4350

✓	Session #	Other		Session Outline	Chapter	Videos	Learning Outcome	Required Reading
	1	8/26		Introduction to course / Syllabus Review/LCs / SE I Review, Senior Exam Intro, Presentations Intro; **explain roles in semester project** Class: None	4 thru 11 (review); 15, 16,17			CSCI 4350, SE I Review
☐	2	8/28		Summation: Vision, Requirements, Introduce Project, **Discuss options,** Class: Provide link to repo and encourage each student to get it running locally using VS by 4th class (on MVP)	12, 22, 25		LO 1, 2, 3, 5,	Requirements, BucStop Microservices, Optional: 05 Scrum Requirements(1-19)
☐	3	9/2		Summation: project management, **Scrum of Scrums, Grooming, Scrum Planning, Burndown Charts/Sprint Backlog/Board, Single code base,** Class: Pick Teams (those that have it running locally can help those that don't) (How do you know it really is running locally). Teams set their target velocity.	14, 19, 20		LO 1, 2, 3	Project Management, Initial Grooming, Scrum Planning 03_PlanningAndEstimation
☐	4	9/4		Summation: MVP, Vertical Slicing, _burndown charts_, **Testing (defect tracking), Reviews, DoD, Risk Mitigation, Small Batches, Frequent Merges,** Class: Team pick options to focus on and define their MVP; as a class we will define the minimum DoD	13, 21, 24		LO 1, 2, 3, 4, 5, 6	MVP, Daily Scrum 09_Reviews_and_Inspections 4350 Testing Optional: 05_Scrum_Requirements (slide 20+)
☐	5	9/9		Summation: DevOps/Emergent Architecture, **Containers and microservices** Class: Can anyone walk the class through the existing solution? PO needs a populated backlog by next class (enough PBIs for the semester).				Emergent Architecture 12-Emerging architecture DevOps , OR 02_The First Way, 07_The Second Way, 11_The Third Way, Or DevOps Handbook Book parts III, IV, and V
					26		LO 1, 2, 3, 6	Optional: 01_SoftwareProjectManagement
☐	6	9/11		Summation: Implementation and Retrospectives Class: Start Initial Grooming	12, 23, 24		LO 1, 2, 3, 4, 5	Implementation Retrospectives 04_ConfigurationManagementAndContinuousIntegration 08_Metrics, 10_CreateAnalyzeTelemetry,
☐	7	9/16		Summation: Security Class: Backlog Grooming (high level designs, rough estimation, acceptance criteria, SMART, dependencies, vertical slicing, Small batches)			LO 1, 2, 3, 4, 5, 6	Security 13_DevSecOps Optional: 14_SecurityDeisgn Patterns 15_SecureUseCases
☐	8	9/18		Summation: None Class: Finish Backlog Grooming. Sprint 1 Planning (detailed design, 4 hrs or less estimations, Test Cases, SMART, Dependencies, Small batches)			LO 1, 2, 3, 4, 5, 6	
☐	9	9/23		**Sprint execution**: Daily Scrum, execute tasks and (if needed) sprint grooming			LO 1, 2, 3, 5	
☐	10	9/25		**Transition day:** Daily Scrum (to determine what is Done and what is not), finalize merges, Sprint Review, Sprint Retrospective, Small break; Sprint Planning and daily Scrum (to pick tasks)			LO 1, 2, 4, 6, 9	
☐	11	9/30	Mid-Term Essay	**Sprint execution**: Daily Scrum, execute tasks and (if needed) sprint grooming			LO 1, 2, 3, 5	
☐	12	10/2		**Transition day:** Daily Scrum (to determine what is Done and what is not), finalize merges, Sprint Review, Sprint Retrospective, Small break; Sprint Planning and daily Scrum (to pick tasks)			LO 1, 2, 3	
☐	13	10/7		**Sprint execution**: Daily Scrum, execute tasks and (if needed) sprint grooming			LO 1, 2, 3, 5	
☐	15	10/9	First Presentation Due	**Transition day:** Daily Scrum (to determine what is Done and what is not), finalize merges, Sprint Review, Sprint Retrospective, Small break; Sprint Planning and daily Scrum (to pick tasks)			LO 1, 2, 3, 7	
☐	16	10/14		Fall Break - no class				
☐	17	10/16		**Sprint execution**: Daily Scrum, execute tasks and (if needed) sprint grooming			LO 1, 2, 3, 5	

4350

✓	Session #	Other		Session Outline	Chapter	Videos	Learning Outcome	Required Reading
☐	18	10/21		**Transition day:** Daily Scrum (to determine what is Done and what is not), finalize merges, Sprint Review, Sprint Retrospective, Small break; Sprint Planning and daily Scrum (to pick tasks)			LO 1, 2, 3	Retrospectives/Roll backs Reminder: I asked the teams to be measure how long it takes to deploy to production each sprint and to review this in their retrospectives as part of The Second Way and CI/CD.
☐	19	10/23		**Sprint execution:** Daily Scrum, execute tasks and (if needed) sprint grooming			LO 1, 2, 3, 5	Ask the teams to describe how their teams are exhibiting the 12 principles of Agile as part of their retrospective exercise.
☐	20	10/28		**Transition day:** Daily Scrum (to determine what is Done and what is not), finalize merges, Sprint Review, Sprint Retrospective, Small break; Sprint Planning and daily Scrum (to pick tasks)			LO 1, 2, 3, 7	
☐	21	10/30		**Sprint execution:** Daily Scrum, execute tasks and (if needed) sprint grooming			LO 1, 2, 3, 5	
☐	22	11/4		**Transition day:** Daily Scrum (to determine what is Done and what is not), finalize merges, Sprint Review, Sprint Retrospective, Small break; Sprint Planning and daily Scrum (to pick tasks)			LO 1, 2, 3, 5	
☐	23	11/6		**Sprint execution:** Daily Scrum, execute tasks and (if needed) sprint grooming			LO 1, 2, 3,7	Each student must summarize the following in progress report 1) how merging works, 2) how deployment works, 3) how microservices works
☐	24	11/11		Veteran's Day - No Class				
☐	25	11/13		**Transition day:** Daily Scrum (to determine what is Done and what is not), finalize merges, Sprint Review, Sprint Retrospective, Small break; Sprint Planning and daily Scrum (to pick tasks)			LO 1, 2, 3, 5	Remind teams to make video playlist for the next semester teams
☐	26	11/18		**Sprint execution:** Daily Scrum, execute tasks and (if needed) sprint grooming			LO 1, 2, 3	
☐	27	11/20	All Quizzes Due & Final Essay Due	**Transition day:** Daily Scrum (to determine what is Done and what is not), finalize merges, Sprint Review, Sprint Retrospective, Small break; Sprint Planning and daily Scrum (to pick tasks)			LO 1, 2, 3, 5	
☐	28	11/25		**Sprint execution:** Daily Scrum, execute tasks and (if needed) sprint grooming			LO 1, 2, 3	Bring it to a close and tying a bow on it
	29	11/27		Thanksgiving Break				
		12/2		**Last Sprint Review (to the class)**				
☐		12/4		Course Retrospective				
☐								
☐								
☐								
☐								
☐								
☐								
☐								
☐								
☐								
☐								
☐								

4350

✓	Session #	Other	Session Outline	Chapter	Videos	Learning Outcome	Required Reading
☐							
☐							
☐							
☐							
☐							
☐							
☐							