

Name of the Department : Biomedical Science

Odd Semester	Type of the Course	Name of Course	UPC	Credits	Link of DU site having the course syllabus	Page Number of syllabus	Even Semester	Type of the Course	Name of Course	UPC	Credits	Link of DU site having the course syllabus	Page Number of syllabus
Semester 1	Core 1	Bioorganic Chemistry	3182011101	4	Semester 1	37	Semester 2	Core 4	Biochemistry	3182011201	4	Semester 2	37
	Core 2	Cell Biology	3182011102	4	Semester 1	39		Core 5	Principles of Genetics	3182011202	4	Semester 2	40
	Core 3	Human Physiology and Anatomy I	3182011103	4	Semester 1	42		Core 6	Human Physiology and Anatomy II	3182011203	4	Semester 2	44
	GE 1	Landmark discoveries in Science	3184001001	4	Semester 1	47		GE 2	Landmark discoveries in Science	3184001001	4	Semester 2	48
	GE 1	Pandemic Challenges and Preparedness	3184002004	4	Semesters 4, 5, 6	145		GE 2	Pandemic Challenges and Preparedness	3184002004	4	Semesters 4, 5, 6	145
	GE 1	Understanding the human body system	3184002003	4	Semesters 4, 5, 6	167		GE 2	Understanding the human body system	3184002003	4	Semesters 4, 5, 6	167
	SEC 1							SEC 2					
	VAC 1	Yoga: Philosophy and Practice/ Science of Happiness/ Gita for Holistic Life/						VAC 2					
	AEC 1							AEC 2					
Semester 3	Core 7	Medical Microbiology	3182012301	4	Semester 3	274	Semester 4	Core 10	Immunobiology		4	Semesters 4, 5, 6	103
	Core 8	Medical Chemistry	3182012302	4	Semester 3	278		Core 11	Molecular Biology		4	Semesters 4, 5, 6	106
	Core 9	Biostatistics	3182012303	4	Semester 3	282		Core 12	Pharmacology		4	Semesters 4, 5, 6	110
	GE 3	Biochemical Basis of Life		4	Semesters 4, 5, 6	155		GE 4	Biochemical Basis of Life		4	Semesters 4, 5, 6	155
	GE 3	Environment Sustainability and Biomedical Waste Management		4	Semesters 4, 5, 6	120		GE 4	Environment Sustainability and Biomedical Waste Management		4	Semesters 4, 5, 6	120
	GE 3	Concepts in Medicinal Chemistry		4	https://www.du.ac.in/uploads/new-web/13022025-EC-Appendix-6.pdf	44		GE 4	Concepts in Medicinal Chemistry		4	https://www.du.ac.in/uploads/new-web/13022025-EC-Appendix-6.pdf	44
	GE 3	Understanding Genetic Basis of Diseases		4	Semesters 4, 5, 6	149		GE 4	Understanding Genetic Basis of Diseases		4	Semesters 4, 5, 6	149
	GE 3	Health and Body Defense System		4	Semesters 4, 5, 6	162		GE 4	Health and Body Defense System		4	Semesters 4, 5, 6	162
	GE 3	Practices in Biosafety						GE 4	Practices in Biosafety				
	GE 3	Statistical Concepts in Biology		4	Semesters 4, 5, 6	152		GE 4	Statistical Concepts in Biology		4	Semesters 4, 5, 6	152
	GE 3	Diseases in Everyday Life		4	Semesters 4, 5, 6	158		GE 4	Diseases in Everyday Life		4	Semesters 4, 5, 6	158
	DSE 1	Industrial Microbiology		4	Semesters 4, 5, 6	116		DSE 2	Medical Biochemistry		4	Semesters 4, 5, 6	113
	SEC 3							SEC 4					
	VAC 3	Panchkosha/ Gita for Holistic Life						VAC 4					
	AEC 3							AEC 4					
Semester 5	Core 13	Genome Organization and Function	3182013501	4	Semesters 4, 5, 6	124	Semester 6	Core 16	Biophysics		4	Semesters 4, 5, 6	174
	Core 14	Medical Biotechnology	3182013502	4	Semesters 4, 5, 6	128		Core 17	Human Genetics		4	Semesters 4, 5, 6	178
	Core 15	Human Pathology	3182013503	4	Semesters 4, 5, 6	131		Core 18	Toxicology		4	Semesters 4, 5, 6	181
	DSE	Medical Lab Technology		4	Semesters 4, 5, 6	134		DSE	Fundamentals of Neuroscience		4	Semesters 4, 5, 6	184
	DSE	Intellectual Property Rights for Biologists		4	Semesters 4, 5, 6	138		DSE	Green Chemistry - Methods in Pharmaceutical and Industrial Applications		4	Semesters 4, 5, 6	187

	DSE	Drug Design and Discovery		4	Semesters 4, 5, 6	142							
Semester 7	Core 19	Bioinformatics and Omics		4	https://www.du.ac.in/uploads/new-web/13022025-EC-Appendix-6.pdf	3	Semester 8	Core 20	Developmental Biology		4	https://www.du.ac.in/uploads/new-web/13022025-EC-Appendix-6.pdf	6
	DSE 5	Drugs and Vaccines		4	Semesters 4, 5, 6	170		DSE 8	Advanced cell Biology		4	https://www.du.ac.in/uploads/new-web/13022025-EC-Appendix-6.pdf	9
	DSE 6	Research Methodology		4	Semesters 4, 5, 6	191		DSE 9	Advances in Pharmaceutical Sciences		4	https://www.du.ac.in/uploads/new-web/13022025-EC-Appendix-6.pdf	12
	DSE -7	Advanced Molecular Biology and Genetic Engineering		4	https://www.du.ac.in/uploads/new-web/13022025-EC-Appendix-6.pdf	33		DSE 10	Protein Structure and Function: Advanced Concepts and Biomedical Applications		4	https://www.du.ac.in/uploads/new-web/13022025-EC-Appendix-6.pdf	16
	DSE-8	Immune Response to Infection and Disease		2	https://www.du.ac.in/uploads/new-web/13022025-EC-Appendix-6.pdf	27		DSE 11	Advanced Bioorganic Chemistry		4	https://www.du.ac.in/uploads/new-web/13022025-EC-Appendix-6.pdf	19
	DSE-9	Bridging Ancient Practices and Modern Biomedical Research		4	https://www.du.ac.in/uploads/new-web/13022025-EC-Appendix-6.pdf	37		DSE 12	Advanced Techniques in Forensics Sciences		4	https://www.du.ac.in/uploads/new-web/13022025-EC-Appendix-6.pdf	23
	GE-7a	Toxic Substances and Human Health [Mandatory GE]						DSE 13	Model Organisms in Biomedical Research		4	https://www.du.ac.in/uploads/new-web/13022025-EC-Appendix-6.pdf	30
	GE-7b	As per students' requirements						GE 8 (if Minor)	Concepts in Medicinal Chemistry		4	https://www.du.ac.in/uploads/new-web/13022025-EC-Appendix-6.pdf	44
	GE 7 (if							GE 8 (if Minor)	Pathological Basis of Disease		4	https://www.du.ac.in/uploads/new-web/13022025-EC-Appendix-6.pdf	41
								GE 8 (if Minor)	Pharmacological Science		4	https://www.du.ac.in/uploads/new-web/13022025-EC-Appendix-6.pdf	47
	Research/Project/Internship 1							Research/Project/Internship 2					