

Day	2009	Unit	Topic	Recitation (Wed.)	Assignment Due	Open Source Excursion
Tue	13-Jan	Software Engineering	Overview of software engineering, course structure			
Thu	15-Jan	QA	Intro to QA, Units of testing, coverage			
<b>Tue</b>	<b>20-Jan</b>		<b>PRACTICUM PRESENTATIONS</b>	Junit	A1: Case study reflection	<b>Find Project</b>
<b>Thu</b>	<b>22-Jan</b>				Project proposal	<b>PROPOSALS</b>
Tue	27-Jan		Coverage, Regression, Integration	Eclipse and modern IDEs		<b>Work on Projects</b>
Thu	29-Jan	QA	Inspection and Bug Reporting			
Tue	3-Feb		Reliability	Build Tools: Ant	A2: Unit testing	
Thu	5-Feb	Analysis	Static Analysis			
Tue	10-Feb		Dynamic Analysis	Static Analysis Tools: FindBugs	A3: Test design	
Thu	12-Feb	Development	Code maintenance			
Tue	17-Feb		Design Principles	UML	A4: Code inspection	
Thu	19-Feb		Patterns			
Tue	24-Feb	Design	Patterns	SE Jobs	A5: Static analysis	
Thu	26-Feb		Patterns, Design process guidelines			
Tue	3-Mar		Design process practice	Review		
<b>Thu</b>	<b>5-Mar</b>		<b>MID-TERM EXAM</b>			
<b>Tue</b>	<b>17-Mar</b>		<b>PROJECT PRESENTATIONS</b>		Project presentations (due Mar. 16)	<b>PRESENTATIONS AND REPORTS</b>
<b>Thu</b>	<b>19-Mar</b>					
<b>Tue</b>	<b>24-Mar</b>				Web Application Stack	
Thu	26-Mar	Architecture	Frameworks and Libraries			<b>If not done already, get code accepted into release branch</b>
Tue	31-Mar		Architectural Models	Framework tour: Eclipse	A6: Dynamic analysis	
Thu	2-Apr	Requirements	Requirements gathering techniques			
Tue	7-Apr	Organization	Teams	Measurement and Metric	A7: Patterns Identification	
Thu	9-Apr		Guest lecture: Small-team process			
Tue	14-Apr	Process	Large team process, Iteration, and Risk	XP	A8: Designing with Patterns	
Thu	16-Apr		Metrics, Feedback loops, and estimation			
Tue	21-Apr		Guest lecture: Software process at a real company	Recitation for A10	A9: Architecture	
Thu	23-Apr	Software Engineering	Architecture, Business Goals, and Organization			
Tue	28-Apr		Language, Tools, Infrastructure, and Process	Review	A10: Requirements	
Thu	30-Apr	Special Topic	Special domains: Critical, Cyber-physical, and embedded systems			<b>Final Notifications</b>
<b>Mon</b>	<b>11-May</b>		<b>FINAL EXAM</b>			

**This is a rough plan and will almost certainly change.**

Current as of April 14, 2009