Project 2 due April 14.

Week 15 April 15 – April 21: Introduction to React. Assignment 14 and Discussion Post 6 due April 21.


Week 17 April 29 – March 3: Introduction to NoSQL databases. No assignment.

Week 18 May 6 – May 10: Final Project due May 8.