

<b>Name of the Academic Department / Center:</b>	Chemistry
<b>Academic Year:</b>	2020 - 2021
<b>Session:</b>	Winter/Even Semester (January - May 2021)

Sl. No.	Course No.	Course Title	L	T	P	C	Type of Course (Compulsory / Dept. Elective / Open Elective)	Offered to Programme	Semester (1 to 8)	Class Slot
<b>B. Tech. [1st Year] [2020 Batch]</b>										
1	CH 101	Chemistry	3	1	0	8	Compulsory	B Tech	1	D/D1
2	CH 101	Chemistry Tutorial	0	1	0	2	Compulsory	B Tech	1	
3	CH 110	Chemistry Laboratory	0	0	3	3	Compulsory, Lab	B. Tech.	1	
<b>B. Tech. (CST) [Second Year] [2019 Batch]</b>										
4	CH 222	Applied Organic Chemistry	3	0	0	6	Compulsory	B. Tech.B. Tech.B. Tech.	4	<b>B1</b>
5	CH 224	Group Theory	3	0	0	6	Compulsory	B. Tech.B. Tech.B. Tech.	4	<b>B</b>
6	CH 211	Industrial Chemistry	3	0	0	6	Compulsory	B. Tech.B. Tech.B. Tech.	4	<b>D</b>
7	CH 233	Spectroscopic Techniques in Chemistry	3	0	0	6	Compulsory	B. Tech.B. Tech.B. Tech.	4	<b>C</b>
8	CH 223	Chemical Technology Lab - I (Organic)	0	0	6	6	Compulsory, Lab	B. Tech.B. Tech.B. Tech.	4	AL2, AL3
9	HS 1XX	HSS Elective - I (Level - I)	3	0	0	6	HSS Elective	B. Tech.B. Tech.B. Tech.	4	<b>G</b>
<b>B. Tech. (CST) [Third Year] [2018 Batch]</b>										
10	CH 332	Computational Chemistry	3	0	0	6	Compulsory	B. Tech.B. Tech.B. Tech.	6	D1
11	CH 314	Chemical Technology Lab-II (Inorganic)	0	0	6	6	Compulsory, Lab	B. Tech.B. Tech.B. Tech.	5	ML1, ML2
12	CH 323	Polymer Chemistry	3	0	0	6	Compulsory	B. Tech.B. Tech.B. Tech.	6	C1
13	CH 334	Chemical Technology Lab - III (Physical)	0	0	6	6	Compulsory, Lab	B. Tech.B. Tech.B. Tech.	6	ML3, ML4
14	CH 419	Consumer Chemistry	3	0	0	6	Open Elective III	B. Tech.B. Tech.B. Tech.	6	<b>F</b>
<b>B. Tech. (CST) [Fourth Year] [2017 Batch]</b>										
15	CH 316	Frontiers of Co-ordination Chemistry	3	0	0	6	Dept. Elective - III	B. Tech.B. Tech.B. Tech.	8	A
16	CH 418	Biological Chemistry of Metal Ions	3	0	0	6	Dept. Elective - III	B. Tech.B. Tech.B. Tech.	8	C
17	CH 428	Drug Design and Development	3	0	0	6	Dept. Elective - IV	B. Tech.B. Tech.B. Tech.	8	D
18	HS 4XX	HSS Elective - IV	3	0	0	6	HSS Elective	B. Tech.B. Tech.B. Tech.	8	<b>G</b>
19	CH644	Applied Quantum Chemistry	2	0	2	6	Open Elective - IV	B. Tech. + MSc + PhD	8	<b>F</b>
20	CH 499	Project - II	0	0	6	6	Compulsory	B. Tech.B. Tech.B. Tech.	8	
<b>M. Sc. (Chemistry) [First Year] [2020 Batch]</b>										
21	CH 400	Computers and Chemistry	2	0	2	6	Compulsory	M. Sc.	2	E
22	CH 411	Inorganic Reaction Mechanism and Organometallics	3	1	0	8	Compulsory	M. Sc.	2	D
23	CH 421	Organic Reactions Mechanisms	3	1	0	8	Compulsory	M. Sc.	2	B

24	CH 425	Organic Chemistry Laboratory	0	0	9	9	Compulsory, Lab	M. Sc.	2	AL1, AL2, AL3
25	CH 432	Chemical Dynamics and Electrochemistry	3	1	0	8	Compulsory	M. Sc.	2	C
26	CH 435	Physical Chemistry Laboratory	0	0	9	9	Compulsory, Lab	M. Sc.	1	AL4, AL5
<b>M. Sc. (Chemistry) [Second Year] [2019 Batch]</b>										
27	CH 515	Inorganic Chemistry Laboratory	0	0	9	9	Compulsory, Lab	M. Sc.	3	AL2, AL3, AL4
28	CH 600	Project	0	0	18	18	Compulsory	M. Sc.	4	
29	CH 611	Advanced Organometallic Chemistry	3	0	0	6	Dept. Elective - II	M. Sc.	4	D
30	CH 631	Advanced Quantum Chemistry	3	0	0	6	Dept. Elective - II	M. Sc. + Ph.D	4	A
31	CH 622	Methods in Organic Synthesis	3	0	0	6	Dept Elective- II	M. Sc	4	B
32	CH 639	Principles and Applications of Molecular Fluorescence	3	0	0	6	Dept. Elective - II	M. Sc. + Ph.D	4	C
<b>Ph. D. (Chemistry) [First Year]</b>										
33	CH 603	Concepts of Molecular Machine	3	0	0	6	Dept. Elective	Ph. D. + MSc	1 or 2	B1 (Thursday E slot if MSc students take)
34	CH 618	Bio-inorganic Chemistry	3	0	0	6	Dept. Elective	Ph. D.	1 or 2	C1
35	CH 627	New Reagents for Organic Synthesis	3	0	0	6	Dept. Elective	Ph. D.	1 or 2	B
36	CH 614	Supramolecules: Concepts and Applications	3	0	0	6	Dept. Elective	Ph. D.	1 or 2	A1
37	CH 629	Advances in Bioorganic Chemistry	3	0	0	6	Dept. Elective	Ph. D.	1 or 2	D1