# CTEC 4350 Sec. 001
# WEB COMMUNICATION DESIGN AND DEVELOPMENT III
# Spring 2014

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

## Instructor

Dr. Chyng-Yang Jang
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Office Hours: Tuesday & Thursday 12:30 – 2:00 PM, or by appointment
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## 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  (2/6/14) ………………………..………………………….  200
    Test #2  (3/6/14) …………………….………………………….  200
    Term Project (4/25/14) …………………………………....…  400
        -  Term project critique sessions : 4/8/14, 4/10/14
        -  Term Project Presentation Dates: 4/29/14, 5/1/2014, 5/8/2014
    Assignments & In-class Exercises …….………………….…..  200
    --------------------------------------------------------------------------------------------
    Total                                              1000
```

**Grade Scale**

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

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.

**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:**
You are expected to be present for all classes. Your attendance may be recorded. Your grade may be affected by your attendance record if it is specified in the assignments including, but not limited to, project draft critique sessions and project presentations.

**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/ses/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.

### 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.

**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](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.***

# 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 14, Jan 16 | Introduction (ReDesign, Ch. 2) | HTML & CSS Review |
| Jan 21, Jan 23 | Define the Project (ReDesign, Ch. 3) | JavaScript Basics (Ullman, Ch. 1-6 ) |
| Jan 28, Jan 30 | JavaScript Basics (cont.) | JavaScript Functions (Ullman, Ch. 7 ) |
| Feb 04, Feb 06 | Develop Site Structure (ReDesign, Ch. 4) | ***Test #1*** |
| Feb 11, Feb 13 | Intro to DHTML (Teague, Ch. 11-12) | Environment (Teague, Ch. 13; Ullman, Ch. 9) |
| Feb 18, Feb 20 | Document Object Model (Teague, Ch. 14) | Basic Dynamic Techniques (Teague, Ch. 14, 16) |
| Feb 25, Feb 27 | Events (Teague, Ch. 15; Ullman, Ch. 8) | Working with Forms (Ullman, Ch. 10) |
| Mar 04, Mar 06 | Visual Design (ReDesign, Ch. 5)<br>Review for test #2 | ***Test #2***<br>***Project proposal due***(3/7, by midnight) |
| Mar 11, Mar 13 | Sprint Break | |
| Mar 18, Mar 20 | XML | XML (cont.) |
| Mar 25, Mar 27 | AJAX (Powers, Ch. 9) | AJAX (cont.) |
| Apr 01, Apr 03 | Error management | Frameworks |
| Apr 08, Apr 10 | ***Draft critigue session*** | ***Draft critigue session*** |
| Apr 15, Apr 17 | Project Work | Project Work |
| Apr 22, Apr 24 | **Usability Evaluation** | Project revision |
| Apr 29, May 01 | ***Project presentation*** | ***Project presentation*** |
| May 06, May 08 | | ***Project Presentation*** (May 8, 2:00 - 4:30 PM) |