



TECHNO INDIA UNIVERSITY
WESTBENGAL

**Syllabus of B.Sc. Microbiology (NEP)
Course Curriculum for All Semester
(4-years UG Degree Course)**



Department of Microbiology

**Techno India University, West Bengal
EM-4, EM Block, Sector V, Bidhannagar,
Kolkata -700091, West Bengal**



B.Sc. in Microbiology
Course Curriculum for All Semesters

Semester VII (With Research)

Sl. No.	Course Code	Course Title	Contact Hrs. / Week			Credit
			L	T	P	
1	TIU-UMB-MJ-T41401	Instrumentation and Bio-techniques	2	1	0	3
2	TIU-UMB-MJ-T41402	Essential Tools in Biological Research	2	1	0	3
3	TIU-UMB-MJ-T41403	Medical Biotechnology	2	1	0	3
4	TIU-UMB-MJ-L41401	Instrumentation and Bio-techniques	0	0	1	1
5	TIU-UMB-MJ-L41402	Essential Tools in Biological Research	0	0	1	1
6	TIU-UMB-MJ-L41403	Medical Biotechnology	0	0	1	1
7	TIU-UMB-SEC-D4101	Dissertation/ Research work	0	0	4	4
Total Credit						16

Semester VII (Without Research)

Sl. No.	Course Code	Course Title	Contact Hrs. / Week			Credit
			L	T	P	
1	TIU-UMB-MJ-T41401	Instrumentation and Bio-techniques	2	1	0	3
2	TIU-UMB-MJ-T41402	Essential Tools in Biological Research	2	1	0	3
3	TIU-UMB-MJ-T41403	Medical Biotechnology	2	1	0	3
4	TIU-UMB-MJ-T41404	Microbes in Sustainable Agriculture and Development	2	1	0	3
5	TIU-UMB-MJ-L41401	Instrumentation and Bio-techniques	0	0	1	1
6	TIU-UMB-MJ-L41402	Essential Tools in Biological Research	0	0	1	1
7	TIU-UMB-MJ-L41403	Medical Biotechnology	0	0	1	1
8	TIU-UMB-MJ-L41404	Microbes in Sustainable Agriculture and Development	0	0	1	1
Total Credit						16

Semester VII (Without Research)

Sl. No.	Course Code	Course Title	Contact Hrs. / Week			Credit
			L	T	P	
1	TIU-UMB-MJ-T42401	Ecology and Biodiversity	2	1	0	3
2	TIU-UMB-MJ-T42402	Fungal, algal and protozoal pathogenesis	2	1	0	3
3	TIU-UMB-MJ-T42403	Plant Pathology	2	1	0	3
4	TIU-UMB-MJ-T42404	Advances in Microbiology	2	1	0	3
5	TIU-UMB-MJ-T42405	Genetics and Genomics	2	1	0	3
4	TIU-UMB-MJ-L42401	Ecology and Biodiversity	0	0	1	1
5	TIU-UMB-MJ-L42402	Fungal, algal and protozoal pathogenesis	0	0	1	1
6	TIU-UMB-MJ-L42403	Plant Pathology	0	0	1	1
7	TIU-UMB-MJ-L42404	Advances in Microbiology	0	0	1	1
8	TIU-UMB-MJ-L42405	Genetics and Genomics	0	0	1	1
Total Credit						20