

CIS 4327 - Senior Project 1

Required Reading Assignments - Spring 2007

Please note that this schedule is at best a 'Guide' as to our progress through this semester. But it will change from time to time. The objective is to provide an overview of where we plan to go and the reading assignments, anticipated lecture presentations, and very approximate due dates of Deliverables as well as anticipated exam.

→ **All of the readings that follow are required.**

→ **Please note that there will be information on exams that are not covered in the lectures by that will be covered in the readings listed below.**

I will not specifically tell you to read such and such pages. This will be up to you. However, the lectures and associated slides are **not enough** information. You are, again, **required** to do these readings. Exams and short quizzes will test your reading of these topics. They are essential for understanding the materials.

Readings approximately dovetail with the lectures as cited below. Pages are approximate as these darn publishers produce new versions every day, it seems!

Note: the numbers below do NOT correspond to lecture numbers, but they do reflect a guide.

Introduction

1. RUP, Chap 1, Software Development Best Practices, pp. 1-16
OOSE text: Chap 1, Software and Software Engineering, pp 1-24.

Software Engineering and Best Practices

2. RUP, Chap 1, Software Development Best Practices, pp. 1-16
OOSE text: Chap 1, Software and Software Engineering, pp 1-24.
Lecture Notes: Intro to Software Engineering and Best Practices - 1
Lecture Notes: Intro to Software Engineering and Best Practices - 2
3. RUP - Chapters 2 and 3
Lecture Notes on Best Practices - Part 3

The Development Process - the RUP

- 4 RUP Chapters 4-6
Lecture Notes on RUP
- 5 Read: How to Fail Miserably Using the RUP

6. RUP Chapters 7, 8
(Chap 8 is essential for Deliverable #1)
OOSE, Chapter 4, pp. 101-106
Read: How to Fail with the RUP - Steps to Pain and Suffering
Read this again!
-

Business Process and Domain Modeling

7. RUP - Chapter 8, Business Modeling Discipline
Lecture Notes: Domain Modeling
8. RUP - Chapter 9, The Requirements Discipline
Use Cases - Chapter 1, The Trouble with Requirements
Lecture Notes: Domain Modeling

Requirements Analysis

9. OOSE, Chapter 4, pp. 106-130
Lecture Notes: Requirements Analysis - Part 1:
The Trouble with Requirements
10. Use Cases - Chaps 2-3, pp 21-62.
Lecture Notes: Requirements Analysis - Part 2: Moving to Use Cases

End of Study Materials for Exam #1 approximately here

Use Case Modeling

11. Read: Use Cases, Chapters 3
Use Cases, Chapter 4 - Façade Use Cases
Lecture Notes: Use Case Driven Approach to Requirements
12. Visual Modeling, Chapter 3 and 4
Rose Basics - tools
Add Use Case Model - tools
13. Read: Chapter 5 and 6 - The Filled and Focused Iteration
Lecture Notes: The Structure of Use Cases
14. Read for next time: OOSE, Chapter 2, Review of Object Orientation
Visual Modeling, Chapter 4, pp 51-56
Lecture Notes: Authoring Use Cases

Objects and their Orientation

15. Reading for next time: Review again: OOSE, Chapter 2,
Review of Object Orientation
Lecture Notes: Authoring Use Cases - more
16. Read: OOSE, Chapter 7, Focusing on users and their tasks
17. Reading: Use Cases, Chapter 8, Requirements Traceability
RUP, Chapter 10, The Analysis and Design Discipline
Lecture Notes: Introduction to OO Concepts
18. Read: OOSE, Chapter 5, Modeling with Classes
Lecture: Finish up OO Concepts. Also: Intro Analysis and Design Overview

Introduction to Analysis

19. Lectures on: Use Case Analysis

----- Tentative End of materials for Examination #2 -----

20. Reading: Pages from OOSE; Use Case book, see first slide of
presentation for sources.
Lecture Notes: Non-Functional Requirements
21. Read - Use Case Analysis - Supplemental
22. Read: Read pages in Visual Modeling with RR 2002.
Lecture Notes: Use Case Analysis - Interaction Diagrams

Introduction to Design

23. User Interface Design
Read: OOSE, Chap. 9, Architecting and Designing Software
Lecture Notes: User Interface Design

Please note that the readings and lecture topics roughly coincide.

It is your responsibility to read appropriate materials as we cover the lecture slides in class.