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%,  
Midterm 1: 20%  
Midterm 2: 20%

Textbook - Recommended

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 assignments / homework.
- Homework and assignments will be posted on class website. In some cases, directly to your SVN folder.