

12. Tentative Course Schedule

The Instructor will make the effort to deliver lessons along these guidelines. Students should use the Assignments Timetable as reference for homework that is due.

Months		Topics	Applied skills to research and prepare on this date	textbook chapter to read for this date
March	28	Introduction to Systems Analysis and Design, identifying the problem domain for an information system.		
	30	Systems Development Lifecycle: early stage project planning and analysis. Presenting potential group projects; team selection and work planning	Ishikawa & Root Cause Analysis	1, 2
April	4	Project Selection. Creating a project charter	BMM	2
	6	Requirements Determination, business process and functional modeling.	BPMN	3
	11		Data Flow Diagrams	3, 5
	13	Structural Modeling and Behavioral Modeling. UML Use Cases.	Organizational Charts	3
	18	Human-Computer Interaction / HCI Layer Design	Use Case Analysis	4
	20	Static Models UML: class diagrams	Wireframes, UX	9
	25	Data Modeling and Database ERD	Database ERD	6
	27	Moving on to Design. UML Activity Diagramming. Behavioral Modeling: sequence diagrams	Class Diagrams, Activity Diagrams	14
May	2	Construction, installation and operations. Deployment diagrams.	Sequence Diagrams	14
	4	Architecture Design, configurations, cloud and N-tier design strategies	Network and Deployment Diagrams, AWS and cloud craft.io techniques	8
	9	Architecture Design, political requirements, and stress-testing a software's design, integrating with strategy teams, JAD	PESTLE	8
	11	Architecture Design, business analysis and corporate strategy 1	Venn diagrams	8
	16	Architecture Design, business analysis and corporate strategy 2	Porter's Five Forces	8

Months		Topics	Applied skills to research and prepare on this date	textbook chapter to read for this date
	18	Architecture Design, business analysis and corporate strategy 3	SWOT	8
	23	Architecture Design, business analysis and corporate strategy 4	Business Model Canvas	8
	25	Architecture Design, business analysis and corporate strategy 5	Value Stream Analysis	8
	30	Team work, refining final paper		
June	1	Building a career in Systems Analysis, career prospects, interview techniques, how to locate the perfect firm for you		7
	TB A			