

**SYLLABUS SPRING 2013**  
**CSCI 440 – Applied Software Project Development**  
**SECTION: 440.001, Room: EDS 129**  
**Day and Time: Thur. 4:30PM-7:10PM; Meets 1/14/2013 through 5/10/2013**

**Instructor:** Dr. Abdullah N. Arslan  
**Office Hours:** TWR 2:30pm-4:30pm at JOUR 206

**Office:** JOUR 206

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## **COURSE DESCRIPTION**

**Prerequisites:** CSCI359, CSCI380, and (MIS 328 or permission of instructor)

**Recommended Text:** *Systems Analysis and Design in a Changing World* (Fifth Edition), 2009, John W. Satzinger, Robert B. Jackson, Stephen D. Burd, ISBN: 9781423902287

**Course Content:** We review briefly the topics on the traditional and object oriented approaches to software development covered in prerequisite courses. The students will put their knowledge on these topics at work on the projects they select at the beginning of the semester.

**Main Objective:** To learn basics of the software engineering (SE) process life cycle, and develop a project with which the acquired knowledge is put into practice. The project is a major component of this course

### **Objectives:**

1. Develop and maintain an informational and project repository web site for an application project.
2. Use Microsoft Visio to create, edit, and publish to a web site traditional process model diagrams.
3. Use Microsoft Visio to create, edit, and publish to a web site Entity-Relationship diagrams.
4. Develop and use a team constitution.
5. Solve team conflicts in a project building environment.
6. Build user-friendly, aesthetic, and functional interfaces for application software projects.
7. Create a database using an Entity-Relationship diagram.
8. Develop and implement a system application project in an object-oriented programming language using traditional process model diagrams as a guide.
9. Connect a database and interface to software project.
10. Create system documentation including help files, diagrams, and programming code.
11. Present the final project to an audience consisting of faculty, peers, administrators, and business leaders.
12. Evaluate other team members based upon specific criteria. (Derived based on team member evaluations.)

## **COURSE EVALUATION**

### **Basis for Evaluation:**

Assignments/project documentation	35%
Midterm Project Presentation	15%
Midterm Exam	10%
Final Project Presentation	25%
Final Exam	15%

**Grading Policy:** **A:** 100%- 90%  
**B:** 89% - 80%  
**C:** 79% - 70%

**D:** 69% - 60%  
**F:** Less than 59 %

#### TOPICS/ACTIVITIES BY WEEKS

WEEK	TOPIC
1-2	Project selection
3	Project launch, team introductions, scope, planning
4-5	Project Analysis
6	Midterm Project Presentation and Midterm Exam
7-9	Project Design
10-13	Project Implementation and Testing
14	Final Project Presentation and Final Exam

<b>Final Test</b>	<b>Section:</b> 440.001	<b>Date:</b> TBA	<b>Time:</b> TBA
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#### COURSE POLICIES

Due dates for parts of projects will be announced later

##### **Late Policy:**

NO late assignments and project will be accepted.

##### **Make-up Policy:**

No individual make-up test will be permitted except in the case of a formal institutional excuse. There will be no makeup for assignments and project.

##### **Attendance:**

"Students are expected to be present for all class meetings of any course for which they are enrolled. Per University Procedure A13.02, effective September 1, 1996, students are responsible for learning about and complying with the attendance policy stated in the catalog, Student's Guidebook, and/or faculty syllabus. It is the prerogative of the faculty to drop students from courses in which they have accrued excessive absences as defined in the course syllabus." Student Handbook

After a student's third absence, the professor may drop the student from the course. If this is not possible then the final grade for the course will become an automatic F. Lateness and leaving class early may count as an absence and are not acceptable unless you are ill or a family emergency exists. If you miss a class, it is your responsibility to obtain notes from a fellow student. Office hours are not meant for individual lectures. Any class material missed by the student is the student's responsibility to acquire.

The professor may make supplementary information for the course available online. These include class notes, assignments, PowerPoint slides, class announcements, the course syllabus, test dates, etc. The professor will announce in class when such information becomes available electronically. It is the student's responsibility to follow these announcements.

##### **Drops:**

If the student finds that he/she cannot complete the course, he/she must not forget to drop on time.

##### **Academic Integrity:**

The university, college, and department policies against academic dishonesty will be strictly enforced. The instructor has a NO TOLERANCE policy for cheating. Students guilty of an act of academic dishonesty in this course will be subject to receiving an "F" in this course. Academic

dishonesty includes, but is not limited to, cheating, plagiarizing, fabricating of information or citations, facilitating acts of academic dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students.

**Accommodation Policy for Students with Disabilities:** The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact: **Office of Student Disability Resources and Services, Texas A&M University-Commerce, Gee Library, Room 132, Phone (903) 886-5150 or (903) 886-5835, Fax (903) 468-8148, StudentDisabilityServices@tamuc.edu**

**Disclaimer:**

The professor maintains the right to modify the course schedule, policies and procedures any time during the semester in the event of extenuating circumstances. This syllabus will be discussed in the first lectures. **Some changes are likely within the first two weeks of the semester**