

Durgapur Women's College
List of Courses Offered by the Department

Name of the Department: Physics

Sl. No.	Semester	Course Code	Course Name	Course Type (Core/MDC/Value-Added/AEC/SEC etc. as applicable)
1	1st	BSCPHYMJ101	Mechanics and General properties of Matter	MJC -1 (Theory and Practical)
2	1st	BSCPHYMN101	Mechanics and General properties of Matter	MNC-1 (Theory and Practical)
3	1st	MDC101	PHYSICAL SCIENCE	MDC-1
4	1st	BSCPHYSE101	Computer Programming in C / FORTRAN/ Python/ SciLab	SEC-1
5	2nd	BSCPHYMJ201	Electricity and Magnetism	MJC -2 (Theory and Practical)
6	2nd	BSCPHYMN201	Electricity and Magnetism	MNC-2 (Theory and Practical)
7	2nd	BSCPHYSE202	Basic Instrumentation Skills	SEC-2
8	2nd	BSCPHYMJ301	Mathematical Methods of Physics	MJC-3
9	3rd	BSCPHYMJ302	OPTICS	MJC-4 (Theory and Practical)
10	3rd	BSCPHYMN301	Fundamentals of Optics	MNC-3

				(Theory and Practical)
11	3rd	MDC-303	Indian Astronomy	MD
12	3rd	BSCPHYMJ401	Classical Mechanics and Special Theory of Relativity	MJC-4
13	4th	BSCPHYMJ402	Heat and Thermal Physics	MJC-6 (Theory and Practical)
14	4th	BSCPHYMN401	Fundamentals of Thermal Physics	MNC-4 (Theory and Practical)
15	4th	BSCPHYSE401	Computer Oriented Numerical Analysis	SEC-3 (Practical)
16	5th	BSCHPHSC501	Quantum Mechanics	Core-11 (Theory & Practical)
17	5th	BSCHPHSSC502	Thermal Physics II	Core-12 (Theory & Practical)
18	5th	BSCHPHSDSE501	Nuclear and Particle Physics	DSEC(Theory)
19	5th	BSCHPHSDSE503	Atomic Physics & Spectroscopy	DSEC(Theory)
20	6th	BSCHPHSC601	Statistical Mechanics	Core-13 (Theory)
21	6th	BSCHPHSC602	Condensed Matter Physics	Core-14 (Theory)
22	6th	BSCHPHSDSE601	Applied Optics	DSEC (Theory)
23	6th	BSCHPHSDSE604	Nanomaterials and Applications	DSEC (Theory)