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**Computer Information Systems**

**Introduction to Web Development Technologies**

**CIS-137-65**

**Fall 2017**

**Prepared by: Dr. G. Steube, CCP**

**COURSE SYLLABUS**

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| COURSE DESCRIPTION | **CIS-137**: Introduction to Web Development Technologies, introduces the student to the languages and tools used to develop interactive Web sites that effectively communicate ideas, concepts and information. The course focuses on Web site development by utilizing Hypertext Markup Language (HTML), Extensible Hypertext Markup Language (XHTML), Cascading Style Sheets (CSS) and JavaScript. Students will receive hands-on experience in a variety of Web technologies and coding languages to develop fully functional sites.  **Prerequisite:** exemption/completion of READ-091. Two hours lecture and two hours of lab each week (Hybrid Course). Three credits. Three billable hours. |
| INSTRUCTOR | Dr. G. Steube, CCP |
| CLASS MEETINGS | Hybrid Course: Monday and Wednesday 2:00 pm to 3:20 pm  K Building Room 207 |
| OFFICE HOURS | Monday & Wednesday: 1:30 pm – 2:00 pm  Tuesday & Thursday: 10:30 am – 12:30 pm  Additional hours by appointment |
| OFFICE LOCATION | M250E |
| PHONE VOICE MAIL | 410-386-8464 |
| E-MAIL | [gsteube@carrollcc.edu](mailto:gsteube@carrollcc.edu)  (The best way to contact me is through email. I will respond in less 24 hours.) |
| WEBSITES | http://carrollcc.blackboard.com  This site will be used for announcements, posting of grades, online quizzes, submission of labs, and document storage. |
| DIVISION CHAIR | Rob Brown, Division Chair, Office M-257A, [rbrown@carrollcc.edu](mailto:rbrown@carrollcc.edu) 410-386-8224 |
| REQUIRED TEXTBOOK | Boehm, A., & Ruvalcaba, Z. (2015). Murach's HTML5 and CSS3 (3rd edition. ed.). Fresno, CA: Mike Murach & Associates Inc.  ISBN: 978-1890774837 |

**COURSE OBJECTIVES**

Upon successful completion of this course, students will be able to:

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| 1. Use HTML, XHTML, and CSS to create web pages. (GE4, PG2)  2. Complete several websites using an industry leading software packages such as Adobe Dreamweaver, Microsoft Expression Web or Microsoft Visual Studio. (GE4, PG5)  3. Demonstrate how to use CSS to professionally layout web pages. (GE1, GE5, PG4)  4. Demonstrate how to use CSS and/or JavaScript to create menu navigation systems. (GE1, PG4)  5. Demonstrate how to incorporate video, audio, Flash animation, and Java applets, into web pages. (GE1, PG4)  6. Develop web pages that use a scripting language such as JavaScript to interact with the user. (GE2, PG2)  7. Explain how to obtain and manage a domain name and webhosting service. (PG5)  8. Explain how to optimize web pages for various search engines. (GE1, PG5). |

**EXPECTATIONS OF STUDENT BEHAVIOR**

* A student wishing to withdraw from some or all of his/her courses should understand that such withdrawal is **NOT** effective until the student completes the withdrawal process!
* The school is committed to accommodating students with disabilities. Please let your instructor know of your special needs.
* Please consult the Student Handbook for policies regarding Student Conduct and Academic Action.
* Students that are caught cheating or not submitting their own work will receive a zero for that assignment. A second occurrence of cheating will result in a failing grade for the course. The person that allows someone to copy their work will also receive a failing grade.
* Electronic Devices - IPODs and cell phones should off in Lecture.
* **Late Assignments:**

Assignments turned in up to one week late will incur a 20% grade reduction. Assignments will not be accepted a week or more after the assignment due date.

* **Makeup tests:**

Students are expected to take tests at the assigned date and time. Makeups may be given at the discretion of the instructor. In general, students should contact the instructor before the time of the test to ask for a makeup or extension. If an emergency arises and you are unable to contact the instructor in advance, contact must be made within 24 hours of the time that the test was administered.

* **Communication:**

Please be sure to include your full name and class number at the end of the email.

* **Cancellation Policy:**

If for any reason a class is cancelled or the college campus is closed, it is each student's responsibility to visit the college Blackboard site for the course relevant announcements and/or assignments.

* **Attendance Policy:**

Each student is responsible for all material covered in class. Therefore, those students who have a need to be absent are responsible for obtaining all notes and materials given during the missed class session.

Regarding the issue of lateness, students are expected to be in class on time and ready to work from the time that class officially starts to the time it officially ends. There is quite a bit of work to cover and this really does need to be enforced.

* **Withdrawal:**

If a student withdraws from a course a grade of "W" will be included in his/her permanent record. Students can complete the withdrawal process by going to The Office of Student Development and Learning (Room A114). More information on refund and withdrawal dates can be found on the college website. (http://www.carrollcc.edu/courses/credit/academiccal/default.asp)

* **Code of Academic Integrity and College Policies:**

Carroll Community College has adopted a Code of Integrity, as part of College Policies, to foster and promote a sense of respect and consideration of others, and to uphold high standards of academic honesty and social conduct (see the College Catalog). Cheating and plagiarism are serious offenses and will not be tolerated. It is expected that students complete their own work unless collaboration is expressly permitted by the instructor.

* **Guidelines for Academic Integrity:**

Lab partners may work together and help each other in doing laboratory calculations and lab questions, but the verbatim copying of answers to lab questions is not acceptable.

Students may help each other solve lab work problems, but turning in a lab assignment that is a verbatim copy of someone else’s work will be considered a violation of academic integrity.

Falsifying lab data to avoid doing some work or to obtain better results is cheating, but repeating the experiment to obtain better results is allowed.

The use of cell phones, iPods and any electronic device is absolutely prohibited during an exam. These should be turned off and out of sight.

**COURSE ASSIGNMENTS**

**Student Information Form**

Download and submit the Student Information Form. This form can be found in Blackboard under the Course Downloads heading. After completing this form, submit it to the Student Information Form in the Assignments area in Blackboard. The due date is listed in the Schedule below.

**Quizzes**

Each quiz will cover the content of the selected chapter(s). They will predominantly be multiple choice, fill-in-the-blank, matching, or true/false questions. All quizzes are online in Blackboard and are open book. All quizzes are available on the Monday of the week listed in the schedule and must be completed by Sunday at the end of day (11:59 pm) listed in the schedule below. The point value of the quizzes is listed in the grading section below.

**Labs**

Labs will primarily be assigned problems to solve using HTML5 and CSS3 coding techniques from the current chapter and prior chapters (course is cumulative in nature). Labs are intended to be more intensive than the quizzes as you will be using higher order thinking skills to read and understand the problems, design a solution, code the solution, and execute relevant HTML5 and CSS3 to accomplish the stated task(s) in the problem(s). All labs are due on the Wednesday date by end of day (11:59 pm) listed in the schedule below. The point value of each lab is listed in the grading section below.

**Final Exam**

The final exam is cumulative and includes all material covered in the class. Questions may include multiple choice, coding of HTML5 and CSS3 and short answers. **The final exam is not open book and is conducted in class.** The point value of the final exam is listed in the grading section below.

**Online Activities**

The Blackboard course room is the center of all online activities. Announcements for the class are posted here. All quizzes and labs are submitted through the links provided in the course room. There are three Discussion areas in Blackboard for this class: CyberCafe (for general questions about the course requirements), HTML5 (for questions about HTML5 technology), CSS3 (for questions about CSS3), and Web (for other web development questions. Please feel free to post any questions you may have about these areas as the course progresses. All grades are also available through the My Grades link in Blackboard’s course room.

**GRADING**

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| --- | --- | --- | --- |
| **Activity** | **Number** | **Individual Points** | **Total Points** |
| **Quizzes** | 7 | 50 | 350 |
| **Labs 1 - 3** | 3 | 50 | 150 |
| **Labs 4 - 6** | 3 | 110 | 330 |
| **Final Exam** | 1 | 170 | 170 |
| **TOTAL** | | | **1,000** |
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| **Grading Scale** | |
| **A** | **900 - 1000 points** |
| **B+** | **870 - 899 points** |
| **B** | **800 - 869 points** |
| **C+** | **770 - 799 points** |
| **C** | **700 - 769 points** |
| **D+** | **670 - 699 points** |
| **D** | **600 - 669 points** |
| **F** | **0 - 599 points** |

**There is no extra credit work for this class.**

Scores for all the activities will be posted in the Blackboard account for this class as the work is graded during the semester. **All assignments must be submitted electronically via Blackboard before the start of the class on the day on which the work is listed as due.**

**CLASS SCHEDULE**

The due dates for all graded work are marked in **bold** in the schedule.

| ***Class*** | ***Date*** | ***Topic*** | ***Readings*** | ***Assignments*** |
| --- | --- | --- | --- | --- |
| 1 | August 28, 30 | Course Requirements  Intro to Web Development  How to code, test, and validate a web page | Chapter 1  Chapter 2 | Read the syllabus  Review the Course web site in Blackboard  **Student Info Form due Sept 3** |
| 2 | Sept 4, 6 | **Labor Day College is closed on Sept 4**  How to use HTML to structure a web page | Chapter 3 | **Quiz 1 (Chapters 1 & 2) due Sept 10** |
| 3 | Sept 11,13 | How to use CSS to format a web page | Chapter 4 | **Lab #1 due Sept 13** |
| 4 | Sept 18,20 | How to use CSS to format a web page (Continued) | Chapter 4 | **Quiz 2 (Chapters 3 & 4) due Sept 24** |
| 5 | Sept 25,27 | How to use CSS box model | Chapter 5 | **Lab #2 due Sept 27** |
| 6 | Oct 2,4 | How to use CSS for page layout | Chapter 6 |  |
| 7 | Oct 9,11 | How to work with lists and links | Chapter 7 | **Quiz 3 (Chapters 5 & 6) due Oct 15**  **Lab #3 due Oct 11** |
| 8 | Oct 16,18 | How to use responsive web design | Chapter 8 | **Quiz 4 (Chapter 7 & 8) due Oct 22** |
| 9 | Oct 23,25 | How to work with images | Chapter 9 | **Lab #4 due Oct 25** |
| 10 | Oct 30 Nov 1 | How to work with tables | Chapter 10 | **Quiz 5 (Chapters 9 & 10) due Nov 5** |
| 11 | Nov 6,8 | How to work with forms | Chapter 11 | **Lab #5 due Nov 8** |
| 12 | Nov 13,15 | How to add video and audio | Chapter 12 | **Quiz 6 (Chapters 11) due Nov 19** |
| 13 | Nov 20,22 | **Thanksgiving Holiday**  **College Closed Nov 22 - 26** |  |  |
| 14 | Nov 27,29 | How to design a web site | Chapter 18 |  |
| 15 | Dec 4,6 | **Review** |  | **Quiz 7 (Chapters 12 & 18) due Dec 10**  **Lab #6 due Dec 6** |
| 16 | Dec 11,13 | **Final Exam Week** |  | **Final Exam (Chapters 1 – 12 and Chapter 18)** |

**REFUND AND WITHDRAWAL INFORMATION**

To qualify for a refund, students must officially drop a course(s) by submitting a Registration Schedule Change Form to the Records Office, or by mailing or faxing a signed written request to the Records Office.

Go to the appropriate refund policy, withdrawal dates and schedules.

Tel: 410-386-8440;

Fax: 410-386-8446;

E-mail: [records@carrollcc.edu](mailto:records@carrollcc.edu)

**CODE OF ACADEMIC INTEGRITY AND COLLEGE POLICIES**

Carroll Community College has adopted a Code of Integrity, as part of College Policies, to foster and promote a sense of respect and consideration of others, and to uphold high standards of academic honesty and social conduct (see the College Catalog). Cheating and plagiarism are serious offenses and will not be tolerated. It is expected that students complete their own work unless collaboration is expressly permitted by the instructor.

***Specific to this course:*** It is expected that students will submit his/her own code for individual labs unless the directions of the lab call for a “team” approach. Discovery of submitting someone else’s code will be considered a violation of the Integrity Code.

**Title IX - The College’s Gender-Based and Sexual Misconduct Policy and Procedures**

If you or someone you know has been a potential victim of gender-based or sexual misconduct and you would like to report the incident, please contact Title IX Coordinator for the College. The Title IX Coordinator may be reached at the Office of Compliance and Integrity, room A-117, by telephone at 410-386-8404, and by email at titleIX@carrollcc.edu. In case of an immediate emergency, please call 8123 on campus for Public Safety and Security or 911 for emergency assistance.

**CARE TEAM**

Carroll Community College is committed to and cares about all students. If you or someone you know is feeling overwhelmed, hopeless, depressed, and/or experiencing life stressors that are interfering with academic or personal success, supportive services are available.

If you are experiencing difficulty yourself or have an immediate concern about the behavior or safety of a student at Carroll Community College, help by making a referral to the College’s CARE Team. The CARE Team's purpose is to promote a safe and productive learning, living, and working environment by addressing the needs of students, faculty, and staff. If you or a classmate are in need of help, please submit a concern to the CARE Team at careteam@carrollcc.edu or call 410-386-8404. In case of an immediate emergency, please call 8123 on campus for Public Safety and Security or 911 for emergency assistance.

**DISABILITY SUPPORT SERVICES**

Carroll is committed to providing equal access to its programs, facilities and services for students with disabilities in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 (ADA). The college offers an array of support services and accommodations that are post-secondary appropriate and are coordinated by the office of Disability Support Services.

**INCLEMENT WEATHER INFORMATION**

Check the College website or listen to one of the radio or TV stations listed on the above website for announcements related to a closing. You may also call the College Inclement Weather Line at 410-386-8457 for closing information. We recommend to sign up for e2campus alerts. If no announcement is made, you may assume that the regular schedule is in effect.