

M.Sc. Microbiology / Virology

Semester I

Course code*	Course Title	Type	Teaching Scheme			Evaluation Scheme						Minimum Passing						Credit		
						Internal			External			Total	Internal			External			Total	
						L	T	P	CA	MSE	TW		ESE	PR	CA	MSE	TW			ESE
(Mandatory)																				
MMI-411	Microbiology and Immunotechnologies	Core	3			20	20	20	90		150				36		60	3		
MMI-412	Advanced Microbiology	Core	3			20	20	20	90		150				36		60	3		
MMI-413	Cell Biology	Minor	2			10	20	10	60		100				24		40	2		
MMI-414	Biochemistry	Minor	2			10	20	10	60		100				24		40	2		
PGL-411	Micro Lab (Practical)	Core			6	20	25	15		90	150					36	60	3		
PGL-412	Biotechniques Lab (Practical)	Core			6	20	25	15		90	150					36	60	3		
MNP-413	Mini Project	MNP			6	20	25	15		90	150					36	60	3		
OEC-414	Open Elective Course	OEC			2	10	15	15		60	100					24	40	2		
	Total		10		20	130	170	120	300	330	1050							21		

Semester II

Course code*	Course Title	Type	Teaching Scheme			Evaluation Scheme						Minimum Passing						Credit		
						Internal			External			Total	Internal			External			Total	
						L	T	P	CA	MSE	TW		ESE	PR	CA	MSE	TW			ESE
(Mandatory)																				
MMI-421	Pharmaceutical Microbiology	Minor	2			10	20	10	60		100				24		40	2		
MMI-422	Mycology and Parasitology	Core	2			10	20	10	60		100				24		40	2		
MMI-423	Industrial Microbiology	Core	3			20	20	20	90		150				36		60	3		
MMI-424	Clinical and Diagnostic Microbiology	Minor	3			20	20	20	90		150				36		60	3		
PGL-421	Microbial Lab (Practical)	Core			6	20	25	15		90	150					36	60	3		
PGL-422	Diagnosis Lab (Practical)	Core			6	20	25	15		90	150					36	60	3		
MNP-423	Micro Project	MIP			6	20	25	15		90	150					36	60	3		
ACT-424	Academic Tutorials	AT		2		10	20	10	60		100						40	2		
SEM-425	Seminar	RBS	2			10	10		30		50						20	1		
OEC-426	Open Elective Course	OEC			4	10	15	15		60	100					24	40	2		
	Total		12	2	22	150	200	130	390	330	1200							24		

Semester III

Course code*	Course Title	Type	Teaching Scheme			Evaluation Scheme						Minimum Passing					Credit	
						Internal			External			Total	Internal			External		Total
			L	T	P	CA	MSE	TW	ESE	PR	CA		MSE	TW	ESE	PR		
(Mandatory)																		
MMI-431	Medical Bacteriology	Core	3			20	20	20	90		150				36		60	3
MMI-432	Environmental and Agricultural Microbiology	Minor	4			20	40	20	120		200				48		80	4
PGL-433	Experimental Microbiology Lab (Practical)	Core			6	20	25	15		90	150				36		60	3
MNP-434	Major Project	MRP			14	45	45	50	140	210	350				56		140	7
ACT-435	Academic Tutorials	AT		2		10	20	10	60		100						40	2
SEM-434	Seminar	RBS	2			10	10		30		50						20	1
BCL-435	Blended Course	BC			4				60	40	100						40	2
	Total		9	2	24	125	160	115	500	340	1100							22

Semester IV

Course code*	Course Title	Type	Teaching Scheme			Evaluation Scheme						Minimum Passing					Credit	
						Internal			External			Total	Internal			External		Total
			L	T	P	CA	MSE	TW	ESE	PR	CA		MSE	TW	ESE	PR		
(Mandatory)																		
MMI-441	Ethics/ Biosafety/ IPR	Minor	3			20	20	20	90		150				36			3
BIL-442	Big Idea	MRP			20				360	240	600				96		240	12
BCL-443	Blended Course	BC			4				60	40	100						40	2
	Total		3	0	24	20	20	20	510	280	850							17

L- Lecture, T-Tutorial, P-Practical, CA- Continuous Assessment, MSE- Mid Semester Examination, ESE- End Semester Examination, PR-Practical, TW-Term Work