**COURSE SYLLABUS**

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**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

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**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%

**Grading Policy**

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<tr>
<th>Grade</th>
<th>Percentage</th>
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<tr>
<td>A</td>
<td>93 - 100%</td>
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<tr>
<td>A+</td>
<td>87 - 89.9%</td>
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<td>B</td>
<td>83 - 86.9%</td>
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<td>80 - 82.9%</td>
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<td>73 - 76.9%</td>
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**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.