

## INSY 4315 – 001 Advanced Web Development Spring 2018

**INSTRUCTOR:** Jie Jennifer Zhang, Ph.D.  
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**CLASS TIME:** T.R. 12:30 pm - 1:50 pm  
**CLASS MEETING:** COBA Room 349  
**COURSE WEBSITE:** <https://elearn.uta.edu>  
**OFFICE HOURS:** T.R. 11:30am - 12:30 pm or by appointment  
**PREREQUISITES:** INSY 3300. OBJECT-ORIENTED PROGRAMMING.

**DESCRIPTION OF COURSE CONTENT:** This course introduces concepts and techniques for web application development. This course will emphasize the use of web development tools and techniques to develop web applications. Topics include web application development using technologies HTML and CSS, client-side scripting, and server-side scripting. Hands-on exercises and projects will be used to emphasize the various techniques and tools used in web programming.

**STUDENT LEARNING OUTCOMES:** At the end of this course, the student will be able to:

- Design and create a Web site using HTML
- Use table, images, and layers to add graphic interest to a Web site
- Enhance a Web site with forms
- Control the appearance of a Web site using CSS
- Provide user reactivity in a Web site using JavaScript
- Add dynamic content to Web pages using ASP.NET

**TEXTBOOK:** Internet & World Wide Web How to Program Fifth Edition by Deitel; Prentice Hall, 2012. ISBN: 0-13-215100-6.

**You are expected to read and study this textbook! You will be responsible for any assigned material in the textbook regardless of class coverage. So if you don't understand the material, be sure to ask.**

**COURSE REQUIREMENTS:** Students are expected to attend class regularly, *arrive on time*, *silence all sound generating devices* (cell phones, pagers, PDAs, etc.) and *remove headphones* (music or cell phone, wired or wireless). Failure to abide by this policy will negatively affect the student's attendance/participation grade.

**ATTENDANCE POLICY:** Attendance is mandatory. It is crucial to your success in this class. If you miss a class, you are responsible for the material covered (from textbook or not), any assignments due or announced, and any other announcements.

**IN-CLASS EXERCISES:** There will be exercises related to course materials during most class sessions. You are supposed to finish them during the class and submit for credits.

**ASSIGNMENTS:** There will be three (3) homework assignments and one (1) project. You are responsible for checking the right file is properly submitted to Blackboard before the deadline. **No late submissions are accepted!**

**EXAMS:** There will be two midterm exams and a final. The exams will assess integration of material from the textbook, other assigned readings, and in-class exercises. The exams may consist of short answer/discussion, problems, and or objective (T/F and/or multiple choice) questions.

The final exam will be comprehensive and mandatory.

**NO MAKE-UP EXAMS:** **If you miss a test without a valid excuse, then your grade for that exam will be zero.** If you miss a test with a valid excuse and provide proper documentation to the instructor, your final exam grade will be used as the grade for the missed exam. Documentation must be given to your instructor no later than one week following the missed exam, and this policy will apply to only one missed exam. A grade of zero will be given for any subsequent missed exams. Examples of valid excuses are serious illness, death in the direct family, and participation in University sponsored events. Examples of valid documentation are a doctor's note, death certificate or funeral program, memo from the UTA Athletic Dept, etc. *No makeup exams will be given under any circumstance.*

If you have any question concerning a grade you receive on an assignment or exam, it is your responsibility to inform the instructor within one week after the grades are posted. Grades will not be discussed after that time.

**DESCRIPTIONS OF MAJOR ASSIGNMENTS AND EXAMINATIONS WITH DUE DATES:**

Jan 16	First day of class
Jan 31	Census Date
Feb 15	Exam 1
Mar 30	Last day to drop class
Apr 12	Exam 2
May 4	Last day of class
May 10	Final exam

**GRADING POLICY:** Grades will be calculated as follows:

Work	Percent
Quizzes	4%
Class exercises	20%
Homework	6% each * 3 = 18%
Mid-exams	15% each * 2 = 30%
Final exam	20%
Project	8%
Total:	100%

Your letter grade will be determined using the following scale.

90% and above	A	60% to 69.9999%	D
80% to 89.9999%	B	Below 60%	F
70% to 79.9999%	C		

Please note that I do *not* curve grades. You will receive the grade that you earn. If you are having difficulties, please make an appointment to talk with me.

**INCOMPLETE GRADES:** Instructors are not obligated to give "incomplete" grades. A grade of Incomplete will only be given under extraordinary unforeseen circumstances, at the instructor's discretion, for students who have completed more than 90% of the course and cannot complete the remaining requirements. Poor performance, absences, and travel are not considered sufficient grounds for incompletes.

**GRADE GRIEVANCES:** Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current undergraduate catalog. see [http://wwweb.uta.edu/catalog/content/general/academic\\_regulations.aspx#18](http://wwweb.uta.edu/catalog/content/general/academic_regulations.aspx#18).

**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://wwweb.uta.edu/aao/fao/>).

**DISABILITY ACCOMMODATIONS:** UT 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), The Americans with Disabilities Amendments Act (ADAAA), and Section 504 of the Rehabilitation Act. 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 disability. Students are responsible for providing the instructor with official notification in the form of a letter certified by the Office for Students with Disabilities (OSD). Only those students who have officially documented a need for an accommodation will have their request honored. Students experiencing a range of conditions (Physical, Learning, Chronic Health, Mental Health, and Sensory) that may cause diminished academic performance or other barriers to learning may seek services and/or accommodations by contacting: The Office for Students with Disabilities, (OSD) [www.uta.edu/disability](http://www.uta.edu/disability) or calling 817-272-3364. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability).

Counseling and Psychological Services (CAPS) [www.uta.edu/caps/](http://www.uta.edu/caps/) or calling 817-272-3671 is also available to all students to help increase their understanding of personal issues, address mental and behavioral health problems and make positive changes in their lives.

**NON-DISCRIMINATION POLICY:** The University of Texas at Arlington does not discriminate on the basis of race, color, national origin, religion, age, gender, sexual orientation, disabilities, genetic information, and/or veteran status in its educational programs or activities it operates. For more information, visit [uta.edu/eos](http://uta.edu/eos).

**TITLE IX POLICY:** The University of Texas at Arlington ("University") is committed to maintaining a learning and working environment that is free from discrimination based on sex in accordance with Title IX of the Higher Education Amendments of 1972 (Title IX), which prohibits discrimination on the basis of sex in educational programs or activities; Title VII of the Civil Rights Act of 1964 (Title VII), which prohibits sex discrimination in employment; and the Campus Sexual Violence Elimination Act (SaVE Act). Sexual misconduct is a form of sex discrimination and will not be tolerated. For information regarding Title IX, visit [www.uta.edu/titleIX](http://www.uta.edu/titleIX) or contact Ms. Jean Hood, Vice President and Title IX Coordinator at (817) 272-7091 or [jmhood@uta.edu](mailto:jmhood@uta.edu).

**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.

**ELECTRONIC COMMUNICATION:** 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>.

**CAMPUS CARRY:** Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes as prohibited. Under the new law, openly carrying handguns is not allowed on college campuses. For more information, visit <http://www.uta.edu/news/info/campus-carry/>

**STUDENT FEEDBACK SURVEY:** At the end of each term, students enrolled in face-to-face and online classes categorized as “lecture,” “seminar,” or “laboratory” are directed to complete an online 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 via the SFS database is aggregated with that of other students enrolled in the course. Students’ anonymity will be protected to the extent that the law allows. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback is required by state law and aggregate results are posted online. Data from SFS is also used for faculty and program evaluations. For more information, visit <http://www.uta.edu/sfs>.

**FINAL REVIEW WEEK:** for semester-long courses, 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 exit, which is located [insert a description of the nearest exit/emergency exit]. 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 individuals with disabilities.

**STUDENT SUPPORT SERVICES:** 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](mailto:resources@uta.edu), or view the information at <http://www.uta.edu/universitycollege/resources/index.php>.

**The instructor reserves the right to make changes to the syllabus as necessary by either verbal or written statement. It is the student’s responsibility to be aware of these changes.**

### INSY 4315 Schedule (Subject to change)

Week	Tuesday	Thursday
1	Jan 16 Introduction, Objective & Expectations	Jan 18 Chapter 2 HTML
2	Jan 23 Chapter 2 HTML	Jan 25 Chapter 3 HTML 5
3	Jan 30 Chapter 4 CSS <b>Assignment 1 due</b>	Feb 1 Chapter 4 CSS
4	Feb 6 CSS Layout	Feb 8 Chapter 5 CSS 3.0
5	Feb 13 Catch-up and review Chapters 2-5	Feb 15 <b>Exam 1</b>
6	Feb 20 Chapter 8 JavaScript <b>Assignment 2 due</b>	Feb 22 Chapter 9 JavaScript
7	Feb 27 Chapter 9 JavaScript	Mar 1 Chapter 10 JavaScript
8	Mar 6 Chapter 10 JavaScript	Mar 8 Chapter 11 JavaScript <b>Project Progress Report due</b>
9	Mar 13 Spring break	Mar 15 Spring break
10	Mar 20 Chapter 11 JavaScript	Mar 22 Chapter 12 DOM Scripting
11	Mar 27 Chapter 12 DOM Scripting	Mar 29 Chapter 12 DOM Scripting
12	Apr 3 Chapter 13 JavaScript Event Handling	Apr 5 Chapter 13 JavaScript Event Handling <b>Assignment 3 due</b>
13	Apr 10 Cookies and JQuery	Apr 12 <b>Exam 2</b>
14	Apr 17 Chapter 20 ASP.NET	Apr 19 Chapter 20 ASP.NET
15	Apr 24 Chapter 20 ASP.NET	Apr 26 Chapter 21 ASP.NET
16	May 1 Chapter 21 ASP.NET	May 3 Catch-up and final review <b>Project due</b>
17	<b>Final Exam: Thursday, May 10, 11:00 am-1:30 pm</b>	