Semester/ Duration	Subject Code	Title of the Subject	Credits	L/P + T / week	Weightage for UE/IA	Eics) Exam Conduction
Semester - I Foundation Level (16-17 Weeks)	MBI 101	Basic Biosciences	4	3L+1T	0.6/0.4	University
	MBI 102	C programming and Data structure	4	3L+1T	. 0.6/0.4 .	University
	MBI 103	Bio-computing and DBMS	4	3L+1T	0.6/0.4	University
	MBI 104	Essential Biomathematics	2	1L+1T	0.6/0.4	University
	MBI 105	Biostatistics	2	1L+1T	0.6/0.4	University
	MBI 106	Biological Informatics	4	3L+1T	0.6/0.4	University
	MBI 107 Elective I	Bio-physics/ Metabolomics	2	1L+1T	Continuous Assessment	Institute
	MBI 108	Basic Biosciences Lab I	2	2P	0.6/0.4	University
	MBI 109	C programming and Data structure Lab II	2	2P	0.6/0.4	University
	MBI 110	Bio-computing, DBMS and Biostatistics Lab III	2	2P	0.6/0.4	University
	MBI 111	Biological Informatics Lab IV	2	2P	0.6/0.4	University
			Total = 30 credits (28 Foundation + 2Elective) Hours per day = 7.66 hrs.			Total = 750
Semester - II Core Level (16-17 Weeks)	MBI 201	Java and Biojava Programming	4	3L+1T	0.6/0.4	University
	MBI 202	Structural Biology & Molecular Modeling	4	3L+1T	0.6/0.4	University
	MBI 203	Genomics & Proteomics	4	3L+1T	0.6/0.4	University
	MBI 204	Perl and Bioperl Programming	4	3L+1T	0.6/0.4	University
	MBI 205 Elective II	Bio-ethics & IPR/ Immuno-informatics	2	1L+1T	Continuous Assessment	Institute
	MBI 206 Elective III	Software Engineering / Emerging Trends in Information Technology	2	1L+1T	Continuous Assessment	Institute
	MBI 207	Java and Biojava Programming Lab V	2	2P	0.6/0.4	University

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	MBI 208	Structural Biology & Molecular Modeling Lab VI	2	2P	0.6/0.4	University		
	MBI 209	Genomics & Proteomics Lab VII	2	2P	0.6/0.4	University		
	MBI 210	Perl and Bioperl Programming Lab VIII	2	2P	0.6/0.4	University		
	MBI 211 Elective Lab I	HTML and XML/ Introduction to Python Lab IX	2	2P	0.6/0.4	University		
				0 Credits (24 C Hours per day =	ore + 6 Elective) = 8.33 hrs.	Total = 750		
	MBI 301	Scientific Writing Skills	2	1L+1T	Continuous Assessment	Institute		
	MBI 302	Cheminformatics & Drug Design	4	3L+1T	0.6/0.4	University		
	MBI 303	Biological Data Mining	4	3L+1T	0.6/0.4	University		
Semester - III	MBI 304	Systems Biology	4	3L+1T	0.6/0.4	University		
Advanced Level	MBI 305 Elective IV	Recent trends in Bioinformatics/ Commercial Bioinformatics	4	3L+1T	0.6/0.4	University		
(16-17 Weeks)	MBI 306 Elective V	Bio-diversity Informatics/ Artificial Bio-intelligence	2	1L+1T	Continuous Assessment	Institute		
	MBI 307	Cheminformatics & Drug Design Lab X	2	2P	0.6/0.4	University		
	MBI 308	Biological Data Mining Lab XI	2	2P	0.6/0.4	University		
	MBI 309	Systems Biology Lab XII	2	2P	0.6/0.4	University		
	MBI 310 Elective Lab II	Recent trends in Bioinformatics/ Commercial Bioinformatics Lab XIII	2	2Р	0.6/0.4	University		
				28 Credits (20 C Hours per day :	tore +8 Elective) = 7.33 hrs.	Total = 700		
Semester – IV (16-17	MBI 401	Project	12	12P	-	University		
Weeks)			Total = 12 Credits Hours per day = 6.00 hrs.			Total = 600		
M.Sc. Bioinformatics (Sem I to Sem IV) Total: 100 Credits Marks=								