



United International University

School of Business and Economics

Course Outline & Schedule

Faculty Name: Ahmed Imran Kabir	Email: iamahmedimrankabir@gmail.com Website: ahmedimrankabir.weebly.com Semester: Spring 2018
Course Title: System Analysis and Design	Course Code : MIS 4181 Credit Hours:03
Course Category : Major	Program: Bachelor Of Business Administration.
Class Duration: 1 Hour 30 Minutes Venue: Computer Lab 1; Room 0226	Time Slot: SAT & TUE- 10:05am-11:35am (A) **Office Hours will be updated later on the website**

Course Objective: This course focuses on the analysis and development of systems to meet the increasing need for information within organizations. It presents and analyzes various topics such as systems development life cycle, analysis and design techniques, information systems planning and project identification and selection, requirements collection and structuring, process modeling, data modeling, design of interface and data management, system implementation and operation, system maintenance, and change management implications of systems. It looks at current methods and tools such as rapid application development, prototyping, and computer-aided software development (CASE). Procedure models like the waterfall model, spiral, and prototyping approaches as well as the rational unified process are examined in detail and juxtaposed.

Course Outcome: Upon successful completion of the course, the student will be able:

1. To understand how to assess risks and feasibility
2. To understand and apply system analysis and design processes
3. To analyze and document requirements
4. To evaluate and choose appropriate system development methodologies

5. To create structural and behavioral models of a system
6. To develop effective communication with users
7. To develop interpersonal skills for use with clients, users, team members, and others associated with the development, operation and maintenance of systems.

Teaching techniques: Discussion on the theoretical background of each topic, in- class problem solving after completion of each topic, relevant / similar problems will be assigned for self practice.

Evaluation Policy:

Evaluation is comprised of:

Midterm Exam 25%

Final Exam 40%

Individual Assignments and /or quizzes 15% (To be announced on class)

Capstone Project and Defense 15% (To be announced on class)

Attendance 5%

Required Text Book

Author	Title	Edition & Year	Publisher	ISBN
Whitten, Jeffrey L.; Bentley, Lonnie D.	Systems Analysis and Design Methods.	7 th Edition, 2016	McGraw-Hill 2007	ISBN: 978- 0-07- 305233-7

** You can follow the Pdf book that has been provided in my website. But if you want your printed copy of book you can get a printed copy of the pdf file at (<https://www.facebook.com/BookBuyBD5/>). This is not for business purpose. I use this service to get my pdf's to be printed.

Grading Policy	Letter Grade	Marks %	Grade Point	Letter Grade	Marks%	Grade Point
	A (Plain)	90-100	4.00	C+ (Plus)	70-73	2.33
	A- (Minus)	86-89	3.67	C (Plain)	66-69	2.00
	B+ (Plus)	82-85	3.33	C- (Minus)	62-65	1.67
	B (Plain)	78-81	3.00	D+ (Plus)	58-61	1.33
	B- (Minus)	74-77	2.67	D (Plain)	55-57	1.00
				F (Fail)	<55	0.00

Lecture No:	Topic/ Content	Remarks
1	Topic 1: Orientation/ Introduction; Introduction to System Analysis and Design : Chapter 1 (The context of Systems Analysis and Design Methods)	Orientation
2	Topic 2: Chapter 1: Introduction to System Analysis and Design: Chapter 1 (The context of Systems Analysis and Design Methods) Chapter 2 (Information System Building Blocks)	Lecture
3	Topic 3: Introduction to System Analysis and Design; Information Systems Development Chapter 3 (Information Systems Development)	Lecture
4	Topic 4: Information Systems Development Chapter 4 (Project Management) <u>Quiz 1: (Chapter 1, 2, 3)</u> *** GROUP FORMATION FOR CAPSTONE PROJECT***	Lecture + <u>Quiz 1+</u> <u>Discussion</u> <u>on</u> <u>Capstone</u> <u>Project</u>
5	Topic 5: Information Systems Development Chapter 4 (Project Management) *** GROUP FORMATION FOR CAPSTONE PROJECT***	Lecture+ <u>Discuss on</u> <u>Capstone</u> <u>project</u>
6	Topic 6: Systems Analysis Chapter 5 (Systems Analysis)	Lecture
7	Topic 7: Systems Analysis Chapter 5 (Systems Analysis)	Lecture
8	Topic 8: Requirements Chapter 6 (Fact-Finding techniques for requirement discovery)	Lecture
9	Topic 9: Requirements Chapter 6 (Fact-Finding techniques for requirement discovery)	Lecture
10	Topic 10: Feasibility Analysis and Systems Proposal Chapter 7 (Modeling System Requirements with use cases) <u>Quiz 2 : (Chapter 4, 5, 6)</u>	Lecture + <u>Quiz 2</u>
11	Topic 11: Feasibility Analysis and Systems Proposal Chapter 7 (Modeling System Requirements with use cases)	

12	Review of Chapter (1-7) For Mid-term Exam	Review Class
13	***Mid-Term Examination***	
14	Topic 12: Data Modeling Chapter 8 (Data Modeling and Analysis)	Lecture
15	Topic 13: Data Modeling Chapter 8 (Data Modeling and Analysis)	Lecture
16	Topic 14: Process Modeling Chapter 9 (Process Modeling)	Lecture
17	Topic 15: Process Modeling Chapter 9 (Process Modeling)	Lecture
18	Topic 16: Design Modeling + Quiz 3 Chapter 10 (Object-Oriented Analysis and Modeling Using the UML) <u>Quiz 3 (Chapter 8, 9)</u>	Lecture + Quiz 3
19	Topic 17: Design Modeling Chapter 10 (Object-Oriented Analysis Modeling Using the UML)	Lecture
20	Topic 18: Feasibility analysis and the System Proposal Chapter 11 (Feasibility analysis and the System Proposal)	Lecture
21	Topic 19: Feasibility analysis and the System Proposal Chapter 11 (Feasibility analysis and the System Proposal)	Lecture
22	Topic 20: System Design and Development + Quiz 4 Chapter 12 (System Design and Development) <u>Quiz 4 (Chapter 10, 11)</u>	Lecture + Quiz 4
23	Topic 21: System Design and Development and Project Defense Chapter 12 (System Design and Development)	Lecture
24	Capstone Project Defense ***Defense of your Capstone Project***	<u>Capstone</u> <u>project</u> <u>defense</u>
25	***Defense of your Capstone Project*** (Remaining)	<u>Capstone</u> <u>project</u> <u>defense</u>
26	***Final Examination***	

Note: The instructor reserves the right to make changes to the syllabus if necessary.