CS 422 - Software Methodologies - Winter 2024 - Anthony Hornof - 1/19/2024

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	Tue, Jan 9	Overview of software engineering	Distribute survey.		
	Thu, Jan 11	Software lifecycle.	Introduce Project 1. Assign Groups.	• Syllabus. • First level of all "Project Handouts" and "Course Handouts" on the course website. • Chapter 1 "Introduction" • Chapter 2 "Software Processes" • Skip Section 2.4 "Process Improvement".	
Week Two	Tue, Jan 16	(Class cancelled)	(Class cancelled)	(Class cancelled because of ice)	
	Thu, Jan 18	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".	Project 1 Initial submission due the next evening.
Week Three	Tue, Jan 23	Software Design and Modeling Languages		• Chapter 5 "System modeling" (skip Section 5.5 "Model-driven engineering"). • Chapter 7 "Design and Implementation" (skip Sections 7.3 & 7.4).	
	Thu, Jan 25	Software Design and Modeling Languages	Develop some dynamic models based on a problem statement.	Lecture Notes on Software Design Principles	
Week Four	Tue, Jan 30	Software Design Principles		Chapter 6 "Architectural Design".	
	Thu, Feb 1	Software Architecture	Propose architectures based on a problem statement.	Chapter 6 "Architectural Design". Section 7.2 "Design Patterns"	
Week Five	Tue, Feb 6	Project 1 Presentations	Students present Project 1s, 8 min. per group.		Project 1 final submission due prior evening.
	Thu, Feb 8	**Midterm Exam**		All reading assigned above.	
Week Six	Tue, Feb 13	Requirements Engineering	Students present Project 2 ideas.	Chapter 4 "Requirements Engineering"	Project 2 ideation due prior evening. (each student should
	Thu, Feb 15	Requirements Engineering	In-class interview.		
Week Seven	Tue, Feb 20	Requirements Engineering	Cover lecture material.		Project 2 3-page summary due prior evening. (one
	Thu, Feb 22	Requirements Engineering		"HTA_Materials.pdf" on Canvas.	
Week Eight	Tue, Feb 27	Software Testing		Chapter 8 "Software Testing"	Initial SRS/SDS/ Project Plan due prior evening.
	Thu, Feb 29	Software Testing			
Week Nine	Tue, Mar 5	User Interace Design		"Sharp_14-Evaluation.pdf" on course website.	
	Thu, Mar 7	User Interace Design			
Week Ten	Tue, Mar 12	Project 2 Group Presentations			Project 2 final submission due prior evening.
	Thu, Mar 14	Project 2 Group Presentations			
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/hwskdhnt.schedule_of_clas			