CS 422 - Software Methodologies - Spring 2024 - Anthony Hornof - 4/1/2024

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, Apr 2	Overview of software engineering	Distribute survey. Introduce Project 1.	• Syllabus. • Chapter 1 "Introduction"	
	Thu, Apr 4	Software lifecycle.	Assign Groups.	• 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	Tue, Apr 9	Project Planning	Develop Gantt charts for a project. At least 2 different ways to assign tasks and schedule deadlines.	Section 23.3 "Project Scheduling".	
	Thu, Apr 11	Software Project Management, Teamwork	Identify specific tasks and procedures that can support group collaboration.	Chapter 22 "Project Management".	Project 1 Initial submission due the following evening.
Week Three	Tue, Apr 16	Software Design and Modeling Languages	Schedule group meetings with professor.	• Chapter 5 "System modeling" (skip Section 5.5 "Model-driven engineering"). • Section 7.2 "Design Patterns"	
	Thu, Apr 18	Software Design and Modeling Languages	Develop some dynamic models based on a problem statement.	Lecture Notes on Software Design Principles	
Week Four	Tue, Apr 23	Software Architecture	Propose architectures based on a problem statement.	Chapter 6 "Architectural Design".	
	Thu, Apr 25	Software Architecture	Propose architectures based on a problem statement.		
Week Five	Tue, Apr 30	Project 1 Presentations	Students present Project 1s, 8 min. per group.		Project 1 final submission due prior evening.
	Thu, May 2	**Midterm Exam**		All reading assigned above.	
Week Six	Tue, May 7	Requirements Engineering	Students present Project 2 ideas.	Chapter 4 "Requirements Engineering"	Project 2 ideation due prior evening. (each student should
	Thu, May 9	Requirements Engineering	In-class interview.		
Week Seven	Tue, May 14	Requirements Engineering	Cover lecture material. Schedule group meetings with professor.	"HTA_Materials.pdf" on Canvas.	Project 2 3-page summary due prior evening. (one
	Thu, May 16	Requirements Engineering or Group Meetings			
Week Eight	Tue, May 21	Software Testing		Chapter 8 "Software Testing"	Initial SRS/SDS/ Project Plan due prior evening.
	Thu, May 23	Software Testing			
Week Nine	Tue, May 28	User Interace Design		On Canvas: • "Sharp_14-Evaluation.pdf" • "Rosson_and_Carroll.pdf"	
	Thu, May 30	User Interace Design			
Week Ten	Tue, Jun 4	Project 2 Group Presentations, 8 min. per group.			Project 2 final submission due prior evening.
	Thu, Jun 6	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/hwskdhnt.schedule_of_classe				