

**CEN 6016 - Software Engineering 1**  
**Fall 2005**  
**rev 0.0 dated 23 Aug 2005**

Please note that this schedule is at best a 'Guide' as to our progress through this semester. It is 'current' up to the horizontal bar down within the text. But it will change from time to time. The objective is to provide a overview of where we plan to go and the reading assignments, anticipated lecture presentations, and due dates of Deliverables as well as anticipated exam dates. While it will not vary 'much,' it will (again) vary from time to time.

## Introduction

1. Monday, 8/22  
Introduction to the Course  
Syllabus, Projects, Survey, Guidelines  
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  
  
Readings due on Wednesday:  
RUP, Chap 1, Software Development Best Practices, pp. 1-16  
OOSE text: Chap 1, Software and Software Engineering, pp 1-24.  
No lecture today likely.

## Software Engineering and Best Practices

2. Wednesday, 8/24  
Due: Team Survey.  
Readings due today through next Monday:  
RUP, Chap 1, Software Development Best Practices, pp. 1-16  
OOSE text: Chap 1, Software and Software Engineering, pp 1-24.  
If Teams decided upon: Get together and discuss topic. Needed asap!  
Discuss skills, roles, see RUP book...  
Homework: Study notes, read.  
Feedback on surveys; hopefully. team formation  
Lecture Notes: Intro to Software Engineering and Best Practices - 1
3. Monday, 8/29  
Homework; Study notes; read; Work on Project Proposal  
Reading for next time:  
Due: Readings cited.  
Team Project Assignments due  
Lecture Notes: Intro to Software Engineering and Best Practices - 2

4. Wednesday, 8/31  
Homework; Study notes; read; Work on Project Proposal  
Reading for next time: RUP - Chapters 2 and 3  
Due: Nothing  
Lecture Notes on Best Practices - Part 3

## **The Development Process - the RUP**

5. Wednesday, 9/7  
Homework; Project Proposal Locked; Have started working on Deliverable #1  
Study notes, read.  
Reading for next time: RUP Chapters 4-6  
Due: Readings; Study slides and texts.  
Lecture Notes on RUP - Part 1 of 2
  6. Monday, 9/12  
Homework; Study notes, read, work on deliverable 1.  
Reading for next time: How to Fail Miserably Using the RUP  
Due: Continue readings. Don't get behind.  
Lecture Notes on the RUP Part 2 of 2
  7. Wednesday, 9/14.  
Homework; study notes, read, work on deliverable 1  
Reading for next time: RUP Chapters 7, 8  
(Chap 8 is essential for Deliverable #1)  
OOSE, Chapter 4, pp. 101-106  
Due: Deliverable #1 is coming  
Read: How to Fail with the RUP - Steps to Pain and Suffering  
Read this again!
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## **Business Process and Domain Modeling**

8. Monday, 9/20  
Homework; Study notes, read, work on deliverable #1.  
Reading for next time: RUP - Chapter 8, Business Modeling Discipline  
Due: Deliverable 1 coming.  
Lecture Notes: Domain Modeling 1 of 2 (B022)
9. Wednesday, 9/22  
Homework;  
Reading for next time:  
RUP - Chapter 9, The Requirements Discipline  
Use Cases - Chapter 1, The Trouble with Requirements  
Due: Deliverable #1 approaching  
Lecture Notes: Domain Modeling 2 of 2 (B027)

## **Requirements Analysis**

10. Monday, 9/27  
Reading for next time: OOSE, Chapter 4, pp. 106-130

Homework;  
Due: Deliverable #1 coming...  
Lecture Notes: Requirements Analysis - Part 1:  
The Trouble with Requirements (C025)

11. Wednesday 9/29 **DELIVERABLE 1 DUE on 10/4 due to Hurricane**  
Readings for next class: 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 here!!!!!!!!!!!!!!!!!!!!**

## **Use Case Modeling**

12. Monday, 10/4  
Homework; Study notes, read,  
Reading for next time: Use Cases, Chapters 3  
Use Cases, Chapter 4 - Façade Use Cases  
Due: Deliverable #1  
Lecture Notes: Use Case Driven Approach to Requirements (E030)
13. Wednesday, 10/6  
Homework; Study notes, read;  
Reading for next time: Study for Examination  
Exercises  
Due: **DELIVERABLE #2 - DOMAIN MODELING DUE - moved see ahead.**  
Lecture Notes: Façade Iteration
14. Monday, 10/11  
Homework: Study for Exam #1. Be certain to read all required readings.  
Final preparation for Domain Model (Deliverable #2)
15. Wednesday, 10/13 **EXAMINATION #1 - Proctored**  
Due: **Deliverable #2: Domain Model**  
Homework: **LABORATORY ASSIGNMENT: Read through the following:**  
Visual Modeling, Chapter 3 and 4  
Rose Basics - tools  
Add Use Case Model - tools
16. Monday, 10/18  
Homework: Study notes; read; work on deliverable #3  
Reading for next time: Chapter 5 and 6 - The Filled and Focused Iteration  
Due: Nothing  
Lecture Notes: The Structure of Use Cases
17. Monday, Wednesday, 10/20  
Homework: Study notes; read; work on deliverable #3  
Reading for next time: OOSE, Chapter 2, Review of Object Orientation  
Visual Modeling, Chapter 4, pp 51-56  
Due: Go over examination #1  
Lecture Notes: Authoring Use Cases

## **Objects and their Orientation**