

**School of Chemistry**  
**Tentative course list-Vasanth 2023**

Sl.No.	Course	Course Name	Faculty Assigned
<b>First Year Course</b>			
1	CHY121	Basic Concepts in Organic & Inorganic Chemistry I	Dr. Reji Varghese Dr. Subrata Kundu
<b>Second Year Courses</b>			
2	CHY221	Physical Chemistry I	Dr. Vinesh Vijayan, Dr. Jerry Fereiro
3	CHY222	Chemistry Lab III	Dr. A. Muthukrishnan (Primary coordinator), Dr. Keshaba Nanda Parida, Dr. Basudev Sahoo, Dr. Alagiri Kaliyamoorthy, Dr. Rajendar Goreti
4	IDC221	Principles of Spectroscopy	Dr. R. S. Swathi Prof. K. George Thomas
<b>Third Year BS-MS and M.Sc./IPh. D. /Ph. D. Courses</b>			
5	CHY/MS321/621	Organometallic Chemistry	Dr. Ramaraj Ayyappan
6	CHY/MS322/622/ CHY 3202	Solid-State Chemistry (Minor for SoP and SoM) (Elective for 2 <sup>nd</sup> semester MSc students)	Dr. Sukhendu Mandal
7	CHY/MS323	Organic Chemistry-Synthetic methods (Minor for SoB and SoP)	Dr. Veera Reddy
8	CHY/MS324/624	Theoretical Spectroscopy (Minor for SoB and SoM)	Dr. Pushpita Ghosh
9	CHY/MS325	Inorganic Chemistry Laboratory	Dr. A. Thirumurugan (Coordinator) Dr. Gokulnath Sabapathi
5	CHY5211	Group Theory in Chemistry (2 credits)	Dr. Adithya Lakshmana
6	CHY5205	Name Reactions and Rearrangements-Application in Organic Synthesis (2 credits)	Dr. Alagiri Kaliyamoorthy
<b>Fourth/Fifth Year BS-MS, M.Sc./IPh. D./Ph. D. Courses</b>			
7	CHY/MS421	Instrumental methods for Structure Determination (MS421 for 2 <sup>nd</sup> semester MSc students)	Dr. Basudev Sahoo Dr. Gokulnath Sabapathi
8	CHY/MS422/ CHY626	Physical Organic Chemistry	Dr. Soumen De
9	CHY4202	Catalysis in Organic Synthesis	Dr. Ramesh Rasappan
10	CHY5203	Computational Chemistry	Dr. V. Sivaranjana Reddy
11	CHY/AOE5218	Biomaterials (OE) (Minor for 4 <sup>th</sup> year students only)	Dr. Rajendra Kurapati
12	CHY5208	Chemistry of Natural Products (2 Credits)	Dr. Rajendar Goreti
13	I2C421	Soft Matter and Polymers	Dr. Pushpita Ghosh Dr. Rajendra Kurapati Dr. Reji Varghese Prof. Kana M. Sureshan
14	CHY4206/6206	Main Group Catalysis (2 Credits)	Dr. Ajay Venugopal