

CS 367 - SYSTEMS DESIGN TECHNIQUES

Spring / 2008

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Text: Systems Analysis and Design Methods
7th Edition
Whitten – Bentley
McGraw-Hill Irwin

[Continuation Text from CS 366 (Fall/2007)]

Class: 21992 6:00 PM – 7:15 PM CM 040 T/R

Final Exam:

21992 Tuesday, May 6 5:45 pm – 7:45 pm

Continuation Course:

This course continues with the material studied in the CS 366 Systems Analysis Class from last semester (Fall/2006).

1. The Semester Case Study will continue - Employee Self Service System (ESSS)
2. The Chapter's Soundstage material will continue

Pre-requisite Course:

CS 366 is the pre-requisite course (with a grade of C or higher) for CS 367. If you have taken a prior course in Systems Analysis, you will need to rapidly get up to speed from the first ten (10) Chapters of our text and the Team Case Study.

1. Review all of the Soundstage Chapter material (see me for notes on this)
2. Prepare a notebook for the ESSS Case
3. Get the ESSS Case material from me (Introduction and first 4 Milestones)
4. Get up-to-speed on the developments of the ESSS Case through Milestone 4
5. Review the first ten chapters for any new techniques or changes in techniques from what you learned
6. Print out the ESSS Case Templates.

NOTE: Your Team will expect you to be prepared within the next week or so!

Refresh Material:

As a preparation for this course the following material should be looked over as a refresher and a way to get going again in order to pick-up the concepts/ideas again:

1. Look over the Soundstage material for each chapter
2. Look over the ESSS material with **emphasis** on solutions

Teams:

You will be assigned (randomly drawn) to a Team for the ESSS Case and class work. Your Team (3 or 4 members) will be tackling the Design for the ESSS system.

Your Team members will expect you to be fully prepared for team meetings and team work. If, during the course of the semester, you are not carrying your fair share of the work load, or are not prepared for team meetings, or are not participating via e-mail meetings and exchanges – your team members have a remedy.

On any team assignment in which you **do not** participate the other team members **are** hereby instructed to leave your name off of the final product that is turned in for grading.

You can not receive credit for work you do not participate in with your team members. This includes getting material to them on-time as required/agreed upon by the team. Getting work to your team after your team has finalized the assignment, or has handed in the team product, is **not** participating.

Team Meeting Times:

We will block out time for team discussions during class periods knowing that sometimes it is difficult to make schedules fit among all team members. You should arrange for E-mail possibilities for team trading of information and discussions to lessen the burden of face-to-face group meetings.

Missed Class:

It is understood that we are all very busy individuals. Some are working professionals in our field. Some are taking large class loads. Many have family obligations as well as job obligations. And then there is the “Murphy” factor along with Indiana winter/spring weather.

I expect your attendance. Your team will depend on you to be available when some in-class team assignments are completed (they need your input for best synergy and results).

Things can happen and we will understand a particular problem. But let everyone know what is happening (Your Team members and me).

Goals & objectives:

- To develop a functional understanding of the concepts, tools, and techniques of modern systems design.
- To continue the development of working as a member on a development team.
- To utilize software as needed to complete assignments.
- To enhance communication skills (written & oral) through team environment/work.
- To have a good understanding of the use of the Prototype

Course Tasks:

1. We will have 8 more Milestones to do with the ESSS Case
2. Teams will Prototype applications with at least one class demonstration
3. Team assignments will come from mini-case work at the end of chapters
4. Mid-Term and Final will be M/C questions.
5. Soundstage material will continue to be covered
6. There will be Chapter quizzes – some will be take home

Professional Work:

We are learning & training to be IT Professionals. Our work in this course should reflect these standards. Unless specifically noted in an assignment **NO** handwritten assignments will be accepted for grading (unless specifically stated).

Late Work:

As an IT professional we will be required to constantly meet deadlines. This will be the case for this course. Late work will incur a late penalty (normally 10% at the beginning). Turning in just part of an assignment does not "duck" the requirement. When the complete task/assignment is turned in determines the time of completion.

More Parts for the Course:

1. **Self Study Analysis – Web Site:** You have the opportunity to utilize a T/F and M/C quiz for each chapter. These are provided by the authors on their Web site for the text:
 - a. Internet Explorer
 - b. www.mhhe.com/whitten
 - c. Choose the Seventh Edition
 - d. Choose Student Edition
 - e. Choose a ChapterAt this point you can get a number of items that may be of help/interest for you:
 - Multiple choice questions
 - True/False questions
 - Chapter Outline
 - PowerPoint slides from chapter
2. **Chapter Quizzes:** There will be a quiz for every chapter. Each quiz will be a T/F type of quiz. These will be given *only* after the chapter material has been covered in class. Some of these will be take home quizzes to guarantee that full coverage of the material is being done.
3. **Two Major Exams:** There will be a Mid-Term and a Final exam. Each will cover half of the material from Chapter 12 through 20.
4. **Mini-Case Material:** This work will come from the end of the chapters and will allow you to prepare answers from the items in the chapter and then be able to compare this to what others have gleaned and noted. Some will be individual assignment and some will be team assignments.

Software:

We will continue the work with Systems Architect. Which version will be noted in the first class.

Grading:

The following will be the breakdown of the grade for this semester:

Quizzes	10 %	A-→	90 and above
Mid-Term	20 %	B-→	80 to 90
Final	20 %	C-→	70 to 80
ESSS Case	20 %	D-→	60 to 70
Individual Chapter Assignments	10 %	F-→	below 60
Team Chapter Assignments	10 %		
Prototype (Team Assignment)	10 %		

Other Chapter Review Material:

I have a Web site set up for students that has additional questions that may help in review of the chapter material. The site is: <http://users.ipfw.edu/barrett/studentpage.htm>

Click on CS 367 for the Chapters list. These are fill-in the type questions with complete answers provided.

Soundstage Entertainment Club:

This is the material that tracks through the entire textbook. We will always have it as part of our ongoing discussions. Please know the “case study” parts of this application.

Equipment Self Service System [ESSS]:

This is our continuation Case Study from our CS 366 class work. We will continue with the Object Oriented items and then the Systems Proposal. We will then move into the System Design work for this system. This is done by the Analysis & Design Teams of this class.

Customer/Client Orientation:

Starting as soon as all e-mail addresses are confirmed you will be receiving a series (at least weekly and sometimes twice a week) information statements and ideas about our Client/Customer we serve when doing Analysis & Design. These are intended as thought ideas and to make sure we are oriented properly as to how we ***think*** of them and ***deal*** with them. Be sure to constantly be aware of these incoming messages and ideas sent to you.

Schedule for the Semester:

It is difficult to know exactly how long some things will take. I have broken the semester down into weeks with the most likely topics to be covered.

I expect there will be alterations to the schedule as we move forward.

I will try to have team work on Mondays with time over the weekends to absorb chapter material which will be covered on Wednesdays. Of course, this will mean that many of the quizzes can be expected on Wednesdays also.

WEEK	MONTH	CLASS DAYS	CHPATER	NOTATIONS
1	January	15 17	Chapter 10	Review & Prep ESSS & Set up Teams Team meetings
2		22 - 24	Chapter 11	Team meetings
3		29 - 31	Chapter 12	Team meetings
4	February	5 - 7	Chapter 13	Team meetings
5		12 - 14	Chapter 14	Team meetings
6		19 - 21	Chapter 15	Team meetings
7		26 - 28	Prototype	Team meetings
8	March	4 - 6		Mid-Term Exam (26 th & 28 th)
9		11 - 13		Spring Break – No Classes
10		18 - 20	Chapter 16	Team meetings
11		25 - 27	Chapter 17	Team meetings
12	April	1 - 3	Chapter 18	Team meetings
13		8 - 10	Chapter 19	Team meetings
14		15 - 17	Chapter 20	Team meetings
15		22 - 24	Prototype	Team meetings
16	April/May	29 - 1	Prototype	Team presentations
17	May	6 th	Tuesday	5:45 – 7:45 PM

NOTE: Last Day to Withdraw from the class is: March 21, 2008

STAKEHOLDERS

- **Owner / Sponsor**
- **Project Manager**
- **Project Team Members**
- **Business Management**
- **Key Users**
- **IT Staff**
- **Clients**
- **Customers**
- **Support Staff**
- **Suppliers**
- **Strategic Planning Committee**
- **IT Project Committee**
- **Executive Committee**
- **IT Management**

YOU

(Your Reputation)