

Refresher Course on Condensed Matter Physics

Date	Dr. S. Nabi (10am - 11pm)	Dr. S. Das (11:15 am - 12:15 pm)	Dr. T. Das (10 am -12:15 pm Noon)
02-06-2022	Structure & Symmetry of solids	X-ray, Neutrons, and Electrons: Scattering & Microscopy	
07-06-2022	Lattice Vibration	Raman Spectroscopy + Transport-I	
09-06-2022	Band Theory	Transport-II+ Photoemission spectroscopy	
14-06-2022	Magnetism	Tools to probe Magnetism	
16-06-2022	Superconductivity (11:15am -12:15 pm)		DFT for Solids: Brief Theory (10am-11 am)
21-06-2022	Phase Transitions (11:15am -12:15 pm)		Total Energy in DFT (10am-11 am)
23-06-2022			Phonons via DFT
28-06-2022			Energy Dispersion Plots from DFT
30-06-2022			Optical Excitations from post-DFT
			*DFT: Density Functional Theory