

CS 422 - Software Methodologies - Fall 2026 - Anthony Hornof - 9/29/2026 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	Wed, Sept 30	Overview of software engineering	Distribute survey.		
	Fri, Oct 2	Software lifecycle.	Assign Groups. Introduce Project 1.	- Syllabus. - Chapter 1 "Introduction" - First level of all "Project Handouts" and "Course Handouts" on the course website. - Chapter 2 "Software Processes" (skip Section 2.4 "Process Improvement")	
Week Two	Wed, Oct 7	Project Planning	Develop Gantt charts for a project. At least 2 different ways to assign tasks and schedule deadlines.	- Chapter 3 "Agile Software Development". (Skip Section 3.4 "Scaling Agile Methods") - Section 23.3 "Project Scheduling".	
	Fri, Oct 9	Software Project Management, Teamwork	Identify specific tasks and procedures that can support group collaboration.	Chapter 22 "Project Management".	Project 1 Initial submission due the prior evening.
Week Three	Wed, Oct 14	Software Design and Modeling Languages	Develop some dynamic models based on a problem statement.	- Chapter 5 "System modeling" (skip Section 5.5 "Model-driven engineering"). - Section 7.2 "Design Patterns"	Groups meet with TA around this time.
	Fri, Oct 16	Software Architecture	Propose architectures based on a problem statement.	Chapter 6 "Architectural Design".	
Week Four	Wed, Oct 21	Software Design		Lecture Notes on Software Design Principles	
	Fri, Oct 23	Project 1 Presentations	Students present Project 1s, 8 min. per group.		Project 1 final submission due prior evening.
Week Five	Wed, Oct 28	Midterm Exam		All reading assigned above.	
	Fri, Oct 30		Students give 1-minute presentations on their Project 2 user groups.		Project 2 user groups due prior evening. (each student should submit)
Week Six	Wed, Nov 4	Requirements Engineering		Chapter 4 "Requirements Engineering"	
Week Six	Fri, Nov 6	Requirements Engineering	In-class interview.		Project 2 3-page summary due prior evening. (one per group)
Week Seven	Wed, Nov 11	Requirements Engineering		"HTA_Materials.pdf" on Canvas.	
	Fri, Nov 13	Requirements Engineering			Initial SRS/SDS/ Project Plan due prior evening.
Week Eight	Wed, Nov 18	Software Testing		Chapter 8 "Software Testing"	Groups meet with TA around this time.
	Fri, Nov 20	User Interface Design		On Canvas: "Sharp_14-Evaluation.pdf" "Rosson_and_Carroll.pdf"	
Week Nine	Wed, Nov 25	User Interface Design			
	Fri, Nov 27			Thanksgiving Break	
Week Ten	Wed, Dec 2	Project 2 Group Presentations, 8 min. per group.			Project 2 final submission due prior evening.
	Fri, Dec 4	Final Lecture. Review for Final Exam.		The final exam will cover all reading assigned above.	
Final Exam	Please see the UO examination schedule at: https://registrar.uoregon.edu/calendars/examinations The specific time will also be posted by Week 5 at: https://duckweb.uoregon.edu/duckweb/hwskdhtn.schedule_of_classes				