CS301 Software Engineering 1DC

ONLINE COURSE VIA NUOODLE

Fall 2019 Syllabus

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TEXT: Sommerville, I. (2016). Software Engineering, 10th Edition. Pearson. xiv + 796. Index.
Available from Norwich University Bookstore & from Amazon online for purchase
Hardcover: ISBN: 978-0133943030. < http://tinyurl.com/y5k28nrs > (rental also listed)
Softcover: ISBN: 978-1292096131. < http://tinyurl.com/yyke7m98 >

Week	Starts Monday	TEXT SECTION	TOPICS & RECOMMENDED STUDY SCHEDULE	Quizzes for this week close 23:55 Sunday	Exams	Term Project: Recommended Planning
1	26-Aug	PART 1: INTRODUCTION TO SOFTWARE ENGINEERING	Introduction:	8-Sep	Multiple-choice (MC) quizzes required for every chapter. Use SQ3R for effective learning. Use Review Questions to prepare for quizzes & exams.	SELECT TOPIC – MAY DISCUSS OPTIONS WITH INSTRUCTOR TOPIC MUST BE APPROVED IN WRITING BY INSTRUCTOR DEADLINE: 23:55 SUN 13 OCT
			Using NUoodle, SQ3R & CATA			
			CHAPTER 1: Introduction (Why Study Software Engineering in Detail?)			
2	2-Sep		CHAPTER 2: Software Processes	15-Sep		
			CHAPTER 3: Agile Software Development			
			Review Supplementary Videos for DIscussions			
3	9-Sep		CHAPTER 4: Requirements Engineering	22-Sep		
			CHAPTER 5: System Modeling			
			Review Supplementary Videos for DIscussions			
4	16-Sep		CHAPTER 6: Architectural Design	29-Sep		
			CHAPTER 7: Design & Implementation			
			Review Supplementary Videos for DIscussions			
5	23-Sep		CHAPTER 8: Software Testing	6-Oct	Mid-term exams (Wks 1-5) open on NUoodle 30 Sep	
			CHAPTER 9: Software Evolution			
			Review Supplementary Videos for DIscussions			
6	30-Sep	PART 2: SYSTEM DEPENDABILITY & SECURITY	CHAPTER 10: Dependable Systems	13-Oct		
			CHAPTER 11: Reliability Engineering			
			Review Supplementary Videos for DIscussions			
7	7-Oct		CHAPTER 12: Safety Engineering	20-Oct	MT MEMO exams close 23:55 ET WED 9 OCT 2019 MT MC exams close 23:55 ET FRI 11 Oct	
			CHAPTER 13: Security Engineering			
			CHAPTER 14: Resilience Engineering			
8	14-Oct	PART 3: ADVANCED SOFTWARE ENGINEERING	CHAPTER 15: Software Reuse	27-Oct		RESEARCH PROJECT TOPIC & USE CATA TO STORE & ORGANIZE INFORMATION
			CHAPTER 16: Component-Based Software Engineering			
			Review Supplementary Videos for DIscussions			
9	21-Oct		CHAPTER 17: Distributed Software Engineering	3-Nov	Keep up with the weekly MC quizzes	
			CHAPTER 18: Service-Oriented Software Engineering			
			Review Supplementary Videos for DIscussions			
10	28-Oct		CHAPTER 19: Systems Engineering	10-Nov		PREPARE DRAFT REPORT & DISCUSS W/ INSTRUCTOR
			CHAPTER 21: Real-Time Software Engineering			
			Review Supplementary Videos for DIscussions			
11	4-Nov	PART 4: SOFTWARE MANAGEMENT	CHAPTER 22: Project Management	17-Nov		
			CHAPTER 23: Project Planning (23.1-23.4 only)			
			Review Supplementary Videos for DIscussions			
12	11-Nov		CHAPTER 24: Quality Management	24-Nov		LAST WEEK FOR SENDING DRAFT TO INSTRUCTOR FOR ADVICE
			CHAPTER 25: Configuration management			
			Review Supplementary Videos for DIscussions			
13	18-Nov	NO CLASSES: WORK ON PROJECT & FINAL EXAMS			Final exams open	COMPLETE YOUR PROJECT
25-Nov		THANKSGIVING VACATION				
14	2-Dec	PROJECT REPORTS DUE 23:55 FRI 6 DEC			Complete final exams by deadlines	SUBMIT FINAL PROJECT REPORT BY 23:55 SUN 8 DEC 2019
		FINAL MEMO EXAMS CLOSE 23:55 SUN 8 DEC				
		FINAL MC EXAMS CLOSE 23:55 SUN 15 DEC				