

Introduction to JavaScript CINS/WEBT 157

Course Data

- **Semester:** Fall 2010
- **Class:** WEBT/CINS 157
- **Section:** C4A
- **CRN** 92943, 93162
- **Meets:** Th 6:00-8:55
- **Location:** Catonsville Campus H221
- **Instructor:** Jim Doran
- **Email:** jim.doran@gmail.com (best method of communication)
- **Web site:** <http://faculty.ccbcmd.edu/~jdoran1/157/>
- **Office:** Classroom or similar
- **Office Hours:** By appointment

Course Description

This course introduces the creation of interactive web sites by integrating JavaScript into site structure. Major topics include the Documents Object Model, event-driven scripting, coding functions, parameter passing, conditionals, loops, unobtrusive JavaScript, frameworks, AJAX and JSON. Students create web pages and web sites containing interactive components developed with JavaScript. Note: WEBT 157 is the same as CINS 157; credit will not be received for both.

- 3 credits
- 3 lecture/lab hours per week
- Prerequisite: WEBT 143 or consent of the program coordinator

Course Objectives

Upon successful completion, the student should be able to:

1. Describe and explain the relationship among XHTML, CSS, JavaScript, and the DOM;
2. Explain file hierarchy and web site organization;
3. Describe limitations of creating interactivity including browser support and differences;
4. Explain how JavaScript is integrated in an XHTML document;
5. Describe the difference between Java and JavaScript;
6. Explain the differences between client-side and server-side event handling;
7. List common JavaScript events;
8. Modify CSS properties using JavaScript;

9. Define, create and use a JavaScript function including parameter passing;
10. Define and use variables in a JavaScript function;
11. List and use the JavaScript conditional and looping statements in a function;
12. List, explain and code JavaScript's core objects including the Array, Boolean, Date, Math and String objects; and
13. Utilize XHTML, CSS and JavaScript to develop an interactive web site.

Instructor's Methods

This course is taught using a combination of lecture, demonstrations, discussions, hands-on class activities and projects. Students are responsible for all materials covered in the lecture and textbook.

Requirements, Points and Evaluation

Points Possible

Test 1	150
Test 2	150
Labs, Projects and Assignments	300
Final Project	250
Attendance & participation	150
Total	1000

Grades

900 - 1000	A
800 – 899	B
700 – 799	C
600 – 699	D
0 – 599	F

Tests

There will be 2 tests given throughout the semester, each worth 150 points. Tests will be given during a class period and students must complete the test in the given time frame. If a student is not present for a test and no prior arrangements are made, the student will earn a grade of 0, no exceptions.

Labs, Projects and Assignments

Labs, Projects and Assignments (referred to as just assignments from this point forward) will be given throughout the semester totaling 300 points. Students will be made aware of the assignments point value and due dates when the work is assigned. Missing class is not an excuse for missing an assignment. Late assignments will not be accepted and there will be no resubmissions. If an assignment is not handed in on time it will receive a grade of 0.

Final Project

Students will be responsible for one final project. More details will be given in class but the project will be an informative multiple page web site. This project acts as the Final Exam for the course. Final projects MUST be presented to the class. If the project is not handed in on time, then a grade of 0 will be recorded, no exceptions.

Attendance & Participation

Each week students will earn 10 points towards their Attendance & Participation grade. If the student is present for class and participates accordingly (has all necessary assignments completed, is ready for discussion, etc.) then the student will earn the 10 points for that week. If the student however is not present for class, or is not properly prepared for class, he or she will not earn the complete 10 points. Exceptions to this policy will only be considered in extreme cases (i.e. - severe illness, religious holidays, accident, etc.).

Lateness Policy

Students should be on time for every class session. The class will begin promptly at the posted time in the CCBC schedule book. If a student arrives to class late they must sign the late sheet with their name and arrival time. For every 5 minutes that a student is late, he or she will receive 2 points off of that week's attendance & participation grade. Exceptions to this policy will only be considered in extreme cases (i.e. - accident, proof of extreme traffic conditions, etc.)

General Course Policies

Policies will follow those outlined by The Community College of Baltimore County. The following additional policies are unique to this class:

- Don't leave class early; if you do, you forfeit the right to ask for help until the next session.
- If you're absent, it's your responsibility to catch up. Not the instructor's responsibility to catch you up!

- Respect your fellow students and the instructor; lack of proper respect and you're out.
- If you come during arranged office hours, come ready with something specific to discuss.
- Office hours may be cancelled based upon the needs of the instructor.
- You can email me links to your work for review and questions about assignments but I will not complete your work for you.
- Email will be answered in a timely manner; please be patient.
- Don't copy any other person's work; if you do, you fail.
- Back up your work; it's your responsibility.
- Use of the Internet is a privilege, not a right; it can be taken away at any time.
- I reserve the right to show your work to others for academic purposes.

NOTE: If you need the instructor's help, please follow these steps:

1. Post your work to your student web space
2. E-mail the instructor with a link to the page/item in question, and
3. include a brief but clear question/comment/description of issue

Please do NOT send files as attachments (word docs, html, JavaScript, etc.) unless requested to do so.

Texts and Supplies

Required Text: *JavaScript: The Web Technologies Series* Don Gosselin. Course Technologies 5th Edition ISBN-10: 0538748877

Required Supplies:

- Removable media of your choice (i.e. - USB drive, CD-R, etc.)
- Web space, either through the college (free to students) or through your own hosting service. NOTE: If you use your own hosting, please make sure your host does not insert advertisements into your code, other scripts and/or framesets.

Important Dates

- Semester Starts - 08/30
- 50% Refund Ends - 09/14 by 4:00PM
- Midterm grades due - 10/18
- Last Day to Withdrawal or Audit - 11/05
- No Classes - 11/24 through 11/26
- Last Day of Class - 12/11
- Finals Week - 12/12 through 12/18

Exhibition Policy

CCBC reserves the right to retain examples of each student's work. We also reserve the right to show student work for teaching purposes, for exhibition at the school and on the Internet or elsewhere.

Additional Note

The Community College of Baltimore County and the Instructor reserve the right to make adjustments to this syllabus and calendar, with proper notice to students, as dictated by faculty need or class progress.