

# Department of Computer Science Purdue University

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## Tentative Course Details - Fall 2003

(The instructor reserves the right to adjust the syllabus when required)

### Course:

No : CS 406  
Title : Software Engineering I  
Class Times : TTh 3.00am - 4.15pm; Room : LILY 3118  
PSO : Mondays 3.30pm - 4.20pm; Room : PRCE 277

### Instructor:

Name : Vineeth K Paleri  
Office : CS G60  
Office Hours : TTh 1.45pm - 2.45pm or by appointment  
Tel : 765-494-7807  
Email : vpaleri@cs.purdue.edu

### Teaching Assistants:

Name	: Sundararaman Jeyaraman	Hong Liang
Office	: REC 224	PHYS 12
Office Hours	: Thursday 10.30am - 11.30 am	Tuesday 10.30am - 11.30 am
Tel	: 496-6768	496-2779
Email	: jsr@cs.purdue.edu	liangh@cs.purdue.edu

### Course Objective:

- To introduce the students to the principles of software engineering.
- To equip the students to capture the complexity of software development by practice, having a systematic phase by phase approach.

### Required Text Book:

Timothy C Lethbridge and Robert Laganier. Object-Oriented Software Engineering: Practical Software Development using UML and Java. McGraw Hill, 2001.

Additional reading material may be assigned as needed.

**Course Schedule:**

	Topic
Week 01	Introduction to Software Engineering
Week 02	Object Orientation
Week 03	Developing Requirements
Week 04	Modeling with Classes
Week 05	Focusing on Users and their Tasks
Week 06	Managing the Software Process
Week 07	Managing the Software Process
Week 08	Modeling Interaction and Behavior
Week 09	Designing Software
Week 10	Designing Software
Week 11	Design Patterns
Week 12	Testing
Week 13	Maintenance
Week 14	Generative Programming
Week 15	Generative Programming

**Grading Policy:**

Term Project : 50%  
Mid-Term Exam I : 10%  
Mid-Term Exam II : 10%  
Final Exam : 30%

Grading will be relative.

**Exam Schedule:**

Mid Term I

Date : 30 September 2003

Time : 3.00pm - 4.15pm

Venue : LILY 3118

Mid Term II

Date : 4 November 2003

Time : 3.00pm - 4.15pm

Venue : LILY 3118

**Standard of Conduct:**

Each student is expected to adhere to high standards of ethical conduct, especially those related to cheating and plagiarism.

Any submitted work MUST BE an individual effort or permitted team effort. Any academic dishonesty (e.g., code copy and modification, non-permitted cooperative efforts, etc.) will result in a failing grade.