

Department of Biotechnology
Curriculum for MSc Microbiology

First Semester

S.No.	Course Title	Contact Hours				Credits
		L	T	P	Total	
1	Microbial Diversity	3	1	-	4	4
2	Biostatistics and Applications	3	1	-	4	4
3	Enzyme technology	3	1	-	4	4
4	Biomolecules	3	1	-	4	4
5	Microbiology Lab-I	-	-	12	12	4
6	Presentation and Communication Skills	2	-	-	2	Audit
	Total	14	4	12	30	20

Second Semester

S.No.	Course Title	Contact Hours				Credits
		L	T	P	Total	
1	Bioprocess and Industrial Biotechnology	3	1	-	4	4
2	Environmental Microbiology	3	1	-	4	4
3	Microbial Genetics	3	1	-	4	4
4	Immunology	3	1	-	4	4
5	Microbiology Lab-II	-	-	12	12	4
	Total	12	4	12	28	20

Third Semester

S.No.	Course Title	Contact Hours				Credits
		L	T	P	Total	
1	Food Microbiology	3	1	-	4	4
2	Recombinant DNA Technology	3	1	-	4	4
3	Bioinformatics	3	-	-	3	3
4	DE-1	3		-	3	3
5	DE-II	3		-	3	3
6	Lab-III	-	-	12	12	4
	Total	15	2	12	29	21

Fourth Semester

S.No.	Course Title	Contact Hours				Credits
		L	T	P	Total	
1	DE-III	3	-	-	3	3
2	DE-IV	3	-	-	3	3
3	DE-V	3	-	-	3	3
4	Dissertation	-		20	20	10
	Total	9	-	20	29	19

Total Credits: 80