DEPARTMENT OF PHYSICS
CITY COLLEGE

LESSON PLAN FOR THE UNDERGRADUATE COURSE
ACADEMIC YEAR 2021-2022 [Even Semesters 17.02.2022 onwards]

Dr. Mita Mondal

Class	Topics to be covered	No. of lectures	Examination
B.Sc. Hons. Semester 4 CBCS 2019	Core Course: CC9 Analog Electronics: Circuits and Network, Semiconductor Diode & Application, Bipolar Junction Transistor & Biasing, Field Effect Transistors	2/week	As assigned by the University

Dr. Samapti Pal

Class	Topics to be covered	No. of lectures	Examination
B.Sc. Hons. Semester 2 CBCS 2019	Core Course: CC4 Waves and Optics: Wave optics, Interference, Interferometers, Diffraction	2/week	As assigned by the University
B.Sc. Hons. Semester 6 CBCS 2019	Core Course: CC13 Digital Electronics:	2/week	
B.Sc. Hons. Semester 6 CBCS 2019	Core Course: CC14 Solid State Physics:	2/week	

Dr. Kausik Mukhopadhyay

Class	Topics to be covered	No. of lectures	Examination
B.Sc. Hons. Semester 2 CBCS 2019	Core Course: CC4 Waves and Optics: Oscillations, Superposition of harmonic oscillations, Wave motion, Superposition of harmonic waves	2/week	As assigned by the University
B.Sc. Hons. Semester 4 CBCS 2019	Core Course: CC10 Quantum Mechanics	3/week	

Dr. Anshuman Nandy

Class	Topics to be covered	No. of lectures	Examination
B.Sc. Hons. Semester 2 CBCS 2019	Core Course: CC3 Electricity and Magnetism: Magnetostatic Field, Magnetic properties of matter, Electromagnetic induction, Electrical circuits	2/week	As assigned by the University
B.Sc. Hons. Semester 6 CBCS 2019	Core Course: CC13 Digital Electronics:	2/week	
B.Sc. Hons. Semester 6 CBCS 2019	DSE-A2 Nano Materials & Applications: Nanoscale Systems, Synthesis of Nanostructure Materials, Characterization	2/week	
B.Sc. Gen. Semester 6 CBCS 2019	General Course: DSE-B2 Nuclear & Particle Physics: Detector for Nuclear Reactions, Particle Accelerators, Particle Physics	2/week	

Dr. Somdeb Chakraborty

Class	Topics to be covered	No. of lectures	Examination
B.Sc. Hons. Semester 2 CBCS 2019	Core Course: CC3 Electricity and Magnetism: Dirac delta function and its properties, Electrostatics, Dielectric properties of matter, Method of Images, Electrostatic Energy	2/week	As assigned by the University
B.Sc. Hons. Semester 4 CBCS 2019	Core Course: CC8 Mathematical Physics III	3/week	
B.Sc. Hons. Semester 6 CBCS 2019	DSE-B2 Advanced Statistical Mechanics: Ideal Bose systems and Fermi systems, Ising model, Non-equilibrium statistical mechanics	2/week	

Dr. Arindam Midya

Class	Topics to be covered	No. of lectures	Examination
B.Sc. Hons. Semester 4 CBCS 2019	Core Course: CC9 Analog electronics: Regulated Power Supply, Amplifiers, Feedback Amplifiers & OPAMP, Multivibrator, Oscillators	2/week	As assigned by the University
B.Sc. Hons. Semester 4 CBCS 2019	SEC-B2 Arduino	1/week	
B.Sc. Hons. Semester 6 CBCS 2019	DSE-B2 Advanced Statistical Mechanics: Review of classical statistical mechanics, Quantum statistical mechanics	2/week	
B.Sc. Hons. Semester 6 CBCS 2019	DSE-A2 Nano Materials & Applications: Optical properties, Electron transport, Applications	2/week	

Ms. Debasmita Samanta

Class	Topics to be covered	No. of lectures	Examination
B.Sc. Hons. Semester 6 CBCS 2019	Core Course: CC14 Solid State Physics	2/week	As assigned by the University
B.Sc. Gen. Semester 2 CBCS 2019	General Course: GE2 Electricity & magnetism: Essential Vector Analysis, Electrostatics	2/week	
B.Sc. Gen. Semester 4 CBCS 2019	General Course: GE2 Waves & Optics: Introduction to wave Optics, Interference, Diffraction, Polarization	2/week	

Ms. Devdali Banerjee Mitra

Class	Topics to be covered	No. of lectures	Examination
B.Sc. Gen. Semester 2 CBCS 2019	General Course: GE2 Electricity & magnetism: Magnetism, Electromagnetic Induction, Electrodynamics	2/week	As assigned by the University
B.Sc. Gen. Semester 4 CBCS 2019	General Course: GE4 Waves & Optics: Acoustics, Superposition of vibrations, Vibration in String	1/week	
B.Sc. Gen. Semester 6 CBCS 2019	General Course: DSE-B2 Nuclear & Particle Physics: General Properties of Nuclei, Nuclear Models, Radio activity, Nuclear Reactions	2/week	