

## M.Sc. (Chemistry) Part-I

(Physical Chemistry, Inorganic Chemistry and Analytical Chemistry)

Course Structure (According to NEP-2023 of SPPU)

### Semester I

Sr. No.	Course Title	Course Code	Major Core/ Major elective	Credits
1	Physical Chemistry-I	CHE-501	Major Core	4
2	Inorganic Chemistry-I	CHE-502	Major Core	4
3	Organic Chemistry-I	CHEPIA-503	Major Core	2
4	Physical Chemistry Practical -I	CHE-504	Major Core	2
5	Inorganic Chemistry Practical-I	CHE-505	Major Core	2
6	Organic Chemistry Practical-I	CHE-506	Major elective	2
7	Chemical Mathematics	CHE-507(A)	Major elective	2
	Chemistry of Nanomaterials	CHE-507(B)		
	Analytical Chemistry	CHE-507(C)		
	Basic Organic Chemistry	CHEPIA-507(D)		
8	Research Methodology	CHE-508	RM	4

## Semester II

Sr. No.	Course Title	Course Code	Major Core/ Major elective	Credits
1	Physical Chemistry-II	CHE-551	Major Core	4
2	Inorganic Chemistry-II	CHE-552	Major Core	4
3	Organic Chemistry-II	CHEPIA-553	Major Core	2
4	Physical Chemistry Practical -II	CHE-554	Major Core	2
5	Inorganic Chemistry Practical-II	CHE-555	Major Core	2
6	Organic Chemistry Practical-II	CHE-556	Major elective	2
7	Organometallic Compounds and Inorganic Reaction Mechanism	CHE-557(A)	Major elective	2
	Material Characterization Techniques	CHE-557(B)		
	Green Chemistry	CHE-557(C)		
	Pericyclic Reactions and Photochemistry	CHEPIA-557(D)		
8	On-Job Training/Internship	CHE-558	OJT/Internship	4