



PROGRAMME STRUCTURE
Master of Science in Nano Science
MSc (Nano Science) Semester: I

Programme Outcome (PO) - For MSc Nano Science Programme	Nano Science & Nano Technology is an interdisciplinary subject of great importance. The syllabi in this program cover various aspects of physics, chemistry and engineering relevant to different types of materials and nano materials. As the rapid progress is being made in the development of sophisticated tailor made nanomaterials of desired properties and specifications to suit specific needs, this program will help the students to be technologically sound in the area of nanoscience and nanotechnology with the scientific knowledge of chemical and physical sciences.
Programme Specific Outcome (PSO) - For MSc Nano Science Semester - I	This program will help the students <ul style="list-style-type: none">➤ to strengthen their knowledge on the fundamental aspects of materials science and nanoscience➤ to acquire knowledge on the properties of different types of nanomaterials➤ to get acquainted with different experimental and technical methods used for the characterization of nanomaterials➤ the area of applications where different tailor made nanomaterials can be used.
To Pass	(1).... (2)....





SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar, Gujarat
(Reaccredited with 'A' Grade by NAAC (CGPA 3.25))
Syllabus with effect from the Academic Year 2021-2022

Course Type	Course Code	Name Of Course	Theory/ Practical	Credit	Exam Duration in hrs	Component of Marks		
						Internal	External	Total
						Total	Total	Total
Core Course	PS01CNST51	Fundamental Materials Science	T	4	3	30	70	100
	PS01CNST52	Interfaces and Adhesion in Materials	T	4	3	30	70	100
	PS01CNST53	Basic aspects of Vacuum Technology and Thin films	T	4	3	30	70	100
	PS01CNST54	Basic Concepts in Polymer Science	T	4	3	30	70	100
	PS01CNST55	Practicals I	P	4	3	30	70	100
	PS01CNST56	Practicals II	P	4	3	30	70	100
	PS01CNST57	Comprehensive Viva		1	-	-	50	50

