

Course Module and Scheme						
M.Sc Microbiology -1 Year Program						
Semester	Course Name	L	T	P	C	Lecture Type
I	Microbial 'systematics and applications'	4	0	0	4	PP
I	Applied Microbiology (Food, soil and Agriculture)	4	0	0	4	PP
I	Environmental Microbiology & Wastewater Management	4	0	0	4	PP
I	Advanced Microbiology Lab- II	0	0	4	2	PP
I	Elective -I	3	0	0	3	PR
I	Campus to Corporate	3	0	0	3	PP
I	Creativity, Innovation and Entrepreneurship & IPR	1	0	0	1	PR
	Total credit				21	
Semester	Course Name	L	T	P	C	Lecture Type

II	Medical and Pharmaceutica I Microbiology	4	0	0	4	PP
II	Biotechnology And Genetic Engineering	4	0	0	4	PP
II	Immunology	4	0	0	4	PP
II	Recent Trends in Biological Research	3	0	0	3	PP
II	Advanced Microbiology Lab- II	0	0	4	2	PR
II	Elective - II	3	0	0	3	PP
II	Professional Communicatio n	1	0	2	2	PR
II	Review Writing	1	0	0	1	PR
	Total credit				23	

List of Electives						
	Course Name	L	T	P	C	Lecture Type
	Advanced Microbiology	3	0	0	3	PP
	Structural Biology and Vaccine Development	3	0	0	3	PP

Elective - I	Animal behavior and Environmental biology	3	0	0	3	PP
	Systematics, Evolution and Ecology	3	0	0	3	PP
	Genetics: principle and advancements	3	0	0	3	PP
	Bioanalytical and Biophysical Techniques	3	0	0	3	PP
Elective-II	Course Name	L	T	P	C	Lecture Type
	Bioethics, Bio-safety and IPR	3	0	0	3	PP
	Computational Biology	3	0	0	3	PP
	Pharmaceutical Biotechnology	3	0	0	3	PP
	Biophysics	3	0	0	3	PP
	Biochemical Correlations In Diseases	3	0	0	3	PP
	Industrial Aspects in Life Science	3	0	0	3	PP