

CIS 422 - Software Methodologies - Anthony Hornof - 1/23/2022					
Unless noted otherwise, the chapters are from Sommerville (2015) "Software Engineering", 10th Edition					
Week	Day	High-Level Topic	In-Class Activities	Reading	Projects & Exercises
Week One	Mon, Jan 3	Overview of software engineering	Distribute survey. Introduce someone in class.		
	Wed, Jan 5	Software lifecycle.	Quiz.	<ul style="list-style-type: none"> • Syllabus. • First level of all "Project Handouts" and "Course Handouts" on the course website. • Chapter 1 "Introduction" • Chapter 2 "Software Processes" • In Section 2.1.1., click on and read "Boehm's spiral process model". • Skip Section 2.4 "Process Improvement". 	Quiz.
Week Two	Mon, Jan 10	Software project management, teamwork, and project planning	Develop Gantt charts for a project. At least 2 different ways to assign tasks and schedule deadlines.	Chapter 22 "Project Management". Section 23.3 "Project Scheduling".	
	Wed, Jan 12	Software project management, teamwork, and project planning			
Week Three	Mon, Jan 17	Martin Luther King Jr. Day			
	Wed, Jan 19	Software design and modeling languages		<ul style="list-style-type: none"> • Chapter 5 "System modeling" (skip Section 5.5 "Model-driven engineering"). • Chapter 7 "Design and Implementation" (stop at the start of Section 7.3 "Implementation issues"). 	
Week Four	Mon, Jan 24	Software architecture		Chapter 6 "Architectural Design".	
	Wed, Jan 26	Software architecture			
Week Five	Mon, Jan 31		Students Present Project 1s. Possibly some review for midterm.		Students Present Project 1s
	Wed, Feb 2	Midterm Exam		All reading assigned above.	
Week Six	Mon, Feb 7	Requirements engineering		Chapter 4 "Requirements Engineering"	
	Wed, Feb 9	Requirements engineering			
Week Seven	Mon, Feb 14	Requirements engineering			
	Wed, Feb 16	Requirements engineering			
Week Eight	Mon, Feb 21	Software testing		Chapter 8 "Software Testing"	
	Wed, Feb 23	Software testing			
Week Nine	Mon, Feb 28	User Interface Design		Rosson & Carroll (2008) "Usability Engineering" - On Canvas	
	Wed, Mar 2	User Interface Design			
Week Ten	Mon, Mar 7	Project 2 Group Presentations			
	Wed, Mar 9	Project 2 Group Presentations			