



Faculty of Physical Sciences

Course Name: B.Sc. (G) – Physics, Maths & Computer Science (PMC)

Course structure under choice based credit system

PDM University, Bahadurgarh, Haryana – 124507

Established under Haryana Private Universities

(Amendment), Act, 2015 (Haryana Act No.1 of 2016)

Faculty of Physical Sciences
Department of Physics

B. Sc. – Physics, Mathematics and Computer Science (PMC)
Semester: I

SNO	COURSE TITLE	COURSE CODE	TEACHING SCHEDULE PERWEEK				CREDITS	EVALUATION SCHEME		
			L	T	P	TOTAL		INT.	EXT.	TOTAL
1	English Communication	ENGL0103	2	0	0	2	2.0	40	60	100
2	Mechanics	PHYS1101	4	0	0	4	4.0	40	60	100
3	Mechanics Lab	PHYS1102	0	0	4	4	2.0	15	35	50
4	Object Oriented Programming	CSEN0108	4	0	0	4	4.0	40	60	100
5	Object Oriented Programming -Lab	CSEN0109	0	0	4	4	2.0	15	35	50
6	Differential Calculus	MATH0104	6	0	0	6	6	50	100	150
7	Foreign Language French German Spanish	LANF0101 LANG0102 LANS0103	2	0	0	2	2	25	50	75
		Total	16	0	8	24	22			625

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Semester: II

SNO	COURSE TITLE	COURSE CODE	TEACHING SCHEDULE PERWEEK				CREDITS	EVALUATION SCHEME		
			L	T	P	TOTAL		INT.	EXT.	TOTAL
1	Environmental Science	ENVS0102	2	0	0	2	2.0	40	60	100
2	Electricity, Magnetism and EMT	PHYS1103	4	0	0	4	4.0	40	60	100
3	Electricity, Magnetism and EMT Lab	PHYS1104	0	0	4	4	2.0	15	35	50
4	Data Structure and File Processing	CSEN0141	4	0	0	4	4.0	40	60	100
5	Data Structure and File Processing - Lab	CSEN0142	0	0	4	4	2.0	15	35	50
6	Differential Equations	MATH0105	6	0	0	6	6	50	100	150
7	Foreign Language French German Spanish	LANF0104 LANG0105 LANS0106	2	0	0	2	2	25	50	75
		Total	16	0	8	24	22			625

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Semester: III

SNO	COURSE TITLE	COURSE CODE	TEACHING SCHEDULE PERWEEK				CREDITS	EVALUATION SCHEME		
			L	T	P	TOTAL		INT.	EXT.	TOTAL
1	Thermal And Stat. Phys.	PHYS2101	4	0	0	4	4.0	40	60	100
2	Thermal And Stat. Phys. Lab	PHYS2102	0	0	4	4	2.0	15	35	50
3	Numerical computing	MATH0132	4	0	0	4	4.0	40	60	100
4	Numerical computing - Lab	MATH0133	0	0	4	4	2.0	15	35	50
5	Real Analysis	MATH0131	6	0	0	6	6.0	50	100	150
6	SEC-I (New Venture Entrepreneurship)	MGMT0103	2	0	0	2	2.0.	40	60	100
7	Yoga	VALU0118	0	0	2	2	1.0	25	25	50
		Total	16	0	8	24	21			600

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Semester: IV

SNO	COURSE TITLE	COURSE CODE	TEACHING SCHEDULE PERWEEK				CREDITS	EVALUATION SCHEME		
			L	T	P	TOTAL		INT.	EXT.	TOTAL
1	Waves and Optics.	PHYS2103	4	0	0	4	4.0	40	60	100
2	Wavea & Optics Lab	PHYS2104	0	0	4	4	2.0	15	35	50
3	Data Analysis and Algorithms	COAP0120	4	0	0	4	4.0	40	60	100
4	Data Analysis and Algorithms - Lab	COAP0121	0	0	4	4	2.0	15	35	50
5	Algebra	MATH0135	6	0	0	6	6.0	50	100	150
6	SEC-II (Basics of IT)	CSEN0103	2	0	0	2	2.0	40	60	100
7	Value Education	VALU0109	2	0	0	2	2.0	25	50	75
		Total	18	0	6	24	22			625

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B. Sc. – Physics, Chemistry and Mathematics (PMC)

Semester: V

SNO	COURSE TITLE		COURSE CODE	TEACHING SCHEDULE PERWEEK				CREDITS	EVALUATION SCHEME		
				L	T	P	TOTAL		INT.	EXT.	TOTAL
1	DSE (Physics)	Digital and analog circuits and instrumentation	PHYS3221	4	0	0	4	4.0	40	60	100
2		Digital and analog circuits and instrumentation Lab	PHYS3222	0	0	4	4	2.0	15	35	50
3	DSE (Comp sc)	Operational Systems	COAP0230	4	0	0	4	4.0	40	60	100
4		Operational Systems Lab	COAP0231	0	0	4	4	2.0	15	35	50
5	DSE (Maths)	(Matrices)	MATH0240	6	0	0	6	6.0	50	100	150
6	(E-Commerce)-SEC-III		MGMT0109	2	0	0	2	2.0	40	60	100
7	Professional Communication-I		VALU0123	2	0	0	2	2.0	25	50	75
8	Aptitude-I		VALU0119	2	0	0	2	2.0	25	50	75
			Total	20	0	08	28	24			700

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B. Sc. – Physics, Chemistry and Mathematics (PMC)

Semester: VI

SNO	COURSE TITLE		COURSE CODE	TEACHING SCHEDULE PERWEEK				CREDITS	EVALUATION SCHEME		
				L	T	P	TOTAL		INT.	EXT.	TOTAL
1	DSE (Physics)	Elements of Modern Physics	PHYS3223	4	0	0	4	4.0	40	60	100
2		Elements of Modern Physics Lab	PHYS3212	0	0	4	4	2.0	15	35	50
3	DSE (Comp sc)	Database Applications	COAP0240	4	0	0	4	4.0	40	60	100
4		Database Applications Lab	COAP0241	0	0	4	4	2.0	15	35	50
5	DSE (Maths)	(Complex Analysis)	MATH0241	6	0	0	6	6.0	50	100	150
6	(Leadership strategy and Organizational Behavior)- SEC-IV		MGMT0110	2	0	0	2	2.0	40	60	100
7	Professional Communication-II		VALU0140	2	0	0	2	2.0	25	50	75
8	Aptitude-II		VALU0136	2	0	0	2	2.0	25	50	75
			Total	20	0	08	28	24			700