THE UNIVERSITY OF TEXAS AT DALLAS

Naveen Jindal School of Management

MIS6308 / ACCT6340 -Systems Analysis and Project Management (SAPM)

Instructor: Sriram Sivaramakrishnan (Sri Siva)
Course Website: elearning
TA: Anaysha Dimple Sutaria (AnayshaDimple.Sutaria@UTDallas.edu)

Email: sri.siva@utdallas.edu
Office: 3.604 (by appointment)
Classroom: JSOM 2.106 (Mon & Wed 8:30 am to 9:45 am CT)

Textbook – "Systems Analysis and Design in a Changing World" by John Satzinger, Robert Jackson, and Stephen Burd, Cengage Learning, Seventh Edition. ISBN-13: 9781305117204

In addition to the textbook, additional notes will be provided during the class and posted on the course elearning site. eLearning will be extensively used throughout the course. It will be used for class content, discussions, and the recording of grades. The PowerPoint slides that I prepare will be posted in eLearning.

Course description

The course provides students with the necessary background to analyze an existing software system, identify the causes of an information-related problem, and design a new system to mitigate the problems. Object-oriented systems analysis and design procedures, and software project management techniques (Waterfall and Agile) will be covered.

Learning Outcomes

- Understand object-oriented analysis and design methods.
- Be able to model an information system using Unified Modeling Language (UML) diagrams
- Be able to analyze an existing system, identify the causes of an information-related problem, and design a new system to mitigate these problems
- Understand the unique issues of managing information systems development projects.

Week	Date(s)	Topics	Key Deliverables
1	Aug 19 and Aug 21	Course overview, an overview of systems analysis and design (chapter 1), and a discussion on project work	
2	Aug 26 and Aug 28	Requirements gathering, user stories, and use cases (Chapters 2 and 3)	
3	Sep 2 and Sep 5	Sep 2nd is a holiday – There will be NO class Sep 4 - Requirements gathering, user stories, and use cases (Chapters 2 and 3)	
4	Sep 9 and Sep 11	Domain modeling and use case modeling (Chapters 4 and 5)	
5	Sep 16 and Sep 18	Domain modeling and use case modeling (Chapters 4 and 5) Approaches to systems development, project planning, and project management (Chapters 10 and 11)	Project proposal (Draft) due by EOD Sep 20
6	Sep 23 and Sep 25	Approaches to systems development, project planning, and project management (Chapters 10 and 11)	Project proposal (Final) due by EOD Sep 27
7	Sep 30 (only one day)	Exam 1 at the UTD testing center	
7	Oct 2	Systems design overview	
8	Oct 7 and Oct 9	Foundations of systems design (Chapter 6) System architecture (Chapter 7)	Project - Use cases and UML diagrams (activity diagram)- deliver by EOD Oct 11
9	Oct 14 and Oct 16	System architecture (Chapter 7) User Interface design (Chapter 8)	
10	Oct 21 and Oct 22	User Interface design (Chapter 8) Database design (Chapter 9)	
11	Oct 28 and Oct 30	Database design (Chapter 9) Object-oriented design and design patterns (Chapters 12 and 13)	Project - User interface design – deliver by EOD Nov 1
12	Nov 4 and Nov 6	Object-oriented design and design patterns (Chapters 12 and 13)	Project – DB design and OO design – deliver by EOD Nov 8
13	Nov 11 and Nov 13	Deployment and Testing (Chapter 14)	
14	Nov 18	Review	Project – Deliver complete project (DRAFT) by EOD Nov 22
15	Nov 20 and Nov 21	Exam 2 at the UTD testing center	Project – Deliver complete project by EOD Nov 29
16	Dec 2 and Dec 4	Project presentations in class	

*** The topics and timelines are subject to change at the instructor's discretion.

Instructional mode

- As described in the Coursebook, the class will be held in class, in person modality. There is no asynchronous option.

Class Attendance and Participation

Regular class participation is expected regardless of course modality. Students who fail to participate in class regularly are inviting scholastic difficulty. A portion of the grade for this course is directly tied to your participation in this class through periodic quizzes, discussion, and engaging in group or other activities during class that solicit your feedback on homework assignments, readings, or materials covered in the lectures (and/or labs).

Attendance will be taken regularly and used in consideration for the Participation grade; however, this grade will also reflect the instructor's judgment of the value of contributions to class discussion. There is no makeup for missed in-class assignments and/or quizzes.
Successful participation is defined as consistently adhering to university requirements, as presented in this syllabus. Failure to comply with these University requirements is a violation of the Student Code of Conduct.

Grading

The course will involve a mix of activities and written assignments. Homework will include attending lectures, readings (from the textbook and other required readings), assignments, and activities (written and participatory).

Component	Type	Max/Total Score
Attendance and class participation	Individual	10 (8 for attendance and 2 for participation)
2 Exams (25% each = 50%)	Individual	50
Group project (25%)	Group	25%
Individual contribution to the group project (15%)	Individual	15%

The course grade will be determined using the scoring in the table below. The instructor reserves the right to adjust scores and grading scales as deemed necessary.

- 93% and above = A
- 90% < 93% = A-
- 87% < 90% = B+
- 83% < 87% = B
- 80% < 83% = B-
- 77% < 80% = C+
- 73% < 77% = C
- 70% < 73% = C-
- Below 70% = F

Exams

Exams are scheduled well in advance and must be taken at the UTD testing center. Missing an exam results in a score of zero. Make-up exams will be given only for justified situations; discuss with the instructor BEFORE the scheduled exam. If you contact the instructor after the exam, it is considered missing the exam, and no credit will be given for missed exams.