

Swarnim Startup & Innovation University

SWARRNIM SCIENCE COLLEGE

Master of Science (M.Sc.) Microbiology

Masters- Teaching scheme, syllabus & examination pattern

Semester 1																
Sr. No.	Subject Code	Subject Name	Credit	Teaching scheme per week				Examination								Total
				Th	Tut	Practical	Total	Internal				External				
								Th	PASSING	Pr	PASSING	Th	PASSING	Pr	PASSING	
1	256030101	Gene Structure and Function	4	4	-	-	4	30	12	-	-	70	25	-	-	100
2	256030102	Bioinstrumentation	4	4	-	-	4	30	12	-	-	70	25	-	-	100
3	256030103	Microbial Diversity	4	4	-	-	4	30	12	-	-	70	25	-	-	100
4	256030104	Biogeohydratechnology and Biofuels	4	4	-	-	4	30	12	-	-	70	25	-	-	100
5	256030105	Practicals	8	-	-	12	12	-	-	200	80	-	-	-	-	200
		Total	24	16	-	12	28	120	-	200	-	280	-	-	-	600

Semester 2																
Sr. No.	Subject Code	Subject Name	Credit	Teaching scheme per week				Examination								Total
				Th	Tut	Practical	Total	Internal				External				
								Th	PASSING	Pr	PASSING	Th	PASSING	Pr	PASSING	
1	256030201	Microbial Genetics	4	4	-	-	4	30	12	-	-	70	25	-	-	100
2	256030202	Immunology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
3	256030203	Bioprocess Technology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
4	256030204	Tools and techniques in synthetic microbiology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
5	256030205	Practicals	8	-	-	12	12	-	-	200	80	-	-	-	-	200
		Total	24	16	-	12	28	120	-	200	-	280	-	-	-	600


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Semester 3																
Sr. No.	Subject Code	Subject Name	Credit	Teaching scheme per week				Examination								Total
				Th	Tut	Practical	Total	Internal				External				
								Th	PASSING	Pr	PASSING	Th	PASSING	Pr	PASSING	
1	256030301	Microbial Biotechnology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
2	256030302	Enzymology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
3	256030303	Food & Dairy Microbiology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
4	256030304	Agriculture Microbiology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
5	526030305	Practicals	8	-	-	12	12	-	-	200	80	-	-	-	-	200
		Total	24	16	-	12	28	120	-	200	-	280	-	-	-	600

Semester 4																
Sr. No.	Subject Code	Subject Name	Credit	Teaching scheme per week				Examination								Total
				Th	Tut	Practical	Total	Internal				External				
								Th	PASSING	Pr	PASSING	Th	PASSING	Pr	PASSING	
1	256030401	Environmental Microbiology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
2	256030402	r-DNA Technology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
3	256030403	Practicals	4	-	-	6	6	-	-	100	40	-	-	-	-	100
4	256030404	Dissertation	12	-	-	12	12	-	-	300	120	-	-	-	-	300
		Total	24	8	-	18	26	60	-	400	-	140	-	-	-	600



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