

School of Chemistry
Course list-Vasanth 2024

Course Code	Course Name	Assigned Faculty
First Year Courses		
CHY121	Basic Physical Chemistry-I (4 credits)	Dr. R.S. Swathi
CHY122	Chemistry Lab II (1 credit)	Dr. Muthukrishnan (Primary) Dr. Rajendar Goreti Dr. Ramaraj Ayyappan Dr. Basudev Sahoo (Primary)
Second Year Courses		
CHY221	Physical Chemistry I	Dr. Vinesh Vijayan Dr. Jerry Fereiro
CHY222	Chemistry Lab III (1 credit)	Dr. Reji Varghese (Primary) Dr. Ravi Yadav Dr. Krishnadas
IDC221	Principles of Spectroscopy	Prof. K. George Thomas Dr. Adithya Lakshmana
Third Year BS-MS and M.Sc./IPh. D. /Ph. D. Courses		
CHY/MS321/621	Organometallic Chemistry	Dr. Ramaraj Ayyappan Dr. Ravi Yadav
CHY322/622/3202	Solid-State Chemistry (Minor) (Elective for i2C and MSc students only)	Prof. Sukhendu Mandal
CHY/MS323	Organic Chemistry-Synthetic Methods (Minor)	Dr. Veera Reddy
CHY/MS324/624	Theoretical Spectroscopy (Minor)	Dr. Pushpita Ghosh
CHY/MS325	Inorganic Chemistry Laboratory	Dr. A. Thirumurugan(Coordinator) Dr. Indranil Mondal Dr. Subrata Kundu
CHY5205	Name Reactions and Rearrangements- Application in Organic Synthesis (2 credits)	Dr. Alagiri Kaliyamoorthy
Fourth/Fifth Year BS-MS, M.Sc./IPh. D./Ph. D. Courses		
CHY421/617 MS321	Instrumental methods for Structure Determination (MS321 for 1 st year MSc students only)	Dr. Basudev Sahoo Dr. Subrata Kundu
CHY422/CHY626	Physical Organic Chemistry	Dr. Soumen De
CHY4202	Catalysis in Organic Synthesis	Dr. Ramesh Rasappan
CHY5203	Computational Chemistry	Dr. V. Sivaranjana Reddy
I2C422/CHY/AOE5218	Biomaterials	Dr. Rajendra Kurapati
CHY5208	Chemistry of Natural Products (2 credits)	Dr. Rajendar Goreti
I2C421	Soft Matter and Polymers	Coordinator: Prof. Kana M. Sureshan

CHY5219	Introduction to Fuel Cells (2 credits)	Dr. A. Muthukrishnan
CHY4206/6206	Main Group Catalysis (2 credits)	Dr. Ajay Venugopal
I2C521	Pharmacology and Pharmacokinetics	Coordinator: Dr. Alagiri Kaliyamoorthy
I2C522	Computational Chemical Biology	Coordinator: Dr. Pushpita Ghosh
I2C423	Chemical Biology Lab	Dr. Vinesh Vijayan Dr. Rajendra Kurapati Dr. Jerry Fereiro
CHY4207/6207	Bioinorganic Chemistry (2 credits)	Dr. Gokulnath Sabapathi
CHY4208/6208	Crystal Engineering (2 credits)	Prof. Jagadese J. Vittal