Capstone Course Schedule for the Class of 2022

2021 Fall Semester Schedule

NO.	Date	Topic	Notes
1	M 08/30	Introduction	Forum 1: SE Practices at Google
2	W 09/01	SOLID Principles	
3	F 09/03	Agile Software Process (Project Schedule)	Q1: SOLID (3)
4	W 09/08	Modeling Domain Concepts	
5	F 09/10	Bid for Projects & Team Formation	Ask faculty preference
6	M 09/13	Elicit requirements from users (contact industry mentor)	Work on problem statement (due next Friday)
7	W 09/15	Student-Centered Teamwork & ACM Code of Ethics	Faculty Advisor Assigned; Schedule weekly meeting time
8	F 09/17	Teamwork Commitment Form	Q2: Ethics (3)
9	M 09/20	Agile Practice I: Project Management	Forum 2: Past Experiences in Agile
10	W 09/22	Agile Practice II: Practices & Reflection	
11	F 09/24	Review: Project Problem Statement	Q3: Agile Principles (3)
12	M 09/27	Document User Requirement: Live workshop	Have some teams show the work process
13	W 09/29	System Requirements	Prioritize requirements
14	F 10/01	Report Writing	
15	M 10/04	Architecture Design: Technical Review	
16	W 10/06	Architecture Design: Case Study	
17	F 10/08	Architecture Design Workshop	30 min teamwork, then share
18	M 10/11	Phase I Wrap Up: Share & Workshop	Schedule Presentation
19	W 10/13	Agile Practice III: Continuous Integration	Version control GitHub;
20	F 10/15	Presentation to Faculty	Presentation Coverage
21	M 10/18	Presentation	
22	W 10/20	Presentation	
23	F 10/22	Presentation	
24	M 10/25	Agile Practice IV: Sprint Planning	Start of Construction
25	W 10/27	Agile Practice V: Test Driven Development	
26	F 10/29	Work on Project	
27	M 11/01	Structural Design I: Clean Architecture	Structural Design Assignment
28	W 11/03	Structural Design II: Review of Design Patterns	Forum 3: Design Pattern Understanding
29	F 11/05	Agile Sprint Review 1	Q4: System Design (3)
30	M 11/08	User Interface Design	
31	W 11/10	Agile Practice VI: User Feedback & Change Management	
32	F 11/12	Web App Architecture	Forum 4: Web App Arch
33	M 11/15	Behavioral Design	
34	W 11/17	Agile Sprint Review 2	Q5: Behavior Design (3)
35	F 11/19	Phase II Report	
36	M 11/22	Mobile App Architecture	
37	W 11/24	Security Testing	
38	M 11/29	Presentation	
39	W 12/01	Presentation	
40	F 12/03	Presentation	

41	M 12/06	Reflecting together on Agile reflection	
42	W 12/08	Looking Forward	
43	F 12/10	Agile Sprint Review 3	Teamwork Evaluation

2022 Spring Semester Schedule

NO.	Date	Topic	Notes