

INLS 582-002 System Analysis (Fall 2021)

- Dr. Selina Sharmin

08/23/2021	Class 1	<p>Introduction and set up for the semester</p> <ul style="list-style-type: none"> • Check Sakai access • Review course syllabus, requirements, and policies <p>Intro to Systems Analysis & Information Systems -- what are they?</p>	Introduce yourself in Sakai
08/30/2021	Class 2	<p>The Systems Development Life Cycle</p> <p>Readings:</p> <ul style="list-style-type: none"> • Beyer & Holtzblatt, - Chapter 1- Introduction - Chapter 2 -User Data Drives Design 	LinkedIn training!
09/06/2021	No class	Labor day	
09/13/2021	Class 3	<p>Problem Definition, Feasibility Study</p> <p>Readings:</p> <ul style="list-style-type: none"> • Davis, W. (1999). The problem statement. In W. Davis & D. Yen, <i>The Information System Consultant's Handbook: Systems Analysis and Design</i>. Boca Raton: CRC Press. Chapter 12, 87-90. • Davis, W. (1999). The feasibility study. In W. Davis & D. Yen, <i>The Information System Consultant's Handbook: Systems Analysis and Design</i>. Boca Raton: CRC Press. Chapter 13, 91-96. <p>Contextual Design Model, Contextual Inquiry and Information Gathering</p> <p>Readings:</p> <ul style="list-style-type: none"> • Swan, L., Taylor, A., & Harper, R. (2008). Making place for clutter and other ideas of home. <i>ACM Transactions on Computer-Human Interaction</i>, 15(2), Article 9. • Beyer & Holtzblatt, Ch. 3, Principles of Contextual Inquiry. <p>Intro to Project Charter Problem definition assignment</p>	Individual assignment: Problem definition is assigned and due prior to the next class (follow the format page 89, table 12.1).
09/20/2021	Class 4	<p>Contextual Inquiry; Information Gathering – Cont. Interpretation, Scenarios, and Personas</p> <p>Readings:</p> <ul style="list-style-type: none"> • Beyer & Holtzblatt - Chapter 4, The Interpretation Session. - Chapter 5, From Data to Insight: Contextual Design Models - Using Contextual Data to Write Personas, 188-190. <p>Team organization</p> <p>Project selection and Information gathering plan.</p>	<p>Problem definition 1-2 slides presentation.</p> <p>Group assignment: Information Gathering Plan is assigned and due in next two weeks.</p>
09/27/2021	Class 5	<p>Affinity Diagram</p> <p>Readings:</p> <ul style="list-style-type: none"> • Beyer & Holtzblatt, - Chapter 6, The Affinity Diagram. 	Group assignment: Information Gathering Plan – project selection

		Traditional Models Readings: • Beyer & Holtzblatt - Chapter 8, Traditional Contextual Design Models. Project selection Information gathering plan assignment	
10/04/2021	Class 6	Experience Models Readings: • Beyer & Holtzblatt - Chapter 7, Building Experience Models.	Information Gathering Plans – group presentation. Group assignment: Tentative models selection assigned, due next week.
10/11/2021	Class 7	Consolidation and Visioning • Beyer & Holtzblatt, Ch. 10 The Bridge from Data to Design • Beyer & Holtzblatt, Ch. 11 Ideation: Visioning and the Cool Drilldown • Case Study: Gellatly, A., Hansen, C., Highstrom, M & Weiss, J. (2010). Journey: General Motors' move to incorporate contextual design into its next generation of automotive HMI designs. <i>Proceedings of the Second International Conference on Automotive User Interfaces and Interactive Vehicular Applications</i> , 156-161.	Tentative models selected for the project- group presentation. Individual assignment: Case study is assigned, due prior to the next class.
10/18/2021	Class 8	Briefly: Intro to Lean Six Sigma – Value Stream Mapping and Risk Assessment	Case study discussion
10/25/2021	Class 9	Guest lecture: Lean	Update project status
11/01/2021	Class 10	Guest lecture: Lean	Update project status
11/08/2021	Class 11	Project preparation	Update project status- Current Vs Future models
11/15/2021	Class 12	Project preparation	Update project status
11/22/2021	Class 13	Final presentation	Final group presentation
11/29/2021	No class	Final report and Team Evaluation	Final report and peer evaluation submission