

KHATRA ADIBASI MAHAVIDYALAYA

DEPARTMENT OF PHYSICS

SYLLABUS MODULE

SESSION 2018-19

(N.B.: Figures in brackets indicate number of lecture hours per week)

For students enrolled under Bankura University

Semester	Course Code	Topic	Instructor
1	SHPHS/101/C-1	Mathematical Physics-I	SS(4)+SG(2)
	SHPHS/102/C-2	Mechanics	SS(4)+MM(2)
	SHPHS/103/GE-1	Mechanics, Electrostatics & Sound	SG(3)+MM(3)
	SP/PHS/101/C-1A	Physics -I	SG(3)+MM(3)
2	SHPHS/201/C-3	Electricity and Magnetism	SS(4)+MM(2)
	SHPHS/202/C-4	Waves and Optics	SS(4)+SG(2)
	SHPHS/203/GE-2	Electromagnetism & Thermal Physics	SG(3)+MM(3)
	SP/PHS/201/C-1B	Physics -II	SG(3)+MM(3)
3	SHPHS/301/C-5	Mathematical Physics-II	SS(6)
	SHPHS/302/C-6	Thermal Physics	SS(4)+MM(2)
	SHPHS/303/C-7	Digital Systems & Applications	SS(2)+MM(4)
	SHPHS/304/GE-3	Physical Optics & Modern Physics	SG(6)
	SHPHS/305/SEC-1	Renewable Energy & Energy Harvesting	MM(3)
	SP/PHS/301/C-1C	Physics III	SG(6)
SP/PHS/304/SEC-1	Renewable Energy & Energy Harvesting	MM(3)	
4	SHPHS/401/C-8	Mathematical Physics III	SS(6)
	SHPHS/402/C-9	Elements of Modern Physics	SS(4)+MM(2)
	SHPHS/403/C-10	Analog Systems & Applications	SS(2)+SG(4)
	SHPHS/404/GE-4	Electronics & Instrumentation	MM(6)
	SHPHS/405/SEC-2	Radiation Safety	SG(3)
	SP/PHS/401/C-1D	Physics IV	MM(6)
	SP/PHS/404/SEC-2	Radiation Safety	SG(3)

Note: Internal Assessment (IA) for 3rd sem students were held on 26th, 27th & 29th September, 2018. For 1st sem students IA was held on 28th & 29th September, 2018.

IA for 4th sem students were held from 26th to 29th March, 2019. For 2nd sem IA was held on 28th & 29th March, 2019.

For students enrolled under Burdwan University

Year	Paper	Topic	Instructor
III	IV	Electrical Machines, Pressure Gauges, Transistor Electronics	MM(3)+SG(3)

- **SS**= Siddhartha Sinha
- **MM**=Meenakshi Mondol (Guest Lecturer)
- **SG**=Sumanta Gorai (Guest Lecturer)

Note: Affiliation to Bankura University starts from 2017-18 session in semester system. This is also the session when Honours program starts in Physics Department.

The remaining Pass students are of Burdwan university under a yearly examination course, enrolled in the 2016-17 academic sessions.

SG & MG resign as Guest Lecturers midway in the 2018-19 sessions.