

COURSE AT A GLANCE

SUBJECT: CHEMISTRY

ACADEMIC SESSION: **2025-26****First Semester-December, 2025**

Course Number	Course Title	Credit Hour	Mark Distribution	Maximum Marks
411	INORGANIC CHEMISTRY -I	4(Theory)	20+80	100
412	ORGANIC CHEMISTRY -I	4(Theory)	20+80	100
413	PHYSICAL CHEMISTRY-I	4(Theory)	20+80	100
414	INSTRUMENTAL METHODS OF ANALYSIS	4(Theory)	20+80	100
415	INORGANIC CHEMISTRY PRACTICAL -I	2(Practical)	100	100
416	ORGANIC CHEMISTRY PRACTICAL-I	2(Practical)	100	100
417	Environmental Studies and Disaster Management	2	40+60	100

Second Semester-April, 2026

Course Number	Course Title	Credit Hour	Mark Distribution	Maximum Marks
421	INORGANIC CHEMISTRY -II	4(Theory)	20+80	100
422	ORGANIC CHEMISTRY -II	4(Theory)	20+80	100
423	PHYSICAL CHEMISTRY-II	4(Theory)	20+80	100
424	ATOMIC AND MOLECULAR SPECTROSCOPY	4(Theory)	20+80	100
425	INORGANIC CHEMISTRY PRACTICAL-II	2(Practical)	100	100
426	ORGANIC CHEMISTRY PRACTICAL -II	2(Practical)	100	100
427	Inter Disciplinary Course (IDC)	3	40+60	100

Third Semester-December, 2026

Course Number	Course Title	Credit Hour	Mark Distribution	Maximum Marks
511	INORGANIC CHEMISTRY -III	4(Theory)	20+80	100
512	ORGANIC CHEMISTRY -III	4(Theory)	20+80	100
513	PHYSICAL CHEMISTRY-III	4(Theory)	20+80	100
514	ANALYTICAL TECHNIQUES IN ORGANIC CHEMISTRY	4(Theory)	20+80	100
515	PHYSICAL CHEMISTRY PRACTICAL	2(Practical)	100	100
516	COMPUTATIONAL CHEMISTRY PRACTICAL / INDUSTRIAL CHEMISTRY PRACTICAL	2(Practical)	100	100
517	Entrepreneurship Development	2	40+60	100

Fourth Semester-April, 2027

Course Number	Course Title	Credit Hour	Mark Distribution	Maximum Marks
521	ADVANCED ORGANOMETTALIC CHEMISTRY	4(Theory)	20+80	100
522-A	ADVANCED ORGANIC SYNTHESIS / ADVANCED ANALYTICAL CHEMISTRY / PHOTOPHYSICAL CHEMISTRY	4(Theory)	20+80	100
522-B	CHEMISTRY OF NANO MATERIALS / SUPRAMOLECULAR CHEMISTRY / MOLECULAR MODELING			
523	PROJECT	4(Theory)	20+80	100
524	COMPREHENSIVE VIVA	4(Theory)	100	100
525	SEMINAR	2(Practical)	100	100

526	ADVANCED ORGANOMETTALIC CHEMISTRY	2(Practical)	100	100
527	MOOC	3		100