

## School of Physical Sciences Physics

Course Code	Title of the Course	Instructions Hours/ Week (hrs)	Duration of Exam (Hrs)	Marks			Credits
				IA	SEE	Total	
<b>Semester - I</b>							
PS1AUDC100	Mechanics and Properties of Matter	4	2 ½	40	60	100	4
PS1AUDP100	Mechanics and Properties of Matter-Lab	4	4	20	30	50	2
<b>Semester - II</b>							
PS1AUDC150	Electricity and Magnetism	4	2 ½	40	60	100	4
PS1AUDP150	Electricity and Magnetism-Lab	4	4	20	30	50	2
PS1AUOE168	Electrical Circuits and Wiring	3	2 ½	40	60	100	3
<b>Semester - III</b>							
PS1AUDC200	Waves and Optics	4	2 ½	40	60	100	4
PS1AUDP200	Waves and Optics-Lab	4	4	20	30	50	2
PS1AUOE218	Renewable Energy and Energy harvesting	3	2 ½	40	60	100	3
<b>Semester - IV</b>							
PS1AUDC250	Thermal Physics and Electronics	4	2 ½	40	60	100	4
PS1AUDP250	Thermal Physics and Electronics-Lab	4	4	20	30	50	2
PS1AUOE268	Fundamentals of energy storage devices and inverters	3	2 ½	40	60	100	3
<b>Semester - V</b>							
PS1AUDC300	Classical mechanics and Quantum mechanics	4	2 ½	40	60	100	4
PS1AUDP300	Classical mechanics and Quantum mechanics-Lab	4	4	20	30	50	2
PS1AUDC301	Elements of Atomic , Molecular and Laser Physics	4	2 ½	40	60	100	4
PS1AUDP301	Atomic ,Molecular and Laser Physics-Lab	4	4	20	30	50	2
<b>Semester - VI</b>							
PS1AUDC350	Elements of Condensed Matter and Nuclear Physics	4	2 ½	40	60	100	4
PS1AUDP350	Condensed Matter and Nuclear Physics-Lab	4	4	20	30	50	2
PS1AUDC351	Electronic Instrumentation and Sensors	4	2 ½	40	60	100	4

PS1AUDP351	Electronic Instrumentation and Sensors-Lab	4	4	20	30	50	2
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