

# CS 346 Software Science

## *Instructor*

**Name:** Min Chen

**Email:** chen@cs.umt.edu

**Phone:** 243-2886

**Office Hours:** T/R 10:00am – 11:00am and 2:00pm – 4:00pm @ SS 413 or by appointment

## *Textbook*

Ian Sommerville, “Software Engineering” 8<sup>th</sup> Edition. ISBN: 0321313798 - Required

## *Course Objective*

This course introduces the subject of software engineering. In this course, you will be exposed to a broad and detailed discussion of how small, medium and large software systems are developed, how teams work together to produce software, and how software engineers work with customers, management, and each other. You will learn a number of methodologies and tools currently being used in software development.

## *Course Information*

Prerequisite: CS 132 or consent of instructor

Course Schedule: T/R 11:10am – 12:30pm @ SS 362

Topics:

- Basic overview of software engineering
- Requirements elicitation, documentation, review, and finalization
- System modeling
- Design generation and documentation
- Implementation strategies
- Testing preparation, execution, and error correction
- Deployment
- Training
- Maintenance

## *Grading Policy*

### **Grading Scale**

- Tests (2 @ 15% each and final @ 20%)

50%

- Assignments: 40%
- Class quiz/attendance/participation 10%

**NOTE:**

Attendance - arrive within five minutes of class start time and remain attentive for the duration of class

Participation - contribute to class discussion

### ***Class Policies***

**LATE POLICY:**

If you cannot present when you are scheduled, individually or as a group, there will be a 100% late penalty.

**CHEATING:**

Plagiarism will be handled harshly, as per the Student Conduct Code. You may fail the assignment or the course.

**ASSIGNMENT AND EXAM:**

- Unscheduled test or exam will not be administered, except on the grounds of medical reasons. Hence it is your responsibility to plan ahead so that there is no interruption in your study.
- Assignments are to be submitted in class on the due date specified. Late assignments will not be accepted, except on the grounds of valid medical reasons.