

Programme: B. Sc. Medical Microbiology

Programme Outcome

On completion of this course, the students will be able to:

- Identify the Bacteria and viruses.
- Apply the knowledge of Medical Microbiology in various aspects of health care for betterment of the society.
- Work as medical microbiologist in India and abroad in Hospitals & Nursing homes, Pathology laboratories, Research institutions & Pharmaceutical industries.

Medical Microbiology (Syllabus as amended Under NEP-2020)

B.Sc. in Medical Microbiology First Semester (First Year)						
			Minimum Teaching hours			Credit Hours
S.No.	Subjects	Subject Code	Theory	Practical	Total	
1	General Pathology	BMM-101	40	40	80	4
2	Fundamentals of Anatomy & Physiology-I	BMM-102	60	60	120	6
3	Basics of Biochemistry	BMM-103	60	60	120	6
4	General Microbiology	BMM-104	40	40	80	4
5.	Sample/ Specimen Collection Training*			80	80	4
				Total	480	24
B.Sc. in Medical Microbiology Second Semester (First Year)						
			Minimum Teaching hours			Credit Hours
S.No.	Subjects	Subject Code	Theory	Practical	Total	
1	Hematology	BMM-201	60	60	120	6
2	Fundamentals of Anatomy & Physiology-II	BMM-202	60	60	120	6
3	Medical Biochemistry	BMM-203	40	40	80	4
4	Introduction to Patient safety	BMM-204	80	-	80	4
5	Sample/ Specimen collection training*	-		80	80	4
				Total	480	24
B.Sc. in Medical Microbiology Third Semester (Second Year)						

			Minimum Teaching hours			Credit Hours
S.No.	Subjects	Subject Code	Theory	Practical	Total	
1	Blood Bank Procedures-I	BMM-301	40	40	80	4
2	Endocrinology	BMM-302	60	60	120	6
3	Clinical Biochemistry-I	BMM-303	40	40	80	4
4	Immunology & Serology	BMM-304	60	60	120	6
5	Clinical Training/ Seminar/ Presentations/Camps*			80	80	4
				Total	480	24

B.Sc. in Medical Microbiology Fourth Semester (Second Year)

			Minimum Teaching hours			Credit Hours
S. No.	Subjects	Subject Code	Theory	Practical	Total	
1	Blood Bank Procedures-II	BMM-401	40	40	80	4
2	Tumor& Cancer Markers	BMM-402	60	60	120	6
3	Clinical Biochemistry-II	BMM-403	40	40	80	4
4	Parasitology	BMM-404	60	60	120	6
5	Clinical Training (in a medical college/100 bedded hospital with well-equipped pathology laboratory for at least one month)*			140	140	6
				Total	540	26

*Not included for university examination.

Table 4: List of Courses