

952- Systems Analysis and Design (SAD), Tentative Schedule

University of Bonab-Computer Engineering Department-Gholamali Nejad Hajali Irani

Week	Date	Session	Subject	Project Delivery
1	10 Bahman			
	11 Bahman			
	12 Bahman			
2	17 Bahman	1	Course Overview (Course Principles, Syllabus, Projects, Grading Policy...)	
	18 Bahman	L1	Course Overview (Course Principles, Projects, Grading Policy...)	
	19 Bahman	2	Introduction to System Theory, U Model, Zachman Theory, SDLC	
3	24 Bahman	3	SDLC, Process Models, Methodologies	
	25 Bahman	4	System Analysis and Design Paradigms	
	26 Bahman	5	Object Oriented Paradigm	
4	1 Esfand	6	Object Oriented Principles, Relationships	
	2 Esfand	L2/7	Introduction to Information Systems, Introduction to gModel, ERP, EDU, PM...	
	3 Esfand	8	Object Oriented Methodologies, RUP, Agile Methodologies	
5	8 Esfand	9	System, Software Requirement Concepts	
	9 Esfand	L3/10	System Analysis: Requirements Gathering	
	10 Esfand	11	gTree (System Analysis and Design Tree), Subsystems, Processes - Software Modules	
6	15 Esfand	12	System Analysis: Business Process Modeling	
	16 Esfand	L4/13	System Analysis: Sample System : Subsystems, Process Model	
	17 Esfand	14	System Analysis: Structural Modeling (Domain Modeling)	Requirement Model
7	22 Esfand	15	System Analysis: Behavioral Modeling (Use Case Modeling)-Part1	
	23 Esfand	L5/16	System Analysis: Sample System : Domain Model, Use Case Model	
	24 Esfand	17	System Analysis: Behavioral Modeling (Use Case Modeling)-Part2	Use Case Model V1.0
8	13 Farvardin			
	14 Farvardin			
	15 Farvardin	18	Software Architecture: Concepts	Use Case Model V2.0
9	20 Farvardin	19	Software Architecture: Modular Architecture Principles	
	21 Farvardin			
	22 Farvardin	20	Software Architecture: Layered Architectures	
10	27 Farvardin	21	Software Architecture: Service Orientation	
	28 Farvardin	L6/22	Software Architecture Applications: LucyArch 2.1 - Concepts, Architecture	
	29 Farvardin	23	Software Design: Concepts	
11	3 Ordibehesht	24	Software Design: Object Oriented Design Heuristics-Part1	
	4 Ordibehesht			
	5 Ordibehesht	25	Software Design: Object Oriented Design Heuristics-Part2	
12	10 Ordibehesht	26	Software Design: Interface Applications	
	11 Ordibehesht	L7/27	Software Design Applications: LucyArch 2.1 - ORMs, JPA, Hibernate	
	12 Ordibehesht	28	Software Design: SOLID Patterns-Part1	
13	17 Ordibehesht	29	Software Design: SOLID Patterns-Part2	
	18 Ordibehesht	L8/30	Software Design Applications: LucyArch 2.1 – Service Layer Design	
	19 Ordibehesht	31	Software Design: Design Patterns-Part1	Implementation (V1.0)
14	24 Ordibehesht	32	Software Design: Design Patterns-Part2	
	25 Ordibehesht	L9/33	Software Design Applications: LucyArch 2.1 – User Interface Design	
	26 Ordibehesht	34	Software Design: Design Patterns-Part3	
15	31 Ordibehesht	35	Software Design: Data Modeling Concepts, Sequence Diagrams	
	1 Khordad	L10/36	Software Design Applications: LucyArch 3.0 – EJB	
	2 Khordad	37	Software Architecture: Enterprise Thinking (SOA)	
16	7 Khordad	38	Software Architecture: Enterprise Thinking (Microservices)	
	8 Khordad	L11	Project Delivery	Implementation (V2.0)
	9 Khordad		Project Delivery	Implementation (V2.0)