

**CIS 4328 - Senior Project 2**  
**CEN 6017 - Software Engineering 2**  
**Spring 2005 - 3/22/2005**

**Overview – Please note the topics that follow will change and be refined number of times...  
They may be rearranged also.**

**User Interface Design**

User Interface Design 1/10

**Architectural Design**

Arch Design 1/12  
Arch Design 1/19  
Arch Design (lect 27) 1/24 and  
Arch Design (lect 28) 1/24 quickly...

**Non-Functional Design; Mechanisms**

Persistency mechanism (lect 29) 1/26  
Laboratory Day 1/31  
Class Discussion on Deliverable #7 2/2  
Security mechanism (lect 30) 2/7  
Detail Design–UC Design (lect 31) 2/9

**Examination #1 2/14**

**Detail Design**

Finish UC Design (lec 31) 2/16  
Sub System Design (lec 32) 2/21  
Emergency Leave – Lab Day 2/23  
Go over exam; Questions 2/28  
Sub System Design (lec 33) 3/2  
  
Class Design 3/7  
Lab / Open team day; Meetings. 3/9  
Finish Class Design (lec 34) 3/14

**Patterns**

Design Patterns (lec 36) 3/16  
**Spring Break 3/21 – 3/26**  
Design Patterns 3/28

**Testing**

Testing 1 (lec 37) 3/30  
Laboratory Day 4/4 (or exam here...)  
**Examination #2 4/6 – Proctored**  
Testing 2 (lec 38) 4/11  
Testing 3 (lec 39) 4/13  
Testing 4 (lec 40) 4/18

**Demonstrations**

4/20

**Demonstrations**

During Final Exam period 4/25

## Introduction to Course

1. Wednesday, 01/05 Introduction to the Course  
Topics: Syllabus, Projects, Grading; Attendance; Teamwork, team leader  
My Availability...Expectations  
Topics to be covered...see link for tentative schedule.  
Project Deliverables...see link on web site  
"Readings due today:" homework/ reading/ work on.../ every night

### Required Readings due next Monday:

User Interface Design - OOSE, Chapter 7,  
Focusing on users and their tasks  
Lecture Notes: User Interface Design - (lecture 24)  
Download and bring to class.

## User Interface Design

2. Monday, 1/10  
Due: Nothing  
Readings due today: Chapter 7, OOSE; Study slides for lecture  
Discussion: User Interface Design (see Web Page for Slides)  
Homework: Study notes, read; be prepared for quiz.  
Read for Wednesday: OOSE book, Chapter 9, pp. 293 - 313

## Architectural Design

3. Wednesday, 1/12  
Due: Nothing; Be working on Deliverable #6.  
Readings due today:  
Chapter 9, OOSE, pp. 293 - 313; Study slides for lecture  
coming up today.  
Discussion: Architectural Design - Part 1. (see Web Page for Slides)  
Homework: Study notes, read; be prepared for quiz.  
Read for Wednesday: OOSE book, Chapter 9, pp. 313 - 329  
Study today's slides
4. Monday, 1/17 - No Class - Holiday
5. Wednesday, 1/19  
Due: Be working on Deliverable #6  
Readings due today:  
Chapter 9, OOSE, pp. 313-329  
Study previous lecture's slides  
Discussion: Finish Lecture 25, Architectural Design - Part 1.  
Lecture 26, Architectural Design - Part 2  
Homework: Study today's notes; read OOSE, pp. 329 - end of chapter.
6. Monday, 1/24  
Due: Deliverable #6 due on Wednesday.  
Readings due today:  
Study Architectural patterns more from Chapter 9.  
Study of previous slides - Very important slides!!  
Discussion: Lecture 27: Architectural Patterns - Part 3.  
Homework: Set up session with me to demo your interface asap.  
Read OOSE, Chapter 4: pp. 111-119

7. Wednesday, 1/26  
 Due: **Deliverable #6 due**  
 Readings due today: Chapter 9; pp 324-329; 442  
     Study of previous slides  
 Discussion: Lecture 28: Architectural Design - Part 4.  
 Homework: Set up session with me to demo your interface asap.  
     Read OOSE, Chapter 4: pp. 115-119
  
8. Monday, 1/31. Lab Day
  
9. Wednesday, 2/2.  
 Due: **Examination #1 coming.. 2/14.**  
 Readings due today:  
     Read: RUP book: 158-160.  
     Study of previous slides  
 Discussion: Lecture 29: Architecture: Persistency Mechanism  
 Homework: Study these slides very VERY closely! Try to see how these  
     will support your architectural design.
  
10. Monday, 2/7  
 Due: Deliverable #7 due on Wednesday  
 Readings due today: Study previous slides on Persistence  
     OOSE, pp. 115-119 again.  
 Discussion: Lecture 30: Security Mechanism (slides 1-15)  
 Homework: Finish up Deliverable #7
  
11. Wednesday, 2/9  
 Due: **Deliverable #7**  
 Discussion: Lecture 31: Detail Design - Use Case Design  
 Homework: Study for exam on Monday, Feb 14<sup>th</sup>.  
     Need scantron (brown) only.
  
12. Monday, 2/14  
 Due: **Exam #1 (proctored)**
  
13. Wednesday, 2/16  
 Due: Start considering Deliverable #8  
 Readings: OOSE, Chap 9: p 324-329  
 Discussion: Finish lecture 31 on Detail Design: Use Case Design  
 Homework: Start working on Deliverable #8  
     Study lecture notes!
  
14. Monday, 2/21  
 Due: Nothing. Study slides on Use Case design - lec 31.  
 Readings: Nothing additional.  
 Discussion: Finish Use Case Design; Catch up.  
 Homework: Work on Deliverable #8
  
15. Wednesday, 2/23  
 Due: Work on Deliverable #8  
     Study slides on Use Case design - lec 31.  
 Readings: Study slides on Subsystem Design.  
 Discussion: **Emergency leave; Death in family**  
 Homework: **DON'T** get behind on Deliverable #8.