

Name of the Academic Department / Center:	Chemistry
Academic Year:	2021 - 2022
Session:	Winter/Even Semester (January - May 2022)

Sl. No.	Course No.	Course Title	L	T	P	C	Type of Course (Compulsory/ Dept. Elective/ Open)	Offered to Programme	Semester (1 to 8)	Name(s) of Course Instructor(s)	IITG Email ID of course instructors	Class Slot	Exam Slot	Room No.
B. Tech. (Preparatory) [2021 Batch]														
1	CH 002	Preparatory Chemistry II	3	2	0	10	Preparatory	Pre B. Tech.	2	Mohd. Qureshi, Pavan K	mq@iitg.ac.in, pavankancharla@iitg.ac.in			
B. Tech. (CST) [Second Year] [2020 Batch]														
2	CH 222	Applied Organic Chemistry	3	0	0	6	Compulsory	B. Tech.B. Tech.	4	Krishna Pada Bhabak	khabhak@iitg.ac.in	A	A	5205
3	CH 224	Group Theory	3	0	0	6	Compulsory	B. Tech.B. Tech.	4	G Krishnamoorthy	gkrishna@iitg.ac.in	B	B	5205
4	CH 211	Industrial Chemistry	3	0	0	6	Compulsory	B. Tech.B. Tech.	4	Shyam Prasad Biswas	sbiswas@iitg.ac.in	C	C	5205
5	CH 233	Spectroscopic Techniques in Chemistry	3	0	0	6	Compulsory	B. Tech.B. Tech.	4	Manabendra Ray, Sumana Dutta	manabray@iitg.ac.in, sumana@iitg.ac.in	D	D	5205
6	CH 223	Chemical Technology Lab - I (Organic)	0	0	6	6	Compulsory, Lab	B. Tech.B. Tech.	4	Lal Mohan Kundu	lmkundu@iitg.ac.in	AL1, AL2		
7	HS 1XX	HSS Elective - I (Level - I)	3	0	0	6	HSS Elective	B. Tech.B. Tech.	4	HSS Department		G1	G1	
B. Tech. (CST) [Third Year] [2019 Batch]														
8	CH 332	Computational Chemistry	3	0	0	6	Compulsory	B. Tech.B. Tech.	6	Ashish Kumar Gupta	gupta@iitg.ac.in	B1	B1	5205
9	CH 335	Application of Nanomaterials	3	0	0	6	Compulsory	B. Tech.B. Tech.	6	Uttam Manna	umanna@iitg.ac.in	C1	C1	5205
10	CH 323	Polymer Chemistry	3	0	0	6	Compulsory	B. Tech.B. Tech.	6	A.S. Achalkumar	achalkumar@iitg.ac.in	D1	D1	5205
11	CH 334	Chemical Technology Lab - III (Physical)	0	0	6	6	Compulsory, Lab	B. Tech.B. Tech.	6	Debasis Manna	dmanna@iitg.ac.in	ML2, ML3		
12	CH 419	Consumer Chemistry	0	0	6	6	Open Elective	B. Tech.B. Tech.	6	Bhisma Kumar Patel	patel@iitg.ac.in, pki@iitg.ac.in	F1	F1	L2
B. Tech. (CST) [Fourth Year] [2018 Batch]														
13	CH 418	Biological Chemistry of Metal Ions	3	0	0	6	Dept. Elective - III	B. Tech.B. Tech.	8	V Manivannan	mani@iitg.ac.in	A	A	5102
14	CH 428	Drug Design and Development	3	0	0	6	Dept. Elective - IV	B. Tech.B. Tech.	8	Bhubaneswar Mandal	bmandal@iitg.ac.in	B	B	5102
15	CH 438	Application to Statistical Mechanics to Chemis	3	0	0	6	Dept. Elective - IV	B. Tech.B. Tech.	8	Sumana Dutta, Sandip Paul	sumana@iitg.ac.in, sandipp@iitg.ac.in	C	C	5102
16	CH 437	Chemical Approaches to Nanoscale Science ar	3	0	0	6	Dept. Elective - V	B. Tech.B. Tech.	8	Kalyan Raidongia	k.raidongia@iitg.ac.in	D	D	5102
17	CH 499	Project - II	0	0	12	12	Compulsory	B. Tech.B. Tech.	8					
18	CH 644	Applied Quantum Chemistry	2	0	2	6	Open Elective	B. Tech. + MSc + Phd	8	Manabendra Sarma	msarma@iitg.ac.in	G	G	5102
19	HS 2XX	HSS Elective - II (Level - II)	3	0	0	6	HSS Elective	B. Tech.B. Tech.	8			F	F	
M. Sc. (Chemistry) [First Year] [2019 Batch] 021Batch]														
21	CH 400	Computers and Chemistry	2	0	2	6	Compulsory	M. Sc.	2	Aditya Narayan Panda	anp@iitg.ac.in	F	F	3003
22	CH 411	Inorganic Reaction Mechanism and Organometallics	3	1	0	8	Compulsory	M. Sc.	2	Biplab Mondal	biplab@iitg.ac.in	B	B	3003
23	CH 421	Organic Reactions Mechanisms	3	1	0	8	Compulsory	M. Sc.	2	Subhas Chandra Pan, Dipankar Srimani	span@iitg.ac.in, dsrimani@iitg.ac.in	C	C	3003
24	CH 425	Organic Chemistry Laboratory	0	0	9	9	Compulsory, Lab	M. Sc.	2	Abu Taleb Khan, Chandan K.	atk@iitg.ac.in, ckjana@iitg.ac.in	AL2, AL3, AL4		
25	CH 432	Chemical Dynamics and Electrochemistry	3	1	0	8	Compulsory	M. Sc.	2	Anumita Paul	anumita@iitg.ac.in	D	D	3003
26	CH 433	Applications of Spectroscopy	3	1	0	8	Compulsory	M. Sc.	2	Chandan Mukherjee, Sunanda Chatterjee	cmukherjee@iitg.ac.in, sunanda.c@iitg.ac.in	A	A	3003
M. Sc. (Chemistry) [Second Year] [2019 Batol[2020 Batch]														
27	CH 500	Graduate Seminar	0	0	2	2	Compulsory	M. Sc.	4	Gopal Das	gdas@iitg.ac.in	AL4		3003
28	CH 600	Project	0	0	18	18	Compulsory	M. Sc.	4					
29	CH 613	Applied Inorganic Chemistry	3	0	0	6	Dept. Elective - I	M. Sc. + PhD	4	Kingsuk Mahata	kingsuk@iitg.ac.in	A	A	5105
30	CH 623	Supramolecular Chemistry	3	0	0	6	Dept. Elective - I	M. Sc.	4	Debapratim Das	ddas@iitg.ac.in	B	B	5105
31	CH 621	Modern Reagents in Organic Synthesis	3	0	0	6	Dept. Elective - I	M. Sc.	4	Tharmalingam Punnivamurthy	tpunni@iitg.ac.in	F	F	5105
32	CH 639	Principles and Applications of Molecular Fluorescence	3	0	0	6	Dept. Elective - II	M. Sc. + PhD	4	Mohd. Qureshi, Arun Chattopadhyay	mq@iitg.ac.in, arun@iitg.ac.in	D	D	5105
Ph. D. (Chemistry) [First Year]														
33	CH 603	Concepts of Molecular Machine	3	0	0	6	Dept. Elective	Ph. D. + MSc + B Tec	1 or 2	Jubaraj Bikash Baruah	juba@iitg.ac.in	C	C	5105
34	CH 618	Bio-inorganic Chemistry	3	0	0	6	Dept. Elective	Ph. D.	1 or 2	Chivukula V Sastri	sastri@iitg.ac.in	A1	A1	5105
35	CH 627	New Reagents for Organic Synthesis	3	0	0	6	Dept. Elective	Ph. D.	1 or 2	Anil Kumar Saikia	Anil Kumar Saikia	D1	D1	5105
36	CH 636	A Fundamental Approach to Physical Chemistry	3	0	0	6	Dept. Elective	Ph. D.	1 or 2	Kalyanasis Sahu	ksahu@iitg.ac.in	F1	F1	5105
37	CH 629	Advances in Bio-organic Chemistry	3	0	0	6	Dept. Elective	Ph. D.	1 or 2	Subhendu Sekhar Bag	ssbag75@iitg.ac.in	C1	C1	5105
38	CH 617	Organometallics	3	0	0	6	Dept. Elective	Ph. D.	1 or 2	Animesh Das	adas@iitg.ac.in	B1	B1	5105