

IS 310: Systems Analysis and Design *Tentative* Schedule (subject to change based on class needs and progress)

Week	Day	Date	Content	Lesson Plan	Assignment Due Today You are required to have <u>studied</u> (not just read) the PPT slides and any corresponding materials BEFORE you enter the classroom.
1	M	26-Jan	Meet group members; set expectations for success; overview course and materials	Day 1_Lesson_Plan.docx	Team Contract
1	W	28-Jan	Introduce client project; Intern Report	Day 2_Lesson_Plan.docx	Students pursuing an IS certificate complete the application
1	F	30-Jan	Describe Systems via system concepts and characteristics. CIE	Systems_Theory_Lesson_Plan.docx	Preparation homework for this class: Define the IPO and relationships of a <u>non-business</u> system (see the last slide in the client_course_overview.pptx) Due in Group Locker by 8 a.m.
2	M	2-Feb	System influences. Identify different business processes and their supporting systems	System_Influences_Lesson_Plan.docx	Preparation homework for this class: Define <u>business</u> processes and systems (see the last slide in the Systems_Theory.pptx) Due in Group Locker by 8 a.m.
2	W	4-Feb	Describe information systems and their interrelationships; IPOF Practice	Information Systems Lesson.docx	Preparation homework for this class: Define the IPOF for your hypothetical <u>business</u> processes (see the last slide in the Systems_Theory.pptx) Due in Group Locker by 8 a.m.
2	R	5-Feb			Systems Perspective and Me. Due in Dropbox by 11:59 p.m.
2	R	5-Feb			Questions for Client Visit. Due in Dropbox by 11:59 p.m.
2	F	6-Feb	Introduce business process workflows; Card sorting exercise	Workflow Activity 1 Lesson Plan.docx	
3	M	9-Feb	Describe business systems by their workflows; Practice activity	Workflows_Lesson_Plan.docx	
3	W	11-Feb	Client Visit		
3	R	12-Feb			Client's Current -Process IPOF. Due in Dropbox by 11:59 p.m.
3	F	13-Feb	Modeling user needs of current systems or processes	Use_Case_1 Lesson_Plan.docx	Preparation homework for this class: define the system, roles, and goals for Learning Activity #1. Bring to class.
4	M	16-Feb	Liberty Mutual: Project Management; Planning business analysis activities		
4	W	18-Feb	Intro Use Case Practice	Use_Case_2_Lesson.docx	Preparation homework for this class: Sketch out a use-case diagram for "Place an Order" or "Borrow Books" process. See Use_Case_1_Lesson plan. Due in Group Locker by 8 a.m.
4	R	19-Feb			Use Case of Current System Due in Dropbox by 11:59 p.m.
4	F	20-Feb	Intro DFD Practice	DFD_1_Lesson Plan.docx	
5	M	23-Feb	DFD Practice	DFD_2_Lesson Plan.docx	
5	W	25-Feb	Determine solution approach; Root cause analysis	BPA_BPI_BPR_Lesson.docx	
5	R	26-Feb			Data Flow Diagram of Current System Due in Dropbox by 11:59 p.m.
5	R	26-Feb			Schedule 2 Project Team Meetings with me: one before each milestone. Project status report is due in Dropbox at least 24 hours before each meeting.
5	F	27-Feb	Describe different SDLC Methodologies	Systems Development Methodologies Lesson Plan.docx	
6	M	2-Mar	Define business need	System_Service_Request_Create_Lesson_Plan.docx	
6	W	4-Mar	Determine solution approach; alternatives and competition	Weighted_Decision_Table_Lesson_Plan.docx	Preparation homework for this class: Create a list of criteria that you would use to decide among multiple employment offers. Bring to class.
6	R	5-Mar			System Service Request . Due in Dropbox by 11:59 p.m.
6	F	6-Mar	Define business need (evaluate system requests)	System_Service_Request_Evaluate_Lesson_Plan.docx	
7	M	9-Mar	Conduct stakeholder analysis	Stakeholder_Analysis_Lesson_Plan.docx	
	W	11-Mar	Empathic interviewing techniques	Empathic_Interviewing_Lesson_Plan.docx	
7	R	12-Mar			Milestone #1 Due in Dropbox by 11:59 p.m.
7	R	12-Mar			Peer Evaluation #1 . Due in Dropbox by 11:59 p.m.
7	F	13-Mar	Develop System Overview; Define assumptions, constraints, risks	Assumptions_Constraints_Risks_Lesson_Plan.docx	Preparation homework: Create a list of project assumptions and constraints. Due in Group Locker by 8 a.m.
8	M	16-Mar	Prepare for elicitation; Conduct elicitation activity	Requirements_Prep_for_Elicitation_Lesson_Plan.docx	

8	W	18-Mar	Document and confirm elicitation results (bus/user reqs)	Requirements_Document_Requirements_Lesson_Plan.docx	Preparation homework: Recreate ATM use case; make first attempt at defining its requirements. Due in Group Locker by 8 a.m.
8	R	19-Mar			System Description Due in Dropbox by 11:59 p.m.
8	F	20-Mar	Elicit and document user requirements: Cargill		
9	M	30-Mar	Define solution scope; Specify and model requirements: use case diag & spec	Use_Case_3_Lesson.docx	
9	W	1-Apr	Define solution scope; Specify and model requirements: use case diag & spec	Use_Case_4_Lesson.docx	Preparation homework: Create use-case diagrams for each scenario in Use_Case_Scenarios_1.docx Due in Group Locker by 8 a.m.
9	R	2-Apr			Use Case for Proposed System . Due in Dropbox by 11:59 p.m.
9	F	3-Apr	Graded practice exam: use-case diagramming		Graded practice exam. Due first half of class.
10	M	6-Apr	Doc and confirm elicitation results; Prioritize reqs; Prepare reqs pkg;	Requirements_Prioritize_Requirements_Lesson_Plan.docx	BRING BABOK TEXT TO CLASS WITH YOU TODAY!
10	W	8-Apr	Specify non-functional requirements	Requirements_Nonfunctional_Lesson_Plan.docx	BRING MILLER TEXT TO CLASS WITH YOU TODAY!
10	R	9-Apr			Specify Requirements: Requirements Elicitation Plan; Business, User and Functional Requirements; Non-functional Requirements . Due in Dropbox by 11:59 p.m.
10	F	10-Apr	Define solution scope; Specify and model	DFD_3_Lesson_Plan.docx	
11	M	13-Apr	Specify and model requirements: DFD	DFD_4_Lesson_Plan.docx	Preparation homework: complete the ATM DFD from DFD lesson 3. Due in Group Locker by 8 a.m.
11	W	15-Apr	Specify and model requirements: DFD Competition	DFD_5_Lesson_Plan.docx	
11	R	16-Apr			Data Flow Diagram (DFD). Due in Dropbox by 11:59 p.m.
11	F	17-Apr	Specify and model requirements: data modeling	Data Modeling 1 Lesson Plan.docx	Preparation homework: define the business rules for the entities in slides 27 and 28. Bring to class.
12	M	20-Apr	Specify and model requirements: data modeling	Data Modeling 1 Lesson Plan.docx	Preparation homework: <i>to be announced at end of preceding class--dependent upon how far we get.</i> Bring to class.
12	W	22-Apr	Specify and model requirements: data modeling	Data Modeling 1 Lesson Plan.docx	Preparation homework: <i>to be announced at end of preceding class--dependent upon how far we get.</i> Bring to class.
12	F	24-Apr	IS Industry Advisory Committee Meeting: No formal IS classes. Use the class time to work on your project.		
13	M	27-Apr	Specify and model requirements: data modeling	Data_Modeling_2_Lesson_Plan.docx	Preparation homework: create an ERD for the "Employee" database on Slide 3 of the Data_Modeling_Practice_STUDENT.pptx. Bring to class.
13	W	29-Apr	Specify and model requirements: data modeling	Data_Modeling_2_Lesson_Plan.docx	Preparation homework: create an ERD for the "Maintenance Business" and "Publications" database on Slide 4-5 of the Data_Modeling_Practice_STUDENT.pptx. Bring to class.
13	R	30-Apr			Entity Relationship Diagram (ERD); Relational Tables Due in Dropbox by 11:59 p.m.
13	F	1-May	Graded practice exam: entity relationship diagramming		Graded practice exam. Due first half of class.
14	M	4-May	Define solution scope; Specify and model requirements: interface	interface_design.pptx	
14	W	6-May	Verify requirements; Define transition requirements	Testing_Implementation_Lesson.docx	
14	F	8-May	Data modeling and GIS		
15	M	11-May	In-class consultation with Pratt on project or exams		
					Milestone #2. Due in Dropbox by 11:59 p.m.
15	T	12-May			Peer Evaluation #2 . Due in Dropbox by 11:59 p.m.
15	W	13-May	In-class consultation with Pratt on project or exams		
15	F	15-May	CONCEPTUAL TO INTEGRATION EXAM		CONCEPTUAL TO INTEGRATION EXAM
16	tba	tba	IS.310.001 and IS.310.002 COMMON EXAM: SSS 203 or 204 (desktops in 204; laptops in 203).		Applied Exam