**Course Plan Outline**

**INSTRUCTOR**:

**Instructor:** Prof. Wilfredo Rosado

**Email:** [wrosado@gatewayct.edu](mailto:wrosado@gatewayct.edu)

**Phone:** (203) 285-2174, **Inside ext:** 52174

**Office:** S301L

**TEXTBOOKS & SUPPLIES**:

**Textbook:** “Beginning JavaScript”, 5th Edition, Jeremy McPeak and Paul Wilton,

ISBN: 9781118903339

**Supplies:** Students should have a USB memory device of 1 GB or greater.

**COURSE DESCRIPTION**:

This course complements the CST152, Introduction to Web Page and Design course. It utilizes JavaScript programming techniques to enhance and animate the static HTML web pages learned in CST152, into vibrant and interactive web pages. Students will work with variables, functions, arrays, conditional operators, various object models, strings, event handlers and forms. Student will use a text editor to create and Internet browsers to test and view pages. Prerequisite(s): CST152.

**OBJECTIVES**:

The objective of this course is to cover the basics that web developers require to develop their skills to:

1. Identify what JavaScript is, where it came from and what it can do for you.
2. Create dynamic web pages with HTML5, CSS3 and JavaScript coding.
3. Identify Data types and how to manipulate them.
4. Identify and work with variables.
5. Identify how to perform repetitive calculations using decisions and loops.
6. Identify and create functions in JavaScript.
7. Describe and create object based JavaScript programming.
8. Work with String type of data.
9. Identify the Document Object Model and how to use it.
10. Create and manipulate inter active forms.
11. Identify and manipulate events and event handlers.
12. Discuss data storage as it applies to web pages.

**GRADING**:

The grade for this course is dependent on 5 areas of competence, each with a percentage of the total grade as follows:

**Final Project:** 30%, **Quizzes**: 20%, **Hands-on Activities:** 25%, and, **Discussion Board** 15%, Participation: 10%.

Numeric to letter grade conversion:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Excellent** | **Above Average** | **Average** | **Below Average** | **Failing!** |
|  | **B+** 87 – 89 | **C+** 77 – 79 | **D+** 67 – 69 |  |
| **A** 95 – 100 | **B** 83 – 86 | **C** 73 – 76 | **D** 63 – 66 | **F** 0 – 59 |
| **A-** 90 – 94 | **B-** 80 – 82 | **C-** 70 – 72 | **D-** 60 – 62 |  |

**DISABILITIES:**

Any student who feels s/he may need an adjustment based on the impact of a documented disability, please contact the office of Student Disability Services at 203-285-2231 in room S-202 to coordinate reasonable adjustment. Students then should contact the professor privately to discuss specific needs.

**COURSE POLICIES:**

This course requires the student to do a lot of reading of the text book.

**The Following General Policies Apply:**

* Work assigned is the responsibility of the student to submit on time and complete. Failure to do so will result in loss of points or even a zero!
* Do not fall behind in your submission of work or it will be very difficult for you to get caught up.
* All work submitted late will be deducted a substantial amount of points, (20 points).
* All assignments, projects, hands-on activities, and quizzes are posted on Blackboard with due dates for your convenience.
* All assignments are to be submitted via Blackboard, no exceptions!
* It is the responsibility of the student to keep track of the work you have or have not submitted. You should keep a log of what assignments were submitted and when.
* The syllabus shows the chapters and the topics being covered and the days there are no classes at Gateway due to holidays. The syllabus can be found in the Introduction section of Module 1.

**Programming Assignments, Homework, and Quizzes**

* You are expected to do all of the Hands-on practice exercises in each chapter.
* Quizzes and homework will be completed on-line and on time by midnight on the due date.

**Blackboard:**

* Blackboard is the mechanism by which instructors communicate with students and vice versa.
* You are expected to go on-line to Blackboard at least once a day.
* I periodically communicate to students unannounced. Therefore it is imperative that you read Blackboard often to stay on top of things.

**Honesty:**

Individual work is expected for homework, projects, quizzes and exams. In the event that any form of cheating is found, a grade of zero will be given for that work. If one student copies from another, then both students involved will receive a zero since it cannot be determined who copied from whom. If there is a second occurrence of cheating, the Dean of Students will be notified.

**Student Conduct:**

Please conduct yourselves respectfully when responding to others or posting your own work on Blackboard. Do not be derogatory, demeaning, or verbally abusive to others in this class. Failure to do so will cause you to be reported to the Dean of Student. Repeated offenses may cause you to be dropped from the course.