

M.Sc Courses

S.No.	Course No.	Course Title	Credits	Semester
1.	MBB501*	Principles of Biotechnology	3+0	Ist
2.	MBB502/* BIOCHEM504/ BIF508	Fundamentals of Molecular Biology	3+0	Ist
3.	MBB503	Molecular Cell Biology	3+0	IInd
4.	MBB504	Plant Tissue Culture & Genetic Transformation	2+1	IInd
5.	MBB505*	Techniques in Molecular Biology	0+3	Ist
6.	MBB506	Industrial Biotechnology	2+1	IInd
7.	MBB507	Molecular Breeding	2+0	IInd
8.	MBB508/ BIF517	Genomics & Proteomics	2+1	Ist
9.	MBB509	Techniques in Molecular Biology-II	0+3	IInd
10.	MBB510	Biosafety, IPR & Bioethics	2+0	Ist
11.	MBB511/ ABT616	Animal Biotechnology	3+0	Ist
12.	MBB512/ BIOCHEM506/ BIF510	Immunology & Molecular Diagnostics	2+1	IInd
13.	MBB513	Nano-Biotechnology	3+0	Ist
14.	MBB514/ FST519	Food Biotechnology	2+1	Ist
15.	MBB515/ FSC509	Biotechnology of Horticultural Crops	2+1	IInd
16.	MBB553/* STAT534/ FST531/ SOC512	Biostatistics & Computers	2+1	Ist
17.	MBB555/ BIF501/ ABT608/ FSC604	Introduction to Bioinformatics	2+1	Ist
18.	MBB556	Environmental Biotechnology	3+0	IInd
19.	MBB591	Master's Seminar	1+0	Ist , IInd
20.	MBB599	Master's Research	0+20	Ist, IInd

Ph.D Courses

S.No.	Course No.	Course Title	Credits	Semester
1.	MBB601	Advances in Plant Molecular Biology	3+0	Ist
2.	MBB602	Advances in Genetic Engineering	3+0	Ist

3.	MBB603	Advances in Microbial Biotechnology	3+0	IInd
4.	MBB604/ VSC 604/ FLA 605	Advances in Crop Biotechnology	3+0	Ist
5.	MBB 605/ BIOCHEM 606/ PP 602	Advances in Functional Genomics, Proteomics and Metabolomics	3+0	IInd
6.	MBB 606	Commercial Plant Tissue Culture	2+0	Ist
7.	MBB 607/ ABT 707	Advances in Animal Biotechnology	2+0	IInd
8.	MBB 691	Doctoral Seminar I	1+0	Ist, IInd
9.	MBB 692	Doctoral Seminar II	1+0	Ist, IInd
10.	MBB 699	Doctoral Research	0+45	Ist, IInd

Service Courses

S.No.	Course No.	Course Title	Credits	Semester
1	PSMA 606	Biotechnology in Plantation Crops and Spices	1+1	IInd
2	PP 603	Molecular Approaches for Improving Physiological Traits (in part)	2+1	Ist

* Compulsory for Master's programme; Compulsory for Doctoral programme - Any two courses of 600 series + Compulsory courses of M. Sc., if not studied earlier