

CSCI 3300 Syllabus (13)

COURSE NUMBER: CSCI 3300
COURSE TITLE: Introduction to Web Development
CREDITS: 3
PREREQUISITES: CSCI 1010 or 1015 or 1017 or 2000

INSTRUCTOR: Name: Leong Lee
Office: Maynard 214
Office Hours: by appointment
Phone: 931-221-7038
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CLASS WEB SITE: Please refer to D2L.

PROGRAMMING TUTORING

Check out programming peer tutoring service/timing/venue by [clicking here...](#)

COURSE DESCRIPTION

Create basic web pages for delivery of information. Use markup language to provide page content and use style sheets to format the content and layout the pages. Acquire and demonstrate basic web programming skills through a client-side scripting language. Identify and apply basic programming concepts such as variables, data types, operators, loops, arrays, control structures and functions. Manipulate the Document Object Model.

COURSE OBJECTIVES

Upon successful completion of this course students should be able to

1. Construct web pages using HTML.
2. Use Cascading Style Sheet (CSS) to style web pages.
3. Write and deploy JavaScript programs.
4. Identify and apply JavaScript programming concepts such as variables, data types, operators, loops, arrays control structures, and functions.
5. Manipulate the Document Object Model.
6. Write JavaScript programs to perform client side form data validation.

TIME AND PLACE OF CLASS: Mon/Tue/Wed/Thu/Fri 11:20am-12:50pm, Technology Building 204

REQUIRED LEARNING RESOURCES

Textbooks:

- Murach's HTML5 and CSS3, 3rd Edition, by Zak Ruvalcaba & Anne Boehm, ISBN-13: 978-1890774837, Mike Murach & Associates.
- Introduction to JavaScript Programming with XML and PHP, 1st Edition, by Elizabeth Drake, ISBN-13: 978-0133068306, Pearson.

Others:

- A USB Flash Drive
- Personal Laptop Computer (Windows-based)

ATTENDANCE POLICY AND CLASS PARTICIPATION

Students are expected to attend all classes, arrive on time and participate in classroom discussions. Students are expected to remain in class until the class is finished unless extenuating circumstances such as illness requires the student to leave. If a student leaves class early, the instructor must be notified as to the reason that the student left. Any student who has not attended class and/or submitted assignments for a three week period will receive an FA grade.

ASSIGNMENTS / PROJECTS

Assignments (projects) will be both written and programming. The instructor will not make any adjustments to a student's code when grading, so if any submitted program does not compile (or run) the student will get a zero on the "correctness" portion of the grade (or **50 points** off the overall grade), with no exceptions. Program source code will be turned in electronically.

LATE POLICY AND MAKEUP EXAMS

Assignments (projects) are due on the stipulated due dates, and may be turned in **up to 4 calendar days** late with a **25% late penalty**. **No assignment** will be accepted more than **4 calendar days** after the original due date! Students with planned absences, whether for university events, religious observance, or other reason, are expected to make arrangements with the instructor to turn in assignments or take exams before the scheduled date of the assignment or test.

Exam/test dates are on the schedule on the following page — if there are any changes, they will be announced at least one week in advance if possible. A missed exam may be made up only if it was missed due to an extreme emergency and arrangements are made before the exam date. Exams may not be taken early or late due to personal travel plans.

EVALUATION AND GRADING

Each student activity will contribute to the final grade in the class according to the following percentages.

| Activity | Percentage |
|-------------------|------------|
| Assignments | 50% |
| Mid-semester exam | 25% |
| Final exam | 25% |

| Final Percentage | Final Grade |
|------------------|-------------|
| 90 - 100 | A |
| 80 - 89 | B |
| 70 - 79 | C |
| 60 - 69 | D |
| Below 60 | F |

POLICY ON MINORS

Minors (any non-student under the age of 18) accompanying staff, faculty, students or visitors on campus are not permitted in the classroom.

DISABILITY POLICY

Any student who has a disability that may affect his/her academic performance is encouraged to make an appointment with me to discuss this matter, or you may contact Disability Services; telephone 221-6230; tty 221-6278; fax 221-7102.

ACADEMIC MISCONDUCT

Students are expected to conduct themselves appropriately at all times. Academic and classroom misconduct will not be tolerated. Students must read the “Code of Student Conduct” in the new Student Handbook for an understanding of what will be expected of them within the academic setting.

Students are required to turn in their own work and not the work of others. Collaboration on homework, assignments, quizzes, and exams is prohibited, unless otherwise specified by the instructor. Likewise, **plagiarism** of other's work or web-related sources constitutes a serious infraction. This includes submitting work very similar to another student's project, copy and paste from Internet searches, and Internet sites for hiring coders to complete a project. “Penalties for academic misconduct will vary with the seriousness of the offense and may include, but not limited to, a grade of “F” on the work in question, a grade of “F” in the course, reprimand, probation, suspension and expulsion.” (Quoted from APSU Academic and Classroom Misconduct). Protect your own work. Do not leave your assignments on the hard drives of the computers or printers in the lab for others to see.

TOPICAL OUTLINE/CALENDAR

| Week / Date | Topic | Reading | Remarks / Due / Exam |
|---------------------|---|--|---|
| 1 6/4 Mon | Introduction to web development Code, test and validate a web page HTML structure Use CSS to format elements of a web page CSS box model Use CSS for page layout | HTML Ch. 1 HTML Ch. 2 HTML Ch. 3 HTML Ch. 4 HTML Ch. 5 HTML Ch. 6 | Assignment 1 Due – 6/10, Sun |
| 2 6/11 | Links, images, tables, forms JavaScript programming basics Variables and operators Selection structures | HTML Ch. 7, 8, 9, 10 JS Ch. 1 JS Ch. 2 JS Ch. 3 | Assignment 2 Due – 6/13, Wed Assignment 3 Due – 6/17, Sun |
| 3 6/18 | Repetition structure | JS Ch. 4 | Mid-Term Exam – 6/20, Wed Assignment 4 Due – 6/24, Sun |
| 4 6/25 | Advanced decisions and loops Forms and form Controls Functions and JavaScript source files | JS Ch. 5 JS Ch. 6 JS Ch. 7 | Assignment 5 Due – 6/27, Wed Assignment 6 Due – 7/1, Sun 6/29, Fri: Last to drop with a W, F 6/30, Sat: Mandatory F begins |
| 5 7/2 | Arrays | JS Ch. 8 | Assignment 7 Due – 7/4, Wed Final Exam – 7/6, Fri 7/4, Independence Day, U closed 7/6, Last day of classes |

LAPTOPS AND OTHER ELECTRONIC DEVICES IN THE CLASSROOM

Cell phones must be turned off or on vibrate during class. NO cell phone can be answered during class unless there is an emergency situation and you have discussed the emergency with the instructor prior to class. No text messaging is permitted during class. Laptops/tablets are permitted whenever the student considers the laptop/tablet as an enhancement of his/her learning experience. However, the student MUST be using the laptop/tablet in a manner that directly relates to the content of this class such as viewing the slides from the lecture or taking notes. The laptop/tablet must not be a distraction to others in the class. No other electronic devices will be allowed in class without prior consent of the instructor.

CAVEAT

The above schedule and procedures are subject to change in the event of extenuating circumstances.