

**DEPARTMENT OF PHYSICS  
CITY COLLEGE**

**LESSON PLAN FOR THE UNDERGRADUATE COURSE  
ACADEMIC YEAR 2019-2020 [Odd Semester: 12.07.2019 onwards]**

**Dr. Mitali Middy**

<b>Class</b>	<b>Topics to be covered</b>	<b>No. of lectures</b>	<b>Examination</b>
B.Sc. Hons. Semester 1 CBCS 2019	Core Course: CC2 Mechanics: Central Force Motion, Rotational Dynamics	2/week	As assigned by the University
B.Sc. Hons. Semester 3 CBCS 2018	Core Course: CC6 Thermal Physics: Kinetic Theory of Gases, Conduction of Heat	1/week	
B.Sc. Hons. 3 <sup>rd</sup> Year (1+1+1 system)	Paper:V; Unit:10 Quantum Mechanics-II	2/week	

**Dr. Mita Mondal**

<b>Class</b>	<b>Topics to be covered</b>	<b>No. of lectures</b>	<b>Examination</b>
B.Sc. Hons. Semester 1 CBCS 2019	Core Course: CC2 Mechanics: Gravitation, Fluid Motion	1/week	As assigned by the University
B.Sc. Hons. Semester 3 CBCS 2018	Core Course: CC6 Thermal Physics: Introduction to Thermodynamics, Thermodynamic Potentials	2/week	
B.Sc. Hons. 3 <sup>rd</sup> Year (1+1+1 system)	Paper:V; Unit:10 Atomic Physics	2/week	

**Dr. Samapti Pal**

Class	Topics to be covered	No. of lectures	Examination
B.Sc. Hons. Semester 1 CBCS 2019	Core Course: CC1 Mathematical Physics I: Matrices	1/week	As assigned by the University
B.Sc. Hons. Semester 3 CBCS 2018	Core Course: CC7 Digital System & Applications: Boolean Algebra, Sequential Circuits, Timers, Shift Registers, Counters	2/week	
B.Sc. Hons. 3 <sup>rd</sup> Year (1+1+1 system)	Paper: VI; Unit:12 Solid State Physics-I	2/week	

**Dr. Kausik Mukhopadhyay**

Class	Topics to be covered	No. of lectures	Examination
B.Sc. Hons. Semester 1 CBCS 2019	Core Course: CC1 Mathematical Physics I: 1. Calculus; 3. Orthogonal Curvilinear Coordinates	1/week	As assigned by the University
B.Sc. Hons. Semester 3 CBCS 2018	Core Course: CC5 Mathematical Physics II: Frobenius Method; Partial Differential Equations	2/week	
B.Sc. Hons. 3 <sup>rd</sup> Year (1+1+1 system)	Paper:V; Unit:9 Classical Mechanics, Special Theory of Relativity (1 <sup>st</sup> part)	2/week	
B.Sc. Gen. Semester 1 CBCS 2019	General Course: GE1: Mechanics Introduction to Newtonian Mechanics, Rotational Motion	1/week	

**Dr. Anshuman Nandy**

Class	Topics to be covered	No. of lectures	Examination
B.Sc. Hons. Semester 1 CBCS 2019	Core Course: CC1 Mathematical Physics I: Vectors	2/week	As assigned by the University
B.Sc. Hons. Semester 3 CBCS 2018	Core Course: CC7 Digital System & Applications: Integrated Ckts, Digital Ckts, Data Processing Ckts, Circuits, Computer Organization	2/week	
B.Sc. Hons. 3 <sup>rd</sup> Year (1+1+1 system)	Paper VI; Unit:11 Nuclear & Particle Physics I, Nuclear & Particle Physics II	2/week	

**Dr. Somdeb Chakraborty**

Class	Topics to be covered	No. of lectures	Examination
B.Sc. Hons. Semester 1 CBCS 2019	Core Course: CC2 Mechanics: Fundamentals of Dynamics; Work and Energy; Non-Inertial Frames	2/week	As assigned by the University
B.Sc. Hons. Semester 3 CBCS 2018	Core Course: CC5 Mathematical Physics II Fourier Series, Some Special Integrals; Variational Calculus	2/week	
B.Sc. Hons. Semester 3 CBCS 2018	SEC A1: Electrical Ckts & Network Theory	1/week	
B.Sc. Hons. 3 <sup>rd</sup> Year (1+1+1 system)	Paper: V; Unit: 09; Special Theory of relativity (last part) Paper : VIIA; Unit:13; Statistical Mechanics	2/week	
B.Sc. Gen. Semester 1 CBCS Syllabus 2019	General Course (GE1) Mechanics: Math. Methods; Laws of Motion; Work & Energy	1/week	

**Ms. Debasmita Samanta**

<b>Class</b>	<b>Topics to be covered</b>	<b>No. of lectures</b>	<b>Examination</b>
B.Sc. Hons. 3 <sup>rd</sup> Year (1+1+1 system)	Paper VI; Unit:12 Solid State Physics II	2/week	As assigned by the University
B.Sc. Gen. Semester 1 CBCS 2019	General Course (GE1) Mechanics: Elasticity; Surface Tension; Viscosity;	2/week	
B.Sc. Gen. Semester 3 CBCS 2018	General Course (GE3) Thermal Physics & Stat Mech. Laws of Thermodynamics; Thermodynamic Potentials;	1/week	
B.Sc. Gen. 3 <sup>rd</sup> Year (1+1+1 system)	Paper IVA Unit III: Electronics; Unit IV: Communications	1/week	

**Ms. Devdali Banerjee**

<b>Class</b>	<b>Topics to be covered</b>	<b>No. of lectures</b>	<b>Examination</b>
B.Sc. Gen. Semester 3 CBCS 2018	General Course (GE3) Thermal Physics & stat Mech. Statistical Mechanics	2/week	As assigned by the University
B.Sc. Gen. 3 <sup>rd</sup> Year (1+1+1 system)	Paper IVA Unit I; Pumps, Gauges and Engines; Unit II Energy Sources	2/week	