

Swarnim Startup & Innovation University

SWARRNIM SCIENCE COLLEGE

Master of Science (M.Sc.) Biotechnology

Masters- Teaching 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	256010101	Gene Structure and Function	4	4	-	-	4	30	12	-	-	70	25	-	-	100
2	256010102	Bioinstrumentation	4	4	-	-	4	30	12	-	-	70	25	-	-	100
3	256010103	Microbial Diversity	4	4	-	-	4	30	12	-	-	70	25	-	-	100
4	256010104	Biogeohydratechnology and Biofuels	4	4	-	-	4	30	12	-	-	70	25	-	-	100
5	256010105	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	256010201	Microbial Genetics	4	4	-	-	4	30	12	-	-	70	25	-	-	100
2	256010202	Immunology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
3	256010203	Bioprocess Technology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
4	256010204	Tools and techniques in synthetic microbiology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
5	256010205	Practicals	8	-	-	12	12	-	-	200	80	-	-	-	-	200
		Total	24	16	-	12	28	120	-	200	-	280	-	-	-	600

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Semester 3

SEMESTER V																
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	256010301	Microbial Biotechnology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
2	256010302	Enzymology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
3	256010303	r-DNA Technology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
4	256010304	Animal Tissue culture & pharmaceutical Biotechnology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
5	256010305	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	256010401	Plant Biotechnology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
2	256010402	Environmental Biotechnology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
3	256010403	Practicals	4	-	-	6	6	-	-	100	40	-	-	-	-	100
4	256010404	Dissertation	12	-	-	12	12	-	-	300	120	-	-	-	-	300
		Total	24	8	-	18	26	60	-	400	-	140	-	-	-	600

(Signature)

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