

CTEC 4350 Sec. 001
WEB COMMUNICATION DESIGN AND DEVELOPMENT III
Spring 2015

Tuesday & Thursday 3:30-4:50 PM, 412 FAB
Course Web Site: <http://omega.uta.edu/~cyjang/ctec4350>

Instructor

Dr. Chyng-Yang Jang
Office: Fine Arts Building 413
Office Hours: Tuesday & Thursday 12:30 – 2:00 PM, or by appointment
Phone: 817-272-4142
Email: cyjang@uta.edu
Faculty Profile: <https://www.uta.edu/mentis/public/#profile/profile/view/id/1346>

Textbooks

- Web ReDesign 2.0: Workflow that Works. Kelly Goto & Emily Cotler. Peachpit Press (required)
- CSS, DHTML & AJAX (4th Ed.). Jason Cranford Teague. Peachpit Press (recommended)
- Modern JavaScript: Develop and Design. Larry Ullman. Peachpit Press (recommended)
- Additional required readings will be available online through the class web site.

Course Description

This capstone course of the CTEC sequence reviews and applies theoretical principles of communication, human-computer interaction, user experience research, and information architecture for effective communication over the Internet. The course includes web design, implementation, development and project management.

Student Learning Outcomes

After taking this class, students will be able to

- describe major design principles for organizational Web site communication
- analyze and implement information architecture necessary for interactive Web site communication
- plan and carry out effective workflow processes for Web design projects
- demonstrate competence in designing interactive Web site using proper scripting technology.

Course Communication

All course-related messages will be posted on the class web site (<http://omega.uta.edu/~cyjang/ctec4350/>). On this site you will find the course syllabus, the assignments, online readings, and other announcements. Course related information will also be sent to your University "MavMail" address, which is the sole official means of email communication with students. Students are responsible for checking their MavMail regularly. Students may contact the instructor via email, phone or in-person. When sending email, please put "[CTEC4350]" in the subject heading to clearly identify the email as relating to the course. It will ensure your important email gets instructor's prompt attention.

Evaluation and Grading

Your grade will be based on your performance in tests and assignments. There will be two major exams including the final during the semester. Points will be awarded for exams, assignments, and the project as described below. Project and assignment instruction will be delivered in class. Late submission of assignments and the project may not be accepted.

Test #1 (2/10/2015).....	150
Test #2 (3/5/2015)	200
Term Project	400
- Term project critique sessions : (4/14 & 4/16/2015)	
- Term Project Presentation Dates: (5/14/2015)	
Assignments & In-class Exercises	250

Total	1000

Grade Scale

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

Students are expected to keep track of their performance throughout the semester and seek guidance from available sources (including the instructor) if their performance drops below satisfactory levels.

The assignment of a grade of "I" will only be made for the reasons specified by university regulations. "Running out of time" or "not getting done" is not one of the specified reasons.

Expectations for Out-of-Class Study

Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend at least an additional 9 hours per week of their own time in course-related activities, including reading required materials, completing assignments, preparing for exams, etc.

Make-Up Policy:

Exams must be taken during the scheduled exam time. A make-up exam can only be taken if the student presents documented proof of a valid medical excuse or extenuating circumstance. Medical excuses and extenuating circumstances will be verified and judged as warranting a special case by the instructor. If you have to miss an exam, you have to inform the instructor before the exam time to be considered to take a make-up exam.

No make-up will be granted for quizzes or in-class exercises.

Attendance Policy

At The University of Texas at Arlington, taking attendance is not required. Rather, each faculty member is free to develop his or her own methods of evaluating students' academic performance, which includes establishing course-specific policies on attendance. As the instructor of this section, I expect each of the students to be present for all classes. Your attendance may be recorded.

Drop Policy:

Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (<http://wweb.uta.edu/aao/fao/>).

Other Important Class Policies

Americans With Disabilities Act

The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the *Americans with Disabilities Act* (ADA). All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability or by calling the Office for Students with Disabilities at (817) 272-3364.

Title IX

The University of Texas at Arlington is committed to upholding U.S. Federal Law “Title IX” such that no member of the UT Arlington community shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity. For more information, visit www.uta.edu/titleIX.

Academic Integrity

All students enrolled in this course are expected to adhere to the UT Arlington Honor Code:

I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.

I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

Instructors may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System *Regents' Rule* 50101, §2.2, suspected violations of university's standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student's suspension or expulsion from the University.

Student Support Services Available

UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to resources@uta.edu, or view the information at www.uta.edu/resources.

Writing Center

The Writing Center, 411 Central Library, offers individual 40 minute sessions to review assignments, Quick Hits (5-10 minute quick answers to questions), and workshops on grammar and specific writing projects. Visit <https://uta.mywconline.com/> to register and make appointments. For hours, information about the writing workshops we offer, scheduling a classroom visit, and descriptions of the services we offer undergraduates, graduate students, and faculty members, please visit our website at www.uta.edu/owl/.

University Electronic Communication Policy

UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>

Student Feedback Survey

At the end of each term, students enrolled in classes categorized as lecture, seminar, or laboratory shall be directed to complete a Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student's feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington's effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

Final Review Week

A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week unless specified in the class syllabus. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

Emergency Exit Procedures

Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest stairwell, which is located in the north side of the Fine Arts Building, and then exit the building when reach the first floor. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist handicapped individuals.

Schedule of Topics

The schedule of topics is attached at the end of this document. The schedule and any update to it are posted on the course web site. ***As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course.***

Emergency Phone Numbers

In case of an on-campus emergency, call the UT Arlington Police Department at **817-272-3003** (non-campus phone), **2-3003** (campus phone). You may also dial 911.

Class Schedule

Please note that, as the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course.

Week	Tuesday	Thursday
Jan 20, Jan 22	Introduction (ReDesign, Ch. 2)	HTML & CSS Review
Jan 27, Jan 29	Define the Project (ReDesign, Ch. 3) JavaScript Basics (Ullman, Ch. 1-6)	JavaScript Basics (cont.)
Feb 03, Feb 05	JavaScript Functions (Ullman, Ch. 7)	Develop Site Structure (ReDesign, Ch. 4)
Feb 10, Feb 12	Test #1	Intro to DHTML (Teague, Ch. 11-12)
Feb 17, Feb 19	Browser and Object Models (Teague, Ch. 13, 14; Ullman, Ch. 9)	Basic Dynamic Techniques (Teague, Ch. 14, 16)
Feb 24, Feb 26	Events (Teague, Ch. 15; Ullman, Ch. 8)	Advanced DHTML Techniques
Mar 03, Mar 05	Review	Test #2
Mar 10, Mar 12	Spring Break Project proposal due (3/16, by midnight)	
Mar 17, Mar 19	Visual Design (ReDesign, Ch. 5)	Working with Forms (Ullman, Ch. 10)
Mar 24, Mar 26	Working with forms (cont.) XML Staging Site Launch	AJAX (1) (Powers, Ch. 9; Ullman, Ch. 11)
Mar 31, Apr 02	AJAX (2)	AJAX (cont.)
Apr 07, Apr 09	TBA	Error management
Apr 14, Apr 16	Draft critique session	Draft critique session
Apr 21, Apr 23	Usability Evaluation	Project Work
Apr 28, Apr 30	Usability Evaluation Practice	Project revision
May 05, May 07	Project revision	Project revision
May 12, May 14		Project Presentation (May 14, 2:00 - 4:30 PM)