

CHEMISTRY

Semester I

Paper Code	Title	Contact Hrs.		Credit
		Per semester	Per week	
CHY 101	Molecular Structure and Bonding	30	2	2
CHY 102	Some Concepts of Organic Chemistry and Hydrocarbons	30	2	2
CHY 103	States of Matter	30	2	2
CHY 104	Laboratory Course I	60	4	2
Total Credits for Semester I				8

Semester II

Paper Code	Title	Contact Hrs.		Credit
		Per semester	Per week	
CHY 201	Systematic Chemistry of Main Group Elements	30	2	2
CHY 202	Aromaticity and Stereochemistry	30	2	2
CHY 203	Solutions and Reaction Kinetics	30	2	2
CHY 204	Laboratory Course II	60	4	2
Total Credits for Semester II				8

Semester III

Paper Code	Title	Contact Hrs.		Credit
		Per semester	Per week	
CHY 301	Coordination Chemistry	30	2	2
CHY 302	Functionalized Organic Compounds (Carbon-Halogen and Carbon- Oxygen/Sulphur bonds)	30	2	2
CHY 303	Thermodynamics and Electrochemistry	30	2	2
CHY 304	Laboratory Course III	60	4	2
Total Credits for Semester III				8

Semester IV

Paper Code	Title	Contact Hrs.		Credit
		Per semester	Per week	
CHY 401	Selected Topics in Chemistry	30	2	2
CHY 402	Functionalized Organic Compounds (Carbonyl Compounds, Carboxylic Acid, & its derivatives)	30	2	2
CHY 403	Applications of Thermodynamics	30	2	2

CHY 404	Laboratory Course IV	60	4	2
Total Credits for Semester IV				8

Semester V

Paper Code	Title	Contact Hrs.		Credit
		Per semester	Per week	
CHY 501	Transition Metal Complexes: Bonding and Spectra	30	2	2
CHY 502	Biomolecules, Polymers, & Spectral Techniques	30	2	2
CHY 503	Introduction to Quantum Mechanics	30	2	2
CHY 504	Laboratory Course V	60	4	2
Total Credits for Semester V				8

Semester VI

Paper Code	Title	Contact Hrs.		Credit
		Per semester	Per week	
CHY 601	Organometallics Bio-inorganic and Inorganic Polymers	30	2	2
CHY 602	Nitrogen Containing Organic Compounds and Some aspects of Medicinal Chemistry	30	2	2
CHY 603	Spectroscopy and Photochemical Laws	30	2	2
CHY 604	Laboratory Course VI	60	4	2
Total Credits for Semester VI				8
Total Credits				48