

# INLS 582:003 System Analysis (Fall 2020)

- Dr. Selina Sharmin

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| 08/12/2020 | Class 1 | <p><b>Introduction and set up for the semester</b></p> <ul style="list-style-type: none"> <li>• Check Sakai access</li> <li>• Review course syllabus, requirements, and policies</li> </ul> <p><b>Intro to Systems Analysis &amp; Information Systems -- what are they?</b></p>   |  |
| 08/19/2020 | Class 2 | <p><b>The Systems Development Life Cycle</b></p> <p>Readings:</p> <ul style="list-style-type: none"> <li>• Beyer &amp; Holtzblatt,             <ul style="list-style-type: none"> <li>- Chapter 1- Introduction</li> <li>- Chapter 2 -User Data Drives Design</li> </ul> </li> </ul> <p><b>Case Study 1</b></p> <ul style="list-style-type: none"> <li>• Beyer &amp; Holtzblatt,             <ul style="list-style-type: none"> <li>- Chapter 5, From Data to Insight: Contextual Design Models</li> </ul> </li> <li>• <b>Case Study 1:</b> Batra, D., Xia, W., VanderMeer, D. &amp; Dutta, K. (2010). Balancing agile and structured development approaches to successfully manage large distributed software projects: A case study from the cruise line industry. <i>Communications of the Association for Information Systems</i>, 27, Article 21, 379-394.</li> </ul>  | Individual assignment:<br>Case Study 1 is assigned and due prior to the next class.  |
| 08/26/2020 | Class 3 | <p><b>Problem Definition, Feasibility Study</b></p> <p>Readings:</p> <ul style="list-style-type: none"> <li>• Davis, W. (1999). The problem statement. In W. Davis &amp; D. Yen, <i>The Information System Consultant's Handbook: Systems Analysis and Design</i>. Boca Raton: CRC Press. Chapter 12, 87-90.</li> <li>• Davis, W. (1999). The feasibility study. In W. Davis &amp; D. Yen, <i>The Information System Consultant's Handbook: Systems Analysis and Design</i>. Boca Raton: CRC Press. Chapter 13, 91-96.</li> </ul> <p><b>Contextual Inquiry and Information Gathering</b></p> <p>Readings:</p> <ul style="list-style-type: none"> <li>• Swan, L., Taylor, A., &amp; Harper, R. (2008). Making place for clutter and other ideas of home. <i>ACM Transactions on Computer-Human Interaction</i>, 15(2), Article 9.</li> <li>• Beyer &amp; Holtzblatt, Ch. 3, Principles of Contextual Inquiry.</li> </ul> <p>Intro to Project Charter<br/>Problem definition assignment</p> | Case study 1 discussion<br><br>Individual assignment:<br>Problem definition is assigned and due prior to the next class (follow the format page 89, table 12.1). |
| 09/02/2020 | Class 4 | <p><b>Contextual Inquiry; Information Gathering – Cont. Interpretation, Scenarios and Personas</b></p> <p>Readings:</p> <ul style="list-style-type: none"> <li>• Beyer &amp; Holtzblatt             <ul style="list-style-type: none"> <li>- Chapter 4, The Interpretation Session.</li> <li>- Using Contextual Data to Write Personas, 188-190.</li> </ul> </li> </ul>   | Problem definition discussion.<br><br>Individual assignment:<br>Case Study 2 is assigned and due prior to the next class.  |

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|            |          | <ul style="list-style-type: none"> <li>• <b>Case Study 2:</b> Gellatly, A., Hansen, C., Highstrom, M &amp; 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.</li> </ul> |  |
| 09/09/2020 | Class 5  | <b>Intro to Lean Six Sigma – Value Stream Mapping and Risk Assessment</b><br><br>Project selection and team organization<br>Information gathering plan assignment   | Case Study 2 discussion.<br><br>Group assignment:<br>Information Gathering Plan is assigned and due in next two weeks.                   |
| 09/16/2020 | Class 6  | <b>Affinity Diagram</b><br>Readings:<br>• Beyer & Holtzblatt,<br>- Chapter 6, The Affinity Diagram.<br><br><b>Traditional Models</b><br>Readings:<br>• Beyer & Holtzblatt<br>- Chapter 8, Traditional Contextual Design Models.   | Information Gathering Plans – preparation  |
| 09/23/2020 | Class 7  | <b>Experience Models</b><br>Readings:<br>• Beyer & Holtzblatt<br>- Chapter 7, Building Experience Models.   | Information Gathering Plans – group presentation<br><br>Group assignment:<br>Tentative models selection assigned, due in next two weeks. |
| 09/30/2020 | Class 8  | <b>Consolidation and Visioning</b><br>• Beyer & Holtzblatt, Ch. 10 The Bridge from Data to Design<br>• Beyer & Holtzblatt, Ch. 11 Ideation: Visioning and the Cool Drilldown  | Update project and model selection   |
| 10/07/2020 | Class 9  | Guest lecture   | Tentative models selected for the project- group presentation  |
| 10/14/2020 | Class 10 | Project preparation   | Update project   |
| 10/21/2020 | Class 11 | Project preparation   | Update project   |
| 10/28/2020 | Class 12 | <b>Draft presentation and progress report.</b>  |  |
| 11/04/2020 | Class 13 | Project preparation   |  |
| 11/11/2020 | Class 14 | <b>Final presentation and progress report.</b>  | Final presentation   |
| 11/18/2020 | Class 15 | <b>Final report and team evaluation due.</b>  | Final report and peer evaluation submission  |
| 11/25/2020 | Class 16 | <b>Evaluation. No class</b>   |  |