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CS 346.01: Software Science

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CS346
Software Science

Instructor: Jerry Esmay
Office: SS401
Phone: 243-2883
Office Hours: 10:00-11:00 MWF

COURSE SYLLABUS

Textbooks:

Pressman, R. (2001) "Software Engineering—a Practitioner's Approach." (5th ed.) (Required)
Schach, S. (1999) "Classical and Object-Oriented Software Engineering" (4th ed.) (Optional)

Purpose:

The course is intended to be an investigation of the subject of software engineering in detail. You have already touched upon this subject in the CS131 sequence and possibly in other programming language courses such as BASIC, COBOL, etc. However, in this course you will be exposed to a more detailed discussion of how large, complex software systems are developed. You will learn about a number of methodologies and tools used in software development.

Approximately 20% of the course content will be related to ethics, computer crime, and the impact of the computer technology on our society.

Homework Assignments:

A number of homework assignments will be made during the semester. Many of the assignments will be accomplished in a team effort, although some will be individual requirements. Assignments and due dates will be issued as the semester evolves.

Exams:

There will be one midterm exam and a final during the semester.

Grading: (TENTATIVE)

Course grades will be assigned on the basis of the total points accumulated during the semester. Points can be earned for the following activities:

Requirement	Points
*****	*****
Homework (Ind.)	25
Homework (Group)	25
Midterm Exam	25
Final Exam	25

Total	100

Letter grades will be administered using the following point spread:

A	90-100
B	80-89
C	70-79
D	60-69
F	Below 60
Pass	70 or better

The instructor may award border-line students the next higher letter grade if the student has demonstrated positive class participation and an increasing grade trend during the semester. Incompletes will be assigned only under unusual circumstances which are acceptable to the instructor.

Class Conduct:

If you do not plan on paying attention, please do not come to class. If you must arrive late or leave early, do so quietly.

Plagiarism on homework assignments, cheating on tests, use of inappropriate language (oral or written), or misuse of the computer facilities will not be tolerated. Offenders will be prosecuted to the fullest extent of the University Student Conduct Rules.

Other:

I plan on making this one of the most memorable classes you take in college, but I will need your help in doing so! If you do not understand something during the lectures, ask for clarification. If you need extra help see me early.

COURSE SCHEDULE—AUTUMN 2000

Session *****	Date ****	Reading Assignment * *****
1	September 6	None
2	8	Chapter 1
3	11	" 1
4	13	" 2
5	15	" 2
6	18	" 3
7	20	" 3
8	22	" 3
9	25 (LAST DAY TO ADD/DROP BY DIAL BEAR)	4
10	27	" 4
11	29	" 4
12	October 2	" 5
13	4	" 5
14	6	" 5
15	9	" 6
16	11	" 6
17	13	" 6
18	16 (LAST DAY TO ADD/DROP)	" 7
19	18	" 7
20	20	MIDTERM EXAM
21	23	" 8
22	25	" 8
23	27	" 9
24	30	" 9
25	November 1	" 10
26	3	" 11
27	6	" 11
28	8	" 12
29	10	VETERANS DAY
30	13	" 13
31	15	" 14
32	17	" 15
33	20	" 16
--	22-24	Thanksgiving Vacation
34	27	" 17
35	29	" 18
36	December 1	" 19
37	4	" 20
38	6	" 21
39	8 (LAST DAY TO WITHDRAW)	" 22
40	11	" 23
42	13	" 24
43	15 (LAST DAY FOR DROP PETITION)	Course Review
--	21 (8:00-10:00AM)	FINAL EXAM

* The reading assignments are out of the Pressman text.