

	First year			Second year		
	Code	Course details		Code	Course details	
	Course code	Course Name Course structure Instructor name(s)		Course code	Course Name Course structure Instructor name(s)	Mention if Minor Mention if compulsory for other major students
	CHY121	Physical Chemistry-I [3104] Dr. A. Muthukrishnan Prof. Vinesh Vijayan		CHY221/CHY2201*	Chemistry of Biomolecules and Heterocycles [3003] Dr. Basudev Sahoo	*Offered as GE
	CHY122	Chemistry Lab-II (Physical) [0031] Prof. Vinesh Vijayan (Coordinator) Dr. A. Muthukrishnan Dr. Krishnadas K R Dr. Indranil Mondal		CHY311	Coordination Chemistry [3003] Dr. Gokulnath Sabapathi	
				CHY312	Organic Chemistry - Reactions and Mechanisms [3003] Dr. Rajendar Goreti	
				CHY313	Quantum Chemistry [3003] Prof. R. S. Swathi	
				CHY314/CHY3104*/MSC406**	Physical Chemistry-II [3003] / Advanced Physical Chemistry [3003] Dr. Jerry Fereiro	*Course offered as GE **Course content is same for both the course titles
				BIO314	Biochemistry [3003]	Offered by SoB

	First year			Second year		
	Code	Course details		Code	Course details	
	Course code	Course Name Course structure Instructor name(s)		Course code	Course Name Course structure Instructor name(s)	Mention if Minor Mention if compulsory for other major students
	CHY121	Physical Chemistry-I [3104] Dr. A. Muthukrishnan Prof. Vinesh Vijayan		CHY221/CHY2201*	Chemistry of Biomolecules and Heterocycles [3003] Dr. Basudev Sahoo	*Offered as GE
	CHY122	Chemistry Lab-II (Physical) [0031] Prof. Vinesh Vijayan (Coordinator) Dr. A. Muthukrishnan Dr. Krishnadas K R Dr. Indranil Mondal		CHY311	Coordination Chemistry [3003] Dr. Gokulnath Sabapathi	
				CHY312	Organic Chemistry - Reactions and Mechanisms [3003] Dr. Rajendar Goreti	
				CHY313	Quantum Chemistry [3003] Prof. R. S. Swathi	
				CHY314/CHY3104*/MSC406**	Physical Chemistry-II [3003] / Advanced Physical Chemistry [3003] Dr. Jerry Fereiro	*Course offered as GE **Course content is same for both the course titles
				BIO314	Biochemistry [3003]	Offered by SoB

	Third year			
	Code	Course details	Other information	
	Course code	Course Name Course structure Instructor name(s)	Mention if Minor Mention if compulsory for other major students	
	CHY411/MSC407	Main Group Chemistry [3003] Dr. Ramaraj Ayyappan		
	CHY412/MSC502	Advanced Organic Chemistry-I [3003] Dr. Ramesh Rasappan		
	CHY413/MSC503	Chemical and Statistical Thermodynamics [3003] Dr. Adithya Lakshmana		
	CHY414/MSC501/CHY421/CHY617	Instrumental Methods for Structure Determination [3003] Dr. Subrata Kundu Prof. Reji Varghese	CHY421 is for non-NEP 4th year BSMS. CHY617 is offered for PhD level	
	CHY415/MSC504	Advanced Chemistry Lab-II (Organic & Physical) [0093] Dr. Veera Reddy Yatham (Coordinator) Dr. Krishnadas K R		
	I2C322	Enzymology and Biocatalysts [3003] Prof. Shyamalava Mazumdar		
	BIO324	Molecular Biology [3003]	Offered by SoB	

Fourth year			
Code	Course details	Other information	
Course code	Course Name Course structure Instructor name(s)	Mention if Minor/Open- elective Mention if compulsory for other major students	
CHY522/CHY626/MSC422	Physical Organic Chemistry [3003] CHY626 is offered for PhD level; MSC422 is offered for Non-NEP batch	Dr. Sreejith J Varma	
I2C521	Pharmacology and Pharmacokinetics [3003]	Dr. Ayan Mukherjee	
I2C421	Soft Matter and Polymers [3003]	Prof. K M Sureshan	
I2C422	Biomaterials [3003]	Dr. Rajendra Kurapati	
I2C522	Computational Chemical Biology [3003]	Dr. Pushpita Ghosh	
I2C423	Chemical Biology Lab [0093]	Dr. Ayan Mukherjee (Coordinator) Prof. Shyamalava Mazumdar Dr. Sreejith J Varma Dr. Rajendra Kurapati	
CHY5205 (Elective)	Name Reactions and Rearrangements - Application in Organic Synthesis [3003] Dr. Alagiri Kaliyamoorthy	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]	
CHY 5221 (Elective)	Supramolecular Chemistry [3003] Dr. Soumen De	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]	
CHY 5222 (Elective)	Introduction to Crystallography [3003] Prof. Sukhendu Mandal	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]	
CHY 5223 (Elective)	Inorganic Rings, Chains and Polymers [3003] Prof. Ajay Venugopal	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]	
CHY 5224 (Elective)	Advanced Materials Chemistry [3003] Dr. Thirumurugan A	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]	
CHY5203 (Elective)	Computational Chemistry [3003] Dr. V. Sivaranjana Reddy	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]	
CHY 5225 (Elective)	Advanced Optical Spectroscopy [3003] Prof. K. George Thomas	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]	

Only fifth year				Only PhD		
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Course code	Course Name Course structure Instructor name(s)	Mention if Minor/Open-elective Mention if compulsory for other major students		Course code	Course Name Course structure Instructor name(s)	Mention if Minor/Open-elective Mention if compulsory for other major students
CHY5205 (Elective)	Name Reactions and Rearrangements - Application in Organic Synthesis [3003] Dr. Alagiri Kaliyamoorthy	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]		CHY5205 (Elective)	Name Reactions and Rearrangements - Application in Organic Synthesis [3003] Dr. Alagiri Kaliyamoorthy	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]
CHY 5221 (Elective)	Supramolecular Chemistry [3003] Dr. Soumen De	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]		CHY 5221 (Elective)	Supramolecular Chemistry [3003] Dr. Soumen De	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]
CHY 5222 (Elective)	Introduction to Crystallography [3003] Prof. Sukhendu Mandal	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]		CHY 5222 (Elective)	Introduction to Crystallography [3003] Prof. Sukhendu Mandal	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]
CHY 5223 (Elective)	Inorganic Rings, Chains and Polymers [3003] Prof. Ajay Venugopal	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]		CHY 5223 (Elective)	Inorganic Rings, Chains and Polymers [3003] Prof. Ajay Venugopal	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]
CHY 5224 (Elective)	Advanced Materials Chemistry [3003] Dr. Thirumurugan A	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]		CHY 5224 (Elective)	Advanced Materials Chemistry [3003] Dr. Thirumurugan A	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]
CHY5203 (Elective)	Computational Chemistry [3003] Dr. V. Sivaranjana Reddy	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]		CHY5203 (Elective)	Computational Chemistry [3003] Dr. V. Sivaranjana Reddy	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]
CHY 5225 (Elective)	Advanced Optical Spectroscopy [3003] Prof. K. George Thomas	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]		CHY 5225 (Elective)	Advanced Optical Spectroscopy [3003] Prof. K. George Thomas	[Elective for 4th and 5th year BSMS, 2nd year MSc, 2nd year IPhD, and PhD students]