

			<b>Solid State Physics</b>		2016 Winter			
			<i>Physics 155</i>					
			Mon Wed Fri 12:30 to 1:40 Crown 105					
		Instructor Sriram Shastry 214 ISB,				<a href="mailto:sriram@physics.ucsc.edu">sriram@physics.ucsc.edu</a>		
		Office hrs: Monday 3 pm to 4:30 pm and by appointment						
	January	Monday	Wednesday	Friday	Chapter # in Book (appx)			
		4	6	8	Ch2	Lattice Dynamics		
		11	13	15	Ch2+Ch1	Crystal Structure		
		18 Holiday MLK	20	22	Ch 3	Free electron states		
		25	27	29	Ch 3+ Ch 4	Tight binding bands		
	February	1	3 (Subst)	5	Ch 4	Tight binding bands		
		8	10	12	Ch 5 +Ch 6	Semiconductors+ Devices		
		15 Holiday Presidents	17	19	Ch 6+ Ch 7	Dia and Paramagnetism		
		22	24	26	Ch 7+ Ch 8	Magnetic order		
		29	2	4	Ch 8 + Ch 9	Insulators		
	March	7	9	11	Ch 9 + Ch 10	Superconductivity		
		<b>March 16 Final Exam 8-11 AM</b>						
							<b>Syllabus:</b>	
		Text Book: Hook and Hall, Solid State Physics, 2nd Edition					Lattice Dynamics	
	<b>Test 1 20 Jan</b>	Scoring: Best two tests (25% each) 50%+Finals 50%					Crystal Structure	
	<b>Test 2 5th Feb</b>	Homework every week- no scores					Free electron states	
	<b>Test 3 24 Feb</b>					Chapters 1- 10 in Hook & Hall	Tight binding bands	
	<b>Finals 16 March</b>						Semiconductors+ Devices	
							Dia and Paramagnetism	
							Magnetic order	
							Insulators	
							Superconductivity	