

SBS UNIVERSITY, BALAWALA, DEHRADUN
SCHEME OF COURSE
B.Sc. MEDICAL MICROBIOLOGY

Title of the course	Course code	L-T-P/Week	No. of Credits	University Exam	Internal assessment	Total
SEMESTER-I						
General Haematology	MEDM-111	3-0-0	3	50	50	100
Human Anatomy and Physiology-I	MEDM-112	3-0-0	3	50	50	100
Clinical Biochemistry Technique	MEDM-113	3-0-0	3	50	50	100
Introduction to Medical Microbiology	MEDM-114	3-0-0	3	50	50	100
Preventive Medicine and Health Care	MEDM-115	3-0-0	3	50	50	100
Basic communication	AECC-111	2-0-0	2	50	50	100
Practical-I (MEDM-111 &112)	MEDM-116	0-0-4	2	50	50	100
Practical-II (MEDM-113)	MEDM-117	0-0-4	2	50	50	100
Practical-III (MEDM-114 &115)	MEDM-118	0-0-4	2	50	50	100
Total credits			23			

Title of the course	Course code	L-T-P/Week	No. of Credits	University Exam	Internal assessment	Total
SEMESTER-II						
Basic Pathology	MEDM-121	3-0-0	3	50	50	100
Human Anatomy and Physiology-II	MEDM-122	3-0-0	3	50	50	100
Biomolecules	MEDM-123	3-0-0	3	50	50	100

Fundamentals of Medical Microbiology	MEDM-124	3-0-0	3	50	50	100
Instrumentation in Medical Microbiology	MEDM-125	3-0-0	3	50	50	100
Introduction to Psychology and sociology	MEDM-126	2-0-0	2	50	50	100
Environmental Science	AECC-121	2-0-0	2			
Practical-I (MEDM-121 &122)	MEDM-127	0-0-4	2	50	50	100
Practical-II (MEDM-123)	MEDM-128	0-0-4	2	50	50	100
Practical-III (MEDM-124 &125)	MEDM-129	0-0-4	2	50	50	100
Total credits			25			

Title of the course	Course code	L-T-P/Week	No. of Credits	University Exam	Internal assessment	Total
SEMESTER-III						
Systemic Bacterial Infectious	MEDM-231	3-0-0	3	50	50	100
Diagnostic Bacteriology	MEDM-232	3-0-0	3	50	50	100
Introduction to Entomology	MEDM-233	3-0-0	3	50	50	100
Basic Immunology and Serodiagnosis	MEDM-234	3-0-0	3	50	50	100
Laboratory Diagnostic Techniques	MEDM-235	3-0-0	3	50	50	100
Medical Mycology	MEDM-236	3-0-0	3	50	50	100
Practical-I (MEDM-231 &232)	MEDM-237	0-0-4	2	50	50	100
Practical-II(MEDM-233 &234)	MEDM-238	0-0-4	2	50	50	100
Practical-III (MEDM-235 &236)	MEDM-239	0-0-4	2	50	50	100
Total credits			24			

Title of the course	Course code	L-T-P/Week	No. of Credits	University Exam	Internal assessment	Total
SEMESTER-IV						
Bacterial Pathogens	MEDM-241	3-0-0	3	50	50	100
Specialized Bacterial Diagnosis	MEDM-242	3-0-0	3	50	50	100
Medical Parasitology	MEDM-243	3-0-0	3	50	50	100

Specialized Immunodiagnosis	MEDM-244	3-0-0	3	50	50	100
Laboratory Diagnostic Methods	MEDM-245	3-0-0	3	50	50	100
Public Health Microbiology	MEDM-246	3-0-0	3	50	50	100
Practical-I (MEDM-241 &242)	MEDM-247	0-0-4	2	50	50	100
Practical-II (MEDM-243 &244)	MEDM-248	0-0-4	2	50	50	100
Practical-III (MEDM-245 &246)	MEDM-249	0-0-4	2	50	50	100
Total credits			24			

Title of the course	Course code	L-T-P/Week	No. of Credits	University Exam	Internal assessment	Total
SEMESTER-V						
Systemic Virology	MEDM-351	3-0-0	3	50	50	100
Advanced Diagnostic Techniques-I	MEDM-352	3-0-0	3	50	50	100
Biotechnological Diagnostic techniques	MEDM-353	3-0-0	3	50	50	100
Genetics and Molecular Biology	MEDM-354	3-0-0	3	50	50	100
Applied microbiology and Immunology-I	MEDM-355	3-0-0	3	50	50	100
Laboratory management and Quality control	MEDM-356	3-0-0	3	50	50	100
Practical-I (MEDM-351 &352)	MEDM-357	0-0-4	2	50	50	100
Practical-II (MEDM-233 &354)	MEDM-358	0-0-4	2	50	50	100
Practical-III (MEDM-355 &356)	MEDM-359	0-0-4	2	50	50	100
Total credits			24			

Title of the course	Course code	L-T-P/Week	No. of Credits	University Exam	Internal assessment	Total
SEMESTER-VI						
Advanced Diagnostic Techniques-II	MEDM-361	3-0-0	3	50	50	100
Molecular Biology & Diagnosis	MEDM-362	3-0-0	3	50	50	100
Microbial genetics and Molecular Biology	MEDM-363	3-0-0	3	50	50	100

Applied microbiology and Immunology-II	MEDM-364	3-0-0	3	50	50	100
Introduction to Pharmaceutical and Industrial Microbiology	MEDM-365	3-0-0	3	50	50	100
Introduction in Computer Science and Data analysis	COMP-369	3-0-0	3	50	50	100
First Aid	MEDM-366	2-0-0	2	50	50	100
Practical-I (MEDM-361 &362)	MEDM-357	0-0-4	2	50	50	100
Practical-II (MEDM-363 &264)	MEDM-358	0-0-4	2	50	50	100
Practical-III (MEDM-365 &COMP369)	MEDM-359	0-0-4	2	50	50	100
Total credits			26			
Grand Total of Credits			146			