

Tentative courses to be offered in Varsha 2020 - School of Chemistry

Sl. No.	Course Code/Title	Faculty
First Year Courses		
1	Bridge Course	Dr. Vinesh Vijayan, Dr. Subrata Kundu, Dr. Alagiri K and Dr. Rajendar Goreti
2	CHY 111 Atomic Structure and Chemical Bonding	Dr. Vinesh Vijayan, Dr. Subrata Kundu
Second Year Course		
3	CHY211 Basic Concepts in Organic Chemistry	Dr. Alagiri K, Dr. Rajendar Goreti
Third Year BS-MS, IPh.D Courses		
4	CHY 311 Coordination Chemistry	Dr. Sukhendu Mandal
5	CHY 312 Organic Chemistry-Reactions and Mechanisms	Prof. Kana M. Sureshan, Dr. Reji Varghese
6	CHY 313 Quantum Chemistry	Dr. Sivaranjana Reddy
7	CHY 314 Physical Chemistry II (Minor)	Dr. A. Muthukrishnan
Fourth/Fifth Year BS-MS, IPh.D/Ph.D. Courses		
8	CHY 411/614 Main Group Chemistry	Dr. Ajay Venugopal
9	CHY 412/615 Advanced Organic Chemistry	Dr. Ramesh Rasappan
10	CHY 413/616 Chemical and Statistical Thermodynamics	Dr. R. S. Swathi
11	CHY 414/617 Instrumental Methods (3 credit) (Minor)	Prof. Mahesh Hariharan, Dr. Suresh Das
12	CHY 5102/6103 Modern Organic Synthesis: Advances in Methods and Reagents (Elective 5 th yr. BS-MS and Ph.D.)	Dr. Veera Reddy, Dr. Basudev Sahoo
13	CHY 5104/6101 Fundamentals of Solution-State NMR Spectroscopy: Principles and Applications (Elective 5 th yr. BS-MS and Ph.D.) (NMR NKN course)	Dr. Bharathwaj Satyamoorthy (IISER Pune)
14	CHY 511 Major project-Phase I	Dr. Soumen De
15	CHY 611 Principles of Inorganic Chemistry (Ph.D. students)	Dr. Gokulnath Sabapathi
16	CHY 612 Principles of Organic Chemistry (Ph.D. students)	Prof. Y. D. Vankar, Dr. Soumen De
17	CHY 613 Principles of Physical Chemistry (Ph.D. students)	Dr. Thirumurugan, Dr. Vinesh Vijayan and Dr. Sivaranjana Reddy
18	CHY 619 Research Methodology	Contribution by all faculties (one lecture per faculty)