Advanced Web Development
INSY 4315 – 001
Spring 2017

INSTRUCTOR: Karen Sarratt Scott
OFFICE: COBA Room 515
EMAIL: sarratt@uta.edu
OFFICE HOURS: MW 5:00 – 5:30 / by appointment
CLASS TIME: MW 5:30 PM – 6:50 PM
CLASS MEETING: Rm. 349 COBA
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-size 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.

COURSE REQUIREMENTS: There will be 3 programming assignments (projects), 4 quizzes, 1 midterm exam, and a comprehensive final exam.

CLASS POLICIES

ATTENDANCE: Attendance is considered 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 otherwise), any assignments due, any announcements made in class, etc.. Frequent absences may negatively affect your grade.

READING ASSIGNMENTS: You are expected to read and study the textbook and any other reading materials as instructed. If you don't understand the material, be sure to ask.

IN-CLASS EXERCISES: We will do many hands-on programming activities in class. It will be to your benefit to be present and to participate. These in-class exercises will help you with your projects, exams, and overall success in this course.

ASSIGNMENTS: There will be three (3) programming assignments (projects). You are responsible for making sure you have properly submitted the corredct file by the due date specified in the course schedule (page 4). **Late submissions will be accepted but with a 20-point penalty per calendar day that it is late.**

EXAMS: There will be a midterm exam and a comprehensive final exam. The exams will cover material from the textbook, other assigned readings (if any), in-class exercises, projects, and any other assigned material. The exams may consist of short answer/discussion questions, coding problems, and or objective (T/F and/or multiple choice) questions.

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.

MISSED EXAMS: There will be **NO MAKE-UP EXAMS and NO EARLY/RESCHEDULED EXAMS. If you miss a quiz or an exam** *without* **a valid excuse, then your grade for that quiz/exam will be zero**. If you miss a quiz or the midterm exam *with a valid excuse and provide proper documentation to the instructor within one week of the quiz/exam date*, your final exam grade will be used as the grade for the missed quiz/exam. ***This policy applies to only one quiz or exam***.

If you miss the **final exam** *with a valid excuse and provide proper documentation to the instructor within 3 calendar days of the final exam date*, you will receive an **Incomplete** and will have to take the final exam the following semester. 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 or early/rescheduled exams will be given under any circumstance*.

IN THE CLASSROOM: Please be respectful of your classmates and your instructor at all times. All sound-generating devices (cell phones, tablets, computers, etc.) should be silenced, and headphones (unless medically-necessary) should be removed during class. **Students should refrain from any activities not directly related to what is required for class.** This includes unnecessary talking, use of phones or other electronic devices, working on other classwork, etc.. **Failure to abide by this policy may negatively affect your grade.**

GRADING POLICY: Grades will be calculated as follows:

Work	Percent
Quizzes (4)	8%
Project 1	10%
Project 2	15%
Project 3	20%
Midterm Exam	20%
Final Exam	27%
Total:	100%

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

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://wweb.uta.edu/catalog/content/general/academic_regulations.aspx#18.

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.

Course Schedule

(Subject to change**)**

Week	Monday	Wednesday
1/16		Introduction, Objective & Expectations
1/23	Ch. 1 Intro, Ch. 2 HTML5 – Part 1	Ch. 2 HTML5 – Part 1 (cont.)
1/30	Ch. 3 HTML5 – Part 2 Project 1 Assigned	Ch. 4 CSS – Part 2
2/6	**Quiz 1**	Ch. 4 CSS – Part 1(cont.)
2/13	Ch. 5 CSS – Part 2	Ch. 5 CSS – Part 2 (cont.)
2/20	**Project 1 Due**	Ch. 6 - 10 JavaScript Project 2 Assigned
2/27	Ch. 6 - 10 JavaScript (cont.) **Quiz 2**	Ch. 6 - 10 JavaScript (cont.)
3/6	Ch. 6 - 10 JavaScript (cont.)	**Midterm Exam**
3/13	SPRING BREAK	SPRING BREAK
3/20	Ch. 6 - 10 JavaScript (cont.)	Ch. 11 JavaScript **Project 2 Due**
3/27	**Quiz 3**	Ch. 11 JavaScript (cont.) Project 3 Assigned
3/27	Ch. 12 DOM Scripting	Ch. 13 JavaScript Event Handling
4/3	Ch. 13 JavaScript Event Handling (cont.)	Ch. 18 Database
4/10	Ch. 18 Database (cont.)	Ch. 20 ASP.NET
4/17	**Quiz 4**	Ch. 20 ASP.NET (cont.)
4/24	Project Work Day	Project 3 Due
5/1	Final Exam Review	
5/8	**Final Exam – Monday, 5/8, 5:30**	

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

UNIVERSITY and COLLEGE POLICIES

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 University Catalog: http://catalog.uta.edu/academicregulations/grades/#undergraduatetext

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/).

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).** 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 or calling 817-272-3364.
Counseling and Psychological Services, (CAPS) www.uta.edu/caps/ or calling 817-272-3671.

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 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. For information regarding Title IX, visit* www.uta.edu/titleIX.

Academic Integrity: Students enrolled all UT Arlington courses 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.*

UT Arlington faculty members 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.

Student Feedback Survey: At the end of each term, students enrolled in classes categorized as "lecture," "seminar," or "laboratory" shall be 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 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 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, or view the information at http://www.uta.edu/universitycollege/resources/index.php

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. Non-emergency number 817-272-3381