

	Date	Topic	Assigned	Due
Dr. Jonas Becker	August 26, 2024 (Monday)	Syllabus & Overview		
	August 28, 2024 (Wednesday)	Hydrogen Atom 1		
	August 30, 2024 (Friday)	Hydrogen Atom 2	Homework 1	
	September 2, 2024 (Monday)			
	September 4, 2024 (Wednesday)	Hydrogen Atom 3		
	September 6, 2024 (Friday)	Many-electron atoms 1	Homework 2	Homework 1
	September 9, 2024 (Monday)	Many-electron atoms 2		
	September 11, 2024 (Wednesday)	The Periodic Table		
	September 13, 2024 (Friday)	Molecules 1	Homework 3	Homework 2
	September 16, 2024 (Monday)	Molecules 2		
	September 18, 2024 (Wednesday)	Crystal Lattices 1		
	September 20, 2024 (Friday)	Q&A	Homework 4	Homework 3
	September 23, 2024 (Monday)	Quiz 1		
	September 25, 2024 (Wednesday)	Quiz Solutions& Crystal Systems		
	September 27, 2024 (Friday)	Crystal Lattices 2	Homework 5	Homework 4
	September 30, 2024 (Monday)	Reciprocal Lattice 1		
	October 2, 2024 (Wednesday)	Reciprocal Lattice 2		
	October 4, 2024 (Friday)	Xray Scattering 1	Homework 6	Homework 5
	October 7, 2024 (Monday)	Xray Scattering 2		
	October 9, 2024 (Wednesday)	Q&A		
	October 11, 2024 (Friday)	Quiz 2	Homework 7	Homework 6
Dr. Mohammad Maghrebi	October 14, 2024 (Monday)	Tight Binding Model 1		
	October 16, 2024 (Wednesday)	Tight Binding Model 2		
	October 18, 2024 (Friday)	Band Structures 1	Homework 8	Homework 7
	October 21, 2024 (Monday)			
	October 23, 2024 (Wednesday)	Band Structures 2		
	October 25, 2024 (Friday)	Perturbation Theory (if needed)	Homework 9	Homework 8
	October 28, 2024 (Monday)	Nearly Free Electron Model 1		
	October 30, 2024 (Wednesday)	Nearly Free Electron Model 2		
	November 1, 2024 (Friday)	Electrical Properties of Solids	Homework 10	Homework 9
	November 4, 2024 (Monday)	Optical Properties of Solids		
	November 6, 2024 (Wednesday)	Hall Effect 1 (optional)		
	November 8, 2024 (Friday)	Boltzmann Model of Vibrations	Homework 11	Homework 10
	November 11, 2024 (Monday)	Q&A		
	November 13, 2024 (Wednesday)	Quiz 3		
	November 15, 2024 (Friday)	Quiz Solutions & Einstein Model	Homework 12	Homework 11
	November 18, 2024 (Monday)	Einstein & Debye Model of Vibrations		
	November 20, 2024 (Wednesday)	Debye Model of Vibrations		
	November 22, 2024 (Friday)	Phononic Band Structures		Homework 12
	November 25, 2024 (Monday)	Q&A/ Wrap-up		
	November 27, 2024 (Wednesday)			
	November 29, 2024 (Friday)			
	December 2, 2024 (Monday)	Quiz 4		
	December 4, 2024 (Wednesday)	Qiz solutions, Q&A / exam prep		
	December 6, 2024 (Friday)	Q&A / exam prep		