

COURSE SYLLABUS

DEPARTMENT: Dept. of Computer Science
COURSE NUMBER: COSC 4351
NAME OF COURSE: Fundamentals of Software Engineering
NAME OF INSTRUCTOR: Dr. Raj Singh
CLASS WEBSITE: <http://www.cs.uh.edu/~rsingh>

Learning Objectives

Introduction to the concepts of software engineering. Identification of problems related to the development of large software systems. Software project planning, requirements analysis, design, implementation, quality assurance and maintenance.

Major Assignments/Exams – Distribution may change

Assignments:	40%,
Project:	20%,
Quizzes:	10%
Midterm 1:	15%
Midterm 2:	15%

Grading Policy

A 93 - 100%	A- 90 - 92.9%	
B+ 87 - 89.9%	B 83 - 86.9%	B- 80 - 82.9%
C+ 77 - 79.9%	C 73 - 76.9%	C- 70 - 72.9%
D+ 67 - 69.9%	D 63 - 66.9%	D- 60 - 62.9%
F 0 - 59.9%		

Textbook - Recommended

Roger Pressman, Software Engineering: A Practitioner's Approach, 8th edition, McGraw Hill, ISBN 0078022126

Additional Material

Class Notes, slides, and online resources.

List of discussion/lecture topics (subject to change)

- Nature of software

- Software process
- Agile Software Development Principles and Practices
- Requirements and modeling
- Software design, design concepts
- Software quality, testing
- Project planning and estimation
- Maintenance and reengineering
- Process improvement

Important

- No late submissions allowed on any assessments.
- All members must contribute equally in all group/team activities.