

CS 482: Software Engineering

Spring 2009

Instructor:

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Course web page <http://www.cs.loyola.edu/~binkley/482>.

Office Hours: 1:00 - 2:00 MWF or by appointment (use email)

Texts:

S. Pfleeger, *Software Engineering Theory and Practice*, 3rd edition Prentice Hall. ISBN 0-13146913-4.

(optional) R. Beizer, *Software Testing Techniques*, 2nd edition, Van Nostrand Reinhold.

Grading:

Five problem sets:	15%
Midterm:	15%
Project:	70%
Slush:	?%
Total:	10?%

Late work:

Assignments are due on their due date at (or before) the start of class; assignments handed in after that time lose 10% a day (a day is defined as 24 hours).

Cheating:

Don't.

(my best guess at what will not be the) Schedule:

Week	Topic	Chapter	Week	Topic	Chapter
1	modeling	1,2	9	testing	8
2	planning	3	10	testing	9
3	requirements and risks	4	11	maintenance	11
4	design	5	12	extreme programming	
5	objects	6	13	test-driven development	
6	objects	6	14	user interface design	
7	coding ** midterm **	7	15	grab bag	
8	** spring break **		16	project demos	

Learning Outcomes (by the end of the course you should expect to be able to make the following statements)

1. I can estimate the time taken to write a large piece of software.
2. I can evaluate the risks to a software project.
3. I can verify that a test set effectively exercises a software system.
4. I can design solutions using software engineering approaches that integrate ethical, social, legal, and economic concerns.
5. I can assess the difficulty associated with making a change to a software system specification before and after delivery.
6. I can explain at least one modern approach to software engineering.

If you have a disability which is documented with the Disability Support Services Office and wish to discuss academic accommodations with me, please contact me as soon as possible.