



Faculty of Physical Sciences

Course Name: B.Sc. (G) – Physics, Chemistry & Maths (PCM)

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

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

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	Chemistry I: Atomic Structure, Bonding, General Organic Chemistry	CHEM1101	4	0	0	4	4.0	40	60	100
5	Chemistry I: Atomic Structure, Bonding, General Organic Chemistry Lab	CHEM1102	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 PER WEEK				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	EMT Lab	PHYS1104	0	0	4	4	2.0	15	35	50
4	Chemistry II: Physical and Organic Chemistry-I	CHEM1103	4	0	0	4	4.0	40	60	100
5	Chemistry II: Physical and Organic Chemistry-I Lab	CHEM1104	0	0	4	4	2.0	15	35	50
6	Differential Equations	MATH0114	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	Th. + Stat Lab	PHYS2102	0	0	4	4	2.0	15	35	50
3	Chemistry-III: Physical Chemistry and Organic Chemistry-II	CHEM2101	4	0	0	4	4.0	40	60	100
4	Chemistry-III: Physical Chemistry and Organic Chemistry-II Lab	CHEM2102	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	Waves and Optics Lab	PHYS2104	0	0	4	4	2.0	15	35	50
3	Chemistry-IV: Coordination Chemistry and Chemical Kinetics	CHEM2103	4	0	0	4	4.0	40	60	100
4	Chemistry-IV: Coordination Chemistry and Chemical Kinetics Lab	CHEM2104	0	0	4	4	2.0	15	35	50
5	Algebra	MATH0135	6	0	0	6	6	50	100	150
6	SEC-II (Basics of IT)	CSEN0103	2	0	0	2	2	40	60	100
7	Value Education	VALU0109	2	0	0	2	2	25	50	75
		Total	18	0	6	24	22			625

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Semester: V

SNO	COURSE TITLE		COURSE CODE	TEACHING SCHEDULE PER WEEK				CREDITS	EVALUATION SCHEME		
				L	T	P	TOTAL		INT.	EXT.	TOTAL
1	DSE (Physics)	DACI	PHYS3221	4	0	0	4	4.0	40	60	100
2		DACI Lab	PHYS3222	0	0	4	4	2.0	15	35	50
3	DSE (Chem)	(AM in Chem)	CHEM3205	4	0	0	4	4.0	40	60	100
4		(AM in Chem) Lab	CHEM3206	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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Semester: VI

SNO	COURSE TITLE		COURSE CODE	TEACHING SCHEDULE PERWEEK				CREDITS	EVALUATION SCHEME		
				L	T	P	TOTAL		INT.	EXT.	TOTAL
1	DSE (Physics)	EMP	PHYS3223	4	0	0	4	4.0	40	60	100
2		EMP Lab	PHYS3212	0	0	4	4	2.0	15	35	50
3	DSE (Chem)	Green Chemistry	CHEM3209	4	0	0	4	4.0	40	60	100
4		G.C Lab	CHEM3210	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