

IS 301 Software Engineering

Spring 2015 SYLLABUS

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CLASS MEETS TR 16:00:03 - 17:14:57 IN DEWEY 209

Week	Date	#	Ch	TOPICS & CHAPTERS FROM TEXT	QUIZ # or Exam	Exams & Term Paper Deadlines
1	Tue, Jan 13	1	1	Introduction to the course; Introduction to textbook	1 & 2	<i>Explore possible topics; use instructor as resource to bounce ideas around</i>
	Thu, Jan 15	2	2	Software processes		
2	Tue, Jan 20	3	3	Agile software development	3 & 4	
	Thu, Jan 22	4	4	Requirements engineering		
3	Tue, Jan 27	5	5	System modeling	5 & 6	<i>Project Topic Must be Approved via Nuoodle Upload</i>
	Thu, Jan 29	6	6	Architectural design		
4	Tue, Feb 03	7	7	Design and implementation	7 & 8	<i>Initial Research on Project</i>
	Thu, Feb 05	8	8	Software testing		
5	Tue, Feb 10	9	9	Software evolution	9 & 10	<i>MT Essay-Exam Opens via Nuoodle Download</i>
	Thu, Feb 12	10	10	Sociotechnical systems		
6	Tue, Feb 17	11	11	Dependability and security	11 & 12	
	Thu, Feb 19	12	12	Dependability and security specification		
7	Tue, Feb 24	13	13	Dependability engineering	13 & 14	<i>MT Essay Exam Due for Nuoodle Upload</i>
	Thu, Feb 26	14	14	Security engineering		
8	Tue, Mar 03	15	15	Dependability and security assurance	15 & 16	<i>Work on Term Project</i>
	Thu, Mar 05	16	16	Software reuse		
	Tue, Mar 10	-		<i>Spring Break -- Have a Good Time!</i>		
	Thu, Mar 12	-				
9	Tue, Mar 17	17	17	Component-based software engineering	17 & 18	<i>Opt. Draft Review Open for Project Reports -- in person only in D209 or by Skype file- and screen-sharing</i>
	Thu, Mar 19	18	18	Distributed software engineering		
10	Tue, Mar 24	19	19	Service-oriented architecture	19 & 20	
	Thu, Mar 26	20	20	Embedded software		
11	Tue, Mar 31	21	21	Aspect-oriented software engineering	21 & 22	<i>Opt. Draft Review Ends</i>
	Thu, Apr 02	22	22	Project management		
12	Tue, Apr 07	23	23	Project planning	23 & 24	<i>Complete Term Project Report</i>
	Thu, Apr 09	24	24	Quality management		
13	Tue, Apr 14	25	25	Configuration management	25 & 26	<i>Term Project Report Due via Nuoodle Upload</i>
	Thu, Apr 16	26	26	Process improvement		
14	Tue, Apr 21	27		Discussions		<i>Final Essay Exam Open</i>
	Thu, Apr 23	28				
15	Tue, Apr 28	29		Student research presentations		
	Thu, Apr 30	30				

Final Exam Closes at time assigned by Registrar (TBD)