

## COSC 6319: Software Engineering 2018 Spring

### **Course Information**

Instructor: Mingkui Wei, Ph.D.  
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Class Time: 1:00 – 1:50pm, Mon, Wed & Fri  
Office Hour: 10:00 – 11:00am, Mon, Wed & Fri, or by appointment.

### **Prerequisites**

- Reasonable programming capability.
- Good teamwork capability.

### **Description**

Methods for software engineering methodologies, conventional as well as object-oriented, are discussed. Software measurement and management are discussed. Formal mechanisms for system specification, software development, and project management are introduced. Team projects are assigned to students to practice the activities/processes on software product development.

### **Objectives**

This course emphasizes strategies, techniques, and methodologies that deal with the complexity in developing large-scale information systems. Students are expected not only to understand the fundamentals of methodologies and formal techniques, but also to apply the knowledge and techniques in real work environments and improve the programming and project development capabilities.

### **Textbooks (Recommend)**

- “Software Engineering A Practitioner’s Approach,” 8<sup>th</sup> Edition, by Roger S. Pressman and Bruce R. Maxim.

### **Course Structure**

- Assignments: Assignments is to be finished individually. Student will be asked to review in-class material and read/research off-class material, and answer questions.
- Project: Project expands the whole semester and to be finished by a team. The project include tasks that asks students to collaborate, communicate, composing report and making presentation.
- Exams: 2 midterms, close book. There is no final exam.

### **Grading**

Component	Value	Comment
Homework	10%	Grade will be evenly divided to all homework assignments.

Project	45%	See project detail.
Midterm exam x2	20% each	All exams are cumulative: each exam covers material given from the 1 <sup>st</sup> day till the time of exam. Exam time will be informed at least 1 week in prior.
On-time attendance	5%	On-time attendance is required. Student must arrive within 10 minutes from the start of class.

**Grading Scale**

A:  $\geq 90$ ;

B:  $\geq 80$  &  $< 90$ ;

C:  $\geq 70$  &  $< 80$

D:  $\geq 60$  &  $< 70$ ;

F:  $< 60$ .

**Late Assignments**

For homework, score will be deducted by 20% for each 24 hours past the deadline, and won't be accepted if submitted later than 120 hours.

**Attendance/Absence Policy**

In accordance with University Policy, regular attendance is required and your attendance will be seriously monitored. Students are expected to arrive to the classroom on time, otherwise no full attendance credit for the day will be given. You are responsible for all material covered in every class, regardless of whether you attended or not. It is your responsibility to obtain notes, assignments, etc., from fellow class members if you miss a class.

**Academic Integrity**

All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. The university and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including, but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials.

Students should be aware that the instructor reviews all programming assignments and exercises for evidence of collaborative work. While it is sometimes appropriate and encouraged for students to discuss concepts and ideas, it is never permissible (unless otherwise stated) to collaboratively work on coded assignments, to share or swap completed or partially completed programming assignments. In addition it is not permitted for students to use code examples provided by the instructor and/or found online, without appropriate documentation/citation of the use of that code.

**Class Conduct**

Student will refrain from behavior in the classroom that intentionally or unintentionally disrupts the learning process and, thus, impedes the mission of the university. Cellular telephones and/or pagers must be turned off or muted during the class time. Students are prohibited from eating in

class, using tobacco products, making offensive remarks, reading newspapers, sleeping, talking among each other at inappropriate times, wearing inappropriate clothing, or engaging in any other form of distraction. Inappropriate behavior in the classroom shall result in a directive to leave class or being reported to the Dean of Student for disciplinary action in accordance with university policy.

### **Visitors in Classroom**

Occasion visiting of class by responsible persons is allowed with prior arrangement with the instructor, as long as it does not interfere with the registered members of the class or the educational process.

### **Americans with Disabilities Act**

Students with disabilities covered by the Americans with Disabilities Act should go to the Counseling Center and Service for Students with Disabilities (SSD) in a timely manner to obtain the documentation required. Students are responsible for initiating the process of documenting the need for an accommodation under the ADA act.

Any student with a disability that affects his/her academic performance should contact the Office of Services for Students with Disabilities in the SHSU Lee Drain Annex (telephone 936-294-3512, TDD 936-294-3786) to request accommodations.

### **Religious Holidays**

An institution for higher education shall excuse a student from attending class or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence.