SENG321 CLASS LECTURE TOPICS and suggested LAB ACTIVITIES. **This is Tentative** and may change at short notice!

Colour Legend: Lectures, Required Readings, In Class Project Work, Deliverables (all due at 11:59pm on the due date)

Wk	Iteration Number and (Deliverables)	Monday (LECTURE) MAC D016 (4:00-5:20 PM)	Tuesday (LAB) Engineering Lab Wing **Room:** B215 (1:30-2:50 PM)	Wed (LECTURE) MAC D016 (4:00-5:20 PM)	Fri (LAB) Engineering Lab Wing **Room:** B215 (1:30-2:50 PM)	Sun
Week 1	**Iteration 0** **(Team and Project Github setup, Clients develop RFP)**	**Sep 1** **LABOUR DAY**	**Sep 2** **(no lab)** **Students please fill out this survey by 3 pm.**	**Sep 3** **Introductions 1** ***Groups get assigned and posted in Brightspace*** ***Group work starts in class.*** **Chapter 1 (Intro to RE)**	**Sep 5** **(no lab, but suggested activity)** Get to know your project team (go to the pub!) Create your team's Teams space and include the TAs **A0 – Learning Git and Github** (*individual*, not for marks)	Setup your teams' GH repos.
Week 2		**Sep 8** **Client organizations pitch their problem and Developer teams express preferences** Requirements Elicitation	**Sep 9** **Chapter 2** **Chapter 5 (p. 77-91)** **Work on RFP,** as *clients*	**Sep 10** **Chapter 7 (Elicitation)**	**Sep 12** **Chapter 2** **Chapter 5 (p. 77-91)** **Work on RFP,** as *clients* **Lab Slide**	**Request for Proposal document due**

		Chapter 1 (Intro to RE) **Chapter 7 (Elicitation)**	*Lab* Slides Prompt Engineering hints			
3	**Iteration 1 (Project Start: Project Scope and Setup, Requirements Document)**	**Sep 15** **TIme and Team management** **Teamwork activity** **Chapter 3 (p. 43-49)** **1st team assessment due 11pm**	**Sep 16** **Designers** analyse RFP, prepare for elicitations *Lab Slides*	**Sep 17** **Lecture:** **User and data requirements** **Chapter 8 (Understanding user requirements)**	**Sep 19** **1st Client meeting:** Requirements elicitations **Lab Slides**	
4		**Sep 22** **Requirements Documentation** **Chapter 10 (Documenting requirements)** **Chapter 11 (Writing Excellent Requirements)**	**Sep 23** **Designers** - analyse input collected during elicitations, decide if further elicitations are needed. - Work on Reqts Documentation *Lab Slides*	**Sep 24** **Non functional requirements** **Chapter 14**	**Sep 26** **Lab Slides**	**Designer:** **Requirements Document Part 1 due**

5	**Iteration 2 (Refined scope and requirements document + system models, user stories, data models)**	**Sept 29** **Reviewing Requirements** **Chapter 17 (p. 332-341)** **2nd team assessment due 11pm**	**Sept 30** *No Lab. Truth and Reconciliation Day.*	**Oct 1** **Clients analysing the RD and writing feedback** **Client Feedback 1 due**	**Oct 3** **Designers examine issues raised by clients** **2nd Client meeting,** clients give feedback and discuss, agree on project scope. Meeting led in a similar structure as the 1st Client Meeting (requirements elicitation)	
6		**Oct 6** **Overview of requirements modeling (use cases, user stories, UI modeling and prototypes)** **Chapter 8 (Understanding user requirements)**	**Oct 7** **Designers** - Work on Reqts Documentation Chapter 13 (Data models, ERDs) *Lab Week 5 Slides*	**Oct 8** **Requirements modeling.** **Focus on Use cases** **(cont'd)**	**Oct 10** **Designers** - Work on Reqts Documentation Chapter 13 (Data models, ERDs)	**Designers:**
7	**Iteration 3**	**Oct 13** **Happy Thanksgiving!**	**Oct 14** **Designers** - Work on Reqts Documentation: System process models, prototypes	**Oct 15** **Domain and Process models** **Chapter 12** **Chapter 17: Pages 342-349**	**Oct 17** Work on Reqts Documentation: System process models, prototypes	

			Lab Slides **Requirements Document Part 2 due (includes Use case Diagram, one main Use Case, Data models and user stories)**	**3rd team assessment due**		
8		**Oct 20** **Domain and Process models** Work on Reqts Documentation: System process models, prototypes	**Oct 21** **Designers** Work on Reqts Documentation: System process models, prototypes	**Oct 22** **In-class report on projects.** **Inclusive Design and Empathetic Software Engineering**	**Oct 24** **Designers** Work on Reqts Documentation: System process models, prototypes	
9		**Oct 27** **Requirements Validation and Verification** **Chapter 16** **Chapter 17: Pages 342-349**	**Oct 28** **Designers** Work on Reqts Documentation: System process models, prototypes	**Oct 29** **Change Management and Requirements Prioritization** **Supplemental Reading on Prioritization methods (referred to in the Slides)** **Chapter 16**	**Oct 31** **Designers** Work on Reqts Documentation: System process models, prototypes	
10	**Iteration 4**	**Nov 3** **Formal modeling**	**Nov 4** **Designers** Work on Reqts Documentation: System process models, prototypes	**Nov 5** **MIDTERM**	**Nov 7** **Designers** Work on Reqts Documentation: System	**Requirements Document Part 3 due (includes System**

			Lab Slides		process models, prototypes	**(process) models and Prototypes in RD)**
11		**Nov 10** **Reading break**	**Nov 11** **Reading Break**	**Nov 12** **Reading Break**	**Nov 14** **Clients prepare feedback on RD (models and Prototypes)** **Client Feedback 2 due** **4th Team assessment due**	
12		**Nov 17** **Guest Speaker: Andrew Park on Entrepreneurship, Gustavson School of Business**	**Nov 18** **3rd Client Meeting: Prototype demonstrations Clients provide feedback** **In ECS660**	**Nov 19** Final Presentation Guidelines.	**Nov 21** **Incorporate Clients' feedback into RD/models**	**Nov 23**
13		**Nov 24** **RE in agile, startup software organisations**	**Nov 25** **Incorporate Clients' feedback into RD/models**	**Nov 26** **Industry Panel**	**Nov 28** **Incorporate Clients' feedback into RD/models**	**Nov 30** **Requirements Document Part 4 due (Final proto due and clients' issues resolved)**

14		**Dec 1** **Prep for final presentations**	**Dec 2** **Prep for final presentations**	**Dec 3** **Project Final Presentations (** **In ECS660**	**Dec 4** **Project Final Presentations (lab time)** **In ECS660** **5th team assessment due**	