

**Course list- School of Chemistry- Varsha 2022**

<b>Course Code</b>	<b>Course Name</b>	<b>Faculty Name</b>
Bridge course	Bridge course	Dr. R. S. Swathi Prof. Mahesh Hariharan Dr. Vinesh Vijayan Dr. Sivaranjana Reddy
CHY 111	Atomic Structure and Chemical Bonding	Dr. R. S. Swathi Prof. Mahesh Hariharan
CHY 112	Chemistry Lab-I	Dr. Thirumurugan A. Dr. Gokulnath Sabapathi Dr. Ramaraj Ayyappan
CHY 211	Basic Concepts in Organic & Inorganic Chemistry II	Dr. Soumen De Dr. Sukhendu Mandal
CHY 212	Chemistry Lab-II	Dr. Basudev Sahoo Dr. Ramesh Rasappan Dr. Keshaba Parida
CHY 311/ MSC 311	Coordination Chemistry (Minor for SoB, SoM, SoP) (Only for 3 <sup>rd</sup> year)	Dr. Subrata Kundu
CHY 312/ MSC 312	Organic Chemistry-Reactions and Mechanisms (Minor for SoB) (Only for 3 <sup>rd</sup> year)	Dr. Alagiri Kaliyamoorthy Dr. Veera Reddy
CHY 313/ MSC 313	Quantum Chemistry	Dr. Vinesh Vijayan
CHY 314/ MSC 314	Physical Chemistry II (Minor for SoM, SoP) (Only for 3 <sup>rd</sup> year)	Dr. Jerry Fereiro
CHY 315/ MSC 315	Organic Chemistry Lab	Dr. Alagiri Kaliyamoorthy Dr. Veera Reddy
CHY 411/614 MSC 411	Main Group Chemistry (Minor) (Only for 4 <sup>th</sup> year)	Dr. Ajay Venugopal
CHY 412/4102/615	Advanced Organic Chemistry (Minor) (Only for 4 <sup>th</sup> year)	Dr. Ramesh Rasappan Dr. Basudev Sahoo
CHY 413/616 MSC 413	Chemical and Statistical Thermodynamics	Dr. Adithya Lakshmana
CHY 414/ MSC 414	Chemical Kinetics and Dynamics (Minor) (Only for 4 <sup>th</sup> year)	Dr. A. Muthukrishnan Prof. K. George Thomas
CHY 415/ MSC 415	Physical Chemistry Lab	Dr. A. Muthukrishnan Dr. Sivaranjana Reddy
CHY 612 (PhD students)	Principles of Organic Chemistry	Prof. J. N. Moorthy Prof. K. M. Sureshan
CHY5104/6101	Fundamentals of Solution State NMR Spectroscopy: Principles and Applications	Dr. Vinesh Vijayan
CHY5102/6103 (5 <sup>th</sup> yr)	Elective in Organic Chemistry Modern Organic Synthesis: Advances in Methods and Reagents	Dr. Rajendar Goreti

CHY 619	Research Methodology	One lecture by each faculty, Dr. Rajendra Kurapati will coordinate
CHY 511	Major project-Phase I	Dr. R. S. Swathi
I2C311 (i2C students)/  MSC 3101 (MSc/IPHD 1 <sup>st</sup> year Students)	Biochemistry and Bioconjugation (3 Credits)/  Biosystems (2 Credits)	Dr. Rajendra Kurapati
MSC 3102 (MSc/IPHD 1 <sup>st</sup> year Students)	Mathematics for Chemistry (2 Credits)	Dr. Pushpita Ghosh