

COURSE STRUCTURE

1 st Semester					
Theory Subjects:			Sessional Courses:		
Code	Subject	Unit	Code	Subject	Unit
MBI-101	Cell Biology and Molecular Genetics	1.0	MBI-102	BIOINFORMATICS LAB – I	1.0
MBI-103	Biological Chemistry	1.0			
MBI-109	Biomathematics and Biostatistics-I	1.0			
MBI-105	Computer Fundamentals and Programming Basics	1.0			
MBI-107	Bioinformatics Fundamentals	1.0			

2 nd Semester					
Theory Subjects:			Sessional Courses:		
Code	Subject	Unit	Code	Subject	Unit
MBI-201	Structural Biology	1.0	MBI-202	BIOINFORMATICS LAB – II	1.0
MBI-203	Biomathematics and Biostatistics-II	1.0			
MBI-205	DBMS & Web Technology	1.0			
MBI-207	Data Structure	1.0			
MBI-209	Biosequence Analysis Methods and Algorithms	1.0			

3 rd Semester					
Theory Subjects:			Sessional Courses:		
Code	Subject	Unit	Code	Subject	Unit
ELECTIVE PAPERS	(Any One)	1.0	MBI-302	BIOINFORMATICS LAB - III	1.0
MBI-309	Genetic Engineering	1.0			
MBI-311	Image Processing	1.0			
MBI-313	Medical Informatics	1.0			
MBI-315	Nano Biotechnology	1.0			
MBI-317	Biological Engineering	1.0			

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MBI-319	Chem Informatics	1.0	
MBI-321	Metabolic Engineering	1.0	
MBI-301	Genomics and Proteomics	1.0	
MBI-303	Molecular Modelling and Drug Design	1.0	
MBI-305	C++ and GUI PROGRAMMING	1.0	
MBI-307	Computer Graphics	1.0	

4 th Semester					
Theory Subjects:			Sessional Courses:		
Code	Subject	Unit	Code	Subject	Unit
	Colloquium and Term Paper	1.0			
	Project work	5.0			