

PDM UNIVERSITY

Faculty of Life Sciences **Department of Biochemistry** **M.Sc. Biochemistry**

TWO YEAR FULL TIME PROGRAMME



PDM UNIVERSITY BHADURGARH
DELHI- NCR



*Note: Syllabi applicable for students seeking admission in the M.Sc. Biochemistry
Course from the academic year 2018*

Details of Course: M.Sc. Biochemistry

Course Structure Credits (Theory + Practical)

Core Courses (14 Papers)	14 x 04 = 56
Core Course Practicals	11 x 02 = 22
Minor group project	01 x 02 = 02
Dissertation (Experimental, Presentation and Viva-Voce)	01 x 16 = 16
PPT (Pre Placement Training)	0 x 0 = 00

Total Credits = 96

M.Sc. Biochemistry
Department of Biochemistry
Faculty of Life Sciences, PDMU

PROGRAMME STRUCTURE

	Module Code	Module Type	Module Name	Marks			Credits
				Internal	External	Total	
1st Sem	BIOC5101	Core I	Cell Dynamics	50	100	150	4
	BIOC5102	Core I (P)	Cell Dynamics Lab	25	50	75	2
	BIOC5103	Core II	Biomolecules	50	100	150	4
	BIOC5104	Core II (P)	Biomolecules Lab	25	50	75	2
	BIOC5105	Core III	Human Physiology and Nutrition	50	100	150	4
	BIOC5106	Core III (P)	Human Physiology and Nutrition Lab	25	50	75	2
	BIOC5107	Core IV	Biophysical and bio-organic chemistry	50	100	150	4
				Total	275	550	825
2nd Sem	BIOC5108	Core V	Analytical Biochemistry	50	100	150	4
	BIOC5109	Core V (P)	Analytical Biochemistry Lab	25	50	75	2
	BIOC5110	Core VI	Advanced Enzymology	50	100	150	4
	BIOC5111	Core VI (P)	Advanced Enzymology Lab	25	50	75	2
	BIOC5112	Core VII	Intermediary Metabolism	50	100	150	4
	BIOC5113	Core VII (P)	Intermediary Metabolism Lab	25	50	75	2
	BIOC5114	Core VIII	Microbiology	50	100	150	4
				Total	275	550	825
3rd Sem	BIOC6101	Core IX	Advanced Endocrinology	50	100	150	4
	BIOC6102	Core IX (P)	Advanced Endocrinology Lab	25	50	75	2
	BIOC6103	Core X	Biotechnology	50	100	150	4
	BIOC6104	Core X (P)	Biotechnology Lab	25	50	75	2
	BIOC6105	Core XI	Immunology	50	100	150	4
	BIOC6106	Core XI (P)	Immunology Lab	25	50	75	2
	BIOC6107	Core XII	Nutrition in Health and Diseases	50	100	150	4
	BIOC6108	Core XII (P)	Minor Group Project	25	50	75	2
				Total	300	600	900
4th Sem	BIOC6109	Core XIII	Molecular Biology	50	100	150	4
	BIOC6110	Core XIII (P)	Molecular Biology Lab	25	50	75	2
	BIOC6111	Core XIV	Advanced Clinical Biochemistry	50	100	150	4

	BIOC6112	Core XIV (P)	Advanced Clinical Biochemistry Lab	25	50	75	2
	BIOC6113	Core	*Dissertation (Experimental, Presentation and Viva-Voce)	400	400	800	16
			PPT (Pre Placement Training)	0			0
			Total	550	700	1250	28
			Grand Total after four semesters	1400	2400	3800	96