From: Professor Asim J. Butt Jan 4, 2019

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To: All Course Participants,   
**CST2234-300 (301-302-303), Object Oriented Systems Analysis and Design (OOSA&D)**

Welcome to CST2234-300 Systems Analysis and Design for the Winter Semester 2019. I look forward to see you in the first lecture of the semester.

I will be delivering the theory during lectures. Lab sessions will prepare you for your Project as well.

By now you will have been assigned to your lab sessions.

***Please attend the Lab session to which you have been assigned – do not switch lab sessions before discussion with me.***

There will be Hybrid (online) sessions that you will work on individually and which is also the part of this course and carries marks as well.

There will be a Case Study leading to Project, that you will be working on in teams (**6 students within same lab session**).

During this course, the Lectures, Lab sessions, Hybrid Online session will cover the techniques, approaches and processes involved in the analysis and design of an application or system. The labs will have exercises that you will be completing either individually or in a group as required within the given time period.

**Division of Marks:**

Hybrid Assignments (3-5) 15%

Lab work (14 weeks) 5%

Project (2 Parts) 15%+15% = 30%

Mid-term 1 Exam 10%

Mid-term 2 Exam 10%

Final-term Exam 30%

Total: 100%

For Hybrid Online Session, students have the responsibility to read the files/documents uploaded in Hybrid Online folder. Moreover, this is a Hybrid Course and there will be material which you will have to study by yourself through readings and researching. In addition to it, you will be studying this material and also considering different sources to make your mandatory assignment(s).

*Refer to the**appendix which presents the current schedule on a weekly basis for the topics and activities involved*

**Team Formation**

You will be working in a project throughout the semester. As best as possible, members on each team will be those registered in the same lab. Once a team has been formed, each team will be required to choose a team leader.

**Case Study**  
The case study will require each project team to apply the topics which will have been covered in the lectures, the required readings and online sessions. Every week or two your project team will be required to deliver prescribed documents (portfolios) as you work through the case study.

The marks for these portfolios will be allocated on a team basis – all team members will receive the same mark except in exceptional situations.

**Information Resources**

There is a required text for this course. You should acquire a copy of **Object Oriented Analysis and Design (with the Unified Process)** by **Satzinger, Thomson Course Technology**.

We will be using Blackboard for this course. All lecture presentation material, required reading, Hybrid (online) sessions, case study information and required deliverables will be available on or through Blackboard.

You should check the web site, and your email on a daily basis for updated course information and other advisory messages.

You will be very busy with this course. But if you apply yourself individually and as a team, you will be prepared for the project in your final semester. That project will be a real project with a real client.

Asim J. Butt,

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*Appendix*

**Basic Course Specific Information (CSI)**

Week 1 Course Introduction and overview

Week 2 Basic aspects of SDLC and different approaches

Week 3 Introduction to UP and the Agile approach, and UP Disciplines

Week 4 Project Management, Feasibility and Cost Benefit, Methods for   
 gathering information, SDLC models

Week 5 Events and Use Cases, UML domain models; Term Test 1

Week 6 Continue topics from week 5, Class Diagrams

**Week 7 Term Test 1** (1 & 2 may be merged)

Week 8 Use Case Diagrams and Detail narratives, Sequence Diagrams

Week 9 Use Case Detail Narratives, Sequence Diagrams (continued)

**Week 10 Term Test 2** (1 & 2 may be merged)

Week 11 Design activities, Data Base Schema, Design Sequence   
 Diagrams ODL and Relational Data Base Schemas

Week 12 User Interface design

Week 13 Deployment considerations

Week 14 Review

Week 15 Final Exams

**Note:** Exam's week may move one week above or below in the schedule/CSI, so please do not book any flight or ticket without confirming the exam's week with me...

**Learning activities and learning resources**   
Lab exercises will cover the topics from the lectures. Each week students shall be working on their projects.

**Note: Detailed Course Source Information (CSI) will be uploaded separately**

GOOD LUCK !!!!