

School of Chemistry Course List -Varsha 2023

Course Code	Course Name	Faculty List
CHY211	Basic Concepts in Organic & Inorganic Chemistry II	Dr. Soumen De Prof. Sukhendu Mandal
CHY212	Chemistry Lab-II	Dr. Basudev Sahoo (primary in-charge for first half) Dr. Ramesh Rasappan (primary in-charge for second half) Dr. Indranil Mondal Dr. Krishnadas
CHY311/MS311	Coordination Chemistry (Minor -Only for 3 rd year)	Dr. Subrata Kundu
CHY312/MS312	Organic Chemistry-Reactions and Mechanisms (Minor -Only for 3 rd year)	Dr. Alagiri Kaliyamoorthy Dr. Veera Reddy
CHY313/MS313	Quantum Chemistry	Dr. Vinesh Vijayan
CHY314/MS314	Physical Chemistry II (Minor -Only for 3 rd year)	Dr. Jerry Fereiro
CHY315/MS315	Organic Chemistry Lab	Dr. Alagiri Kaliyamoorthy Dr. Veera Reddy Dr. Keshaba Parida
CHY411/614/ MS411	Main Group Chemistry (Minor -Only for 4 th year)	Dr. Gokulnath Sabapathi Dr. Ramaraj Ayyappan
CHY412/4102/615	Advanced Organic Chemistry (Minor -Only for 4 th year) (Elective for 2 nd year MSc)	Dr. Ramesh Rasappan Dr. Basudev Sahoo
CHY413/616/MS413	Chemical and Statistical Thermodynamics	Dr. Adithya Lakshmana
CHY414/MS414	Chemical Kinetics and Dynamics (Minor -Only for 4 th year)	Dr. A. Muthukrishnan
CHY415/MS415	Physical Chemistry Lab	Dr. Sivaranjana Reddy (Coordinator), Dr. Shyamala T.
CHY5104/6101	Fundamentals of Solution State NMR Spectroscopy: Principles and Applications (Elective for 4 th /5 th year BS-MS/i2C students, 2 nd year MSc and IPHD)	Dr. Vinesh Vijayan (Coordinator)

CHY5102 /6103	Organic Chemistry Modern Organic Synthesis: Advances in Methods and Reagents (Elective for 5 th year BS-MS, 2 nd year MSc and IPHD)	Dr. Rajendar Goreti
CHY 619	Research Methodology (Ph.D. only)	One lecture by each faculty, Dr. Rajendra Kurapati (Coordinator)
CHY511	Major project-Phase I	Dr. R. S. Swathi
I2C311/ CHY3101	Biochemistry and Bioconjugation (3 Credits) (i2C students)/ Biosystems (Elective for 1 st year MSc Students) (2 Credits)	Dr. Rajendra Kurapati
CHY3102	Mathematics for Chemistry (Elective for 1 st year MSc Students) (2 Credits)	Dr. Pushpita Ghosh
I2C411	Medicinal Chemistry (i2C students)	Dr. Rajender Goreti (Coordinator) Instructors: Dr. Dharmaraja Allimuthu (IITK), Dr. Rajender Goreti
I2C412	Enzymology and Biocatalysis (i2C students)	Dr. Rajendra Kurapati (Coordinator) Instructors: Dr. Omkumar (RGCB), Prof. Gurunath R. (IITK)
I2C413/CHY5117	Biophysical Chemistry (i2C students) Elective for fourth year	Dr. Jerry Fereiro (Coordinator) Instructors: Dr. Debanjan Bhowmik (RGCB), Dr. Jerry Fereiro, Dr. Adithya Lakhmanna