

P.E. Society's Modern College of Arts, Science and Commerce(Autonomous), Ganeshkhind, Pune 16.

Department of Chemistry- Course- MSc(Chemistry)

Level	Sem	Disciplinary Major Mandatory	DSE Electives	RM	OJT/FP	RP	Cumulative Credits
6	I	14 Cr 4Cr-(Th)-Thermodynamics and Chemical Kinetics 4Cr(Th)-Stereochemistry and Organic syntheses 2Cr-(Pr)-Physical chemistry-I 2Cr-(Pr)-Inorganic chemistry-I 2Cr-(Pr)-Organic chemistry-I	4Cr 4Cr-(Th)-Molecular symmetry and Chemistry of main group elements	4Cr(2Cr(Th) + 2Cr(Pr))			22
	II	14 Cr 4Cr-(Th)-Coordination and Bioinorganic chemistry 4Cr-(Th)- Organic spectroscopy and Photochemistry 2Cr-(Pr)-Physical chemistry-II 2Cr-(Pr)-Inorganic chemistry-II 2Cr-(Pr)-Organic chemistry-II	4Cr 4Cr (Th)-Molecular spectroscopy and Nuclear chemistry		4		22
Cu. Cr. for PG Diploma		24-28	8	4	4		40-44
6.5	III	14 Cr 4Cr-(Th)- Organic Reaction Mechanism and Pericyclic Chemistry 4Cr-(Th)-Advanced Organic spectroscopy 2Cr-(Th)- Heterocyclic Chemistry 2Cr(Pr)-Convergent and Divergent Synthesis 2Cr(Pr)- Ternary mixture separation	4Cr 4Cr (Th)-Stereochemistry of organic compounds and Asymmetric synthesis			4 Cr P	22
	IV	12Cr 4Cr-(Th)-Natural Products Chemistry 4Cr-(Th)-Synthetic Organic Chemistry 2Cr-(Th)-Medicinal Chemistry 2Cr(Pr)-Green Organic Synthesis	4Cr 4Cr(Th)Retrosynthesis and Protecting-Deprotecting reagents			6Cr P	22
Cum. Cr. for 1 Yr. PG		22-26	8			10	40-44
Cum. Cr. for 2 Yr. PG		46-54	16	4	4	10	80-88