



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

[Master of Science in Microbiology]

Semester-I

Course Type	Course Code	Course Title	Teaching-Learning Scheme		Credits	Assessment Scheme & Marks				Total Marks
			L-P-T	Total Notional Hours		Internal Assessment			External Assessment	
						FA	SA	Total		
DSC (Any Five)	P2S01NCMIC01	Molecular Biology	4-0-1	120	4	30	20	50	50	100
	P2S01NCMIC02	Microbial Physiology and Metabolism	4-0-1	120	4	30	20	50	50	100
	P2S01NCMIC03	Molecular Cell Biology	4-0-1	120	4	30	20	50	50	100
	P2S01NCMIC04	Bioanalytical Laboratory	0-8-0	120	4	30	20	50	50	100
	P2S01NCMIC05	Cell and Molecular Biology Laboratory	0-8-0	120	4	30	20	50	50	100
DSE (Any One)	P2S01NEMIC01	Bioethics & Biosafety	2-0-0	60	2	15	10	25	25	50
	P2S01NEMIC02	Entrepreneurship Fundamentals	2-0-0							
	P2S01NEMIC03	Principles of Ecology	2-0-0							
	P2S01NEMIC04	Pharmaceutical Microbiology	1-2-0							
	P2S01NEMIC05	Mathematics Essentials for Biologists	2-0-0							
				660	22			275	275	550

DSC: Discipline Specific Core; **DSE:** Discipline Specific Elective; **L:** Lecture; **P:** Practical; **T:** Tutorial ; **FA:** Formative Assessment
SA: Summative Assessment