

Computer Science Department, University of Missouri-Columbia, Fall, 2003

CECS 332 SOFTWARE ENGINEERING I

Instructor: Dr. Marjorie Skubic
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Class Time: 11:00 a.m. – 12:15 p.m. TTh
Room: E1419 Engineering Building East
Office Hours: 2 – 3:30 p.m. Tues. & Thurs.

Web: <http://www.cecs.missouri.edu/~skubic/332/>
And WebCT at <http://courses.missouri.edu>
Please check the course web page regularly for announcements and updates

Prerequisite: CECS 231
object oriented programming experience is recommended

Text

Ian Sommerville, *Software Engineering*, 6th edition, Addison Wesley, 2001.

Course Description:

This course is designed to introduce the basic concepts of software engineering including software process models, system architecture models, software models, and software testing, as well as professional and ethical responsibilities. Due to the practical nature of this course, the lectures will be extremely task-oriented with frequent in-class group activities.

Course Goals

1. Introduce an organized and systematic approach to developing software
2. Provide practice in requirements specification, analysis, design, implementation, and testing of a software system
3. Provide experience in software development within a team setting

Homework:

There will be several homework assignments throughout the semester relating to the current lecture topics. These assignments will usually be taken from the exercises at the end of each chapter in the course textbook. Late assignments will be penalized 10% per day up to a max of 50%. I will not accept late assignments after the date on which the following assignment is due or after the solutions have been posted or discussed in class.

Final Project:

The final project is the primary focus of this class. Students are expected to work together in groups of 3 – 5 members and produce a working system for a real-world client. The client may be a business, organization, instructor, friend or relative, as long as they can provide a list of requirements. Students are expected to document their entire software process, demonstrate their finished product, and provide a plan for system maintenance and support. Please see the instructor or teaching assistants early in the semester if you are having difficulty finding a client or other group members.

Exams:

There will be two midterm exams, both comprehensive. All exams are closed-book. Class notes will not be allowed during the exams unless stated otherwise by the instructor. The format of the exams will be mixed with some multiple choice, true/false, short answer, essay, and diagram-based questions.

Attendance

Because much of your learning in this course will take place in class, you are expected to attend every class and participate in all activities. You will be responsible for any material covered, work assigned, or announcements made during class. If you are unable to attend for any reason, please notify either the instructor or TA. Lecture slides and other course materials will be available via the class home page and WebCT.

Grading

The grades will be distributed as follows:

Assignments	20% (includes class activities)
Exam 1	20%
Exam 2	30%
Final Project	30%

Academic Dishonesty

Academic honesty is fundamental to the activities and principles of a university. All members of the academic community must be confident that each person's work has been responsibly and honorably acquired, developed, and presented. Any effort to gain an advantage not given to all students is dishonest whether or not the effort is successful. The academic community regards academic dishonesty as an extremely serious matter, with serious consequences that range from probation to expulsion. If you have any questions about plagiarism, paraphrasing, quoting, or collaboration, please ask me in advance.

From Webster's New Collegiate Dictionary, to plagiarize is "to steal and pass off (the ideas or words of another) as one's own use without crediting the source."

Please supply supporting references where appropriate. If phrases are copied verbatim, they must be shown as direct quotes. Attempts at plagiarism will be given a grade of 0 points.

ADA Statement:

If you need accommodations because of a disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please inform me immediately. Please see me privately after class. Please also notify the Office of Disability Services (A048 Brady Commons, 882-4696); reasonable efforts will be made to accommodate your needs. To request academic accommodations (for example, a note taker), students must also register with Disability Services, AO38 Brady Commons, 882-4696. It is the campus office responsible for reviewing documentation provided by students requesting academic accommodations, and for accommodations planning in cooperation with students and instructors, as needed and consistent with course requirements. Another resource, MU's Adaptive Computing Technology Center, 884-2828, is available to provide computing assistance to students with disabilities. For more information about the rights of people with disabilities, please see ada.missouri.edu or call 884-7278.