

# Reading Assignments and Approximate Lecture Presentations

Spring 2008

**Overview – Please note the topics that follow will change and be refined. They may be rearranged also. Presentations (not indicated) will be interspersed also.**

Interaction Diagrams – Review and redone.

User Interface Design  
User Interface Design

Architectural Design  
Arch Design  
Arch Design  
Arch Design  
Arch Design

Non-Functional Design; Mechanisms  
Persistency mechanism  
Security mechanism  
Detail Design–UC Design

**Examination #1**

Detail Design  
Finish UC Design  
Sub System Design  
Sub System Design  
  
Class Design  
Finish Class Design

Patterns  
Design Patterns  
Design Patterns

**Examination #2**

Testing  
Testing  
Testing  
Frameworks (time permitting)  
Frameworks (time permitting)

Demonstrations

**Examination #3 (possibly).** If so, each exam will count twenty percent of your grade; deliverables forth percent.

## Reading Assignments

(Note: pages may be off a bit due to continuing new editions of these books. If you have difficulty in finding these topics, please let me know.)

### User Interface Design

User Interface Design - OOSE, Chapter 7,  
Focusing on users and their tasks

### Architectural Design, Detailed Design, Some Implementation

Readings Chapter 9, OOSE, pp. 293 - 313;  
Study lecture slides  
Discussion: Architectural Design - Part 1.  
Read: OOSE book, Chapter 9, pp. 313 - 329

Architectural Design - Part 2  
Read OOSE, pp. 329 - end of chapter.  
Study Lecture Notes

Study Architectural patterns more from Chapter 9.  
Study of previous slides - Very important slides!!  
Read OOSE, Chapter 4: pp. 111-119

Readings: Chapter 9; pp 324-329; 442  
Study of previous slides  
Discussion: Architectural Design - Part 4.  
Read OOSE, Chapter 4: pp. 115-119

Due: Examination #1 coming..  
Readings Read: RUP book: 158-160.  
Study of previous slides  
Discussion: Architecture: Persistency Mechanism  
Study these slides very VERY closely! Try to see how these  
will support your architectural design.

Readings: Study previous slides on Persistence  
Read OOSE, pp. 115-119 again.  
Discussion: Security Mechanism (slides 1-15)

Discussion: Detail Design - Use Case Design  
Readings: OOSE, Chap 9: p 324-329  
Discussion: Design: Use Case Design

Discussion: Finish Use Case Design;

Study slides on Use Case design

Readings: Study slides on Subsystem Design.

Discussion: Detail Design: Subsystem Design

Readings: Study slides on Subsystem Design.

Discussion: Detail Design: Subsystem Design. (VOPC)

Readings: Chapters on Class Design: OOSE book.

Chapter 12, Visual Modeling book - look over.

Discussion: Class Design - 1

Readings: Chapters on Class Design: OOSE book.

Chapter 12, Visual Modeling book - look over.

Discussion: Class Design - 2 on your own.

Be very conversant up through slides 24 (factoring).

## Implementation

Readings: Read chapter 6, OOSE book on Design Patterns.

Discussion: Design Patterns - part 1

Readings: Finish Chapter 6, OOSE book on Design Patterns.

Discussion: Design Patterns - part 2

## Very tentative from here forward...

Testing lectures (four)

Readings: Read parts of chapter 3, OOSE book.

Discussion: Frameworks - 1

Readings: Read more on frameworks;

Discussion: Frameworks - Frameworks - 2