

Course book (july-December Odd 2021)			
Department of Chemistry			
S1 Int MSc Chem-2021			
Code	Title	L-T-P	Cr
18 ENG101	Communicative English	202	3
18 MAL101/ 18 SAN101	Malayalam/Sanskrit	102	2
18 CHY 101	General Chemistry I	310	4
18CSA100	Problem solving and Computer Programming	300	3
18 MAT105	Introduction to Calculus and Matrix Theory	310	4
18CHY103	Mechanics	310	4
18 CSA 180	Problem solving and Computer Programming Lab	0 0 2	1
18 PHY181	Physics Lab.I	0 0 2	1
18CUL101	Cultural Education I	200	2
		TOTAL=24	
S3 Int MSc-2020			
Code	Title	L-T-P	Cr
18CHY202	Physical Chemistry I	310	4
18CHY203	Inorganic Chemistry I	310	4
18 ENV300	Environmental Science and Sustainability	300	3
18 MAT207	Introduction to Probability and Statistics	310	4
18 PHY208	Basic Electronics	310	4
18CHY281	Inorganic Qualitative Lab	0 0 3	1
18SSK 201	Life Skills I	102	2
18AVP201	Amrita Values Programme I	100	1
		TOTAL=23	
S5 Int MSc Che - 2019			
Code	Title	L-T-P	Cr
18CHY301	Physical Chemistry III	310	4
18CHY302	Inorganic Chemistry II	310	4

18CHY303	Organic Chemistry II	310	4
18CHY334	Industrial Catalysis (Elective A)- Cap 15	300	3
18CHY333	Green Chemistry (Elective A)- Cap 15	300	3
18CHY335	Introduction to Food Chemistry-Cap 15	300	3
18CHY383	Basic Physical Chemistry Lab	0 0 5	1
18CHY384	Organic Synthesis and Estimation Lab	0 0 2	1
18SSK301	Life Skills III	102	2
	Open Elective	300	3
18OEL239	Essence of Spiritual Literature		40
18OEL238	Emotional Intelligence		40
18OEL273	The Message of Bhagavad Gita		40
18OEL274	Understanding Travel and Tourism		50
18OEL231	Advertising -		50

18OEL280 Ritual Performances of Kerala- 30

S7 Int MSc Che- 2018			
Code	Title	L-T-P	Cr
18CHY501	Quantum Chemistry	300	3
18CHY502	Concepts in Inorganic Chemistry	310	4
18CHY503	Principles in Organic Chemistry	300	3
18CHY504	Coordination Chemistry	300	3
18CHY505	Group Theory and its Applications	300	3
18CHY 581	Inorganic Semi -micro Qualitative Analysis Lab	0 0 5	2
18CHY 582	Organic Quantitative Analysis Lab	0 0 5	2
		TOTAL	20
S1 MSc che- 2021			
Code	Title	L-T-P	Cr
18CHY501	Quantum Chemistry	300	3
18CHY502	Concepts in Inorganic Chemistry	310	4
18CHY503	Principles in Organic Chemistry	300	3
18CHY504	Coordination Chemistry	300	3

18CHY505	Group Theory and its Applications	300	3
18CHY 581	Inorganic Semi -micro Qualitative Analysis Lab	0 0 5	2
18CHY 582	Organic Quantitative Analysis Lab	0 0 5	2
18 CUL501	Cultural Education	200	P/F
		TOTAL-	20
S9 Int MSc Che - 2017			
Code	Title	L-T-P	Cr
18CHY601	Electrochemistry, Kinetics and Surface Chemistry	310	4
18CHY602	Synthetic Strategies and Reagents	310	4
18CHY603	Solid state Chemistry and Materials Science	300	3
18CHY604	Bioinorganic Chemistry	300	3
18CHY631	Applied Electrochemistry (Elective)-20	300	3
18CHY633	Chemistry of Biomolecules (Elective)- 20	300	3
18CHY637	Medicinal Chemistry (Elective)- 20	300	3
18CHY681	Organic Qualitative Analysis Lab	0 0 5	2
18CHY682	Instrumental and Analytical Methods Lab	0 0 5	2
		TOTAL-21	
S3 MSc Che - 2020			
Code	Title	L-T-P	Cr
18CHY601	Electrochemistry,Kinetics and Surface Chemistry	310	4
18CHY602	Synthetic Strategies and Reagents	310	4
18CHY603	Solid state Chemistry and Materials Science	300	3
18CHY604	Bioinorganic Chemistry	300	3
18CHY631	Applied Electrochemistry (Elective)-20	300	3
18CHY633	Chemistry of Biomolecules (Elective)-20	300	3
18CHY637	Medicinal Chemistry(Elective)- 20	300	3
18CHY681	Organic Qualitative Analysis Lab	0 0 5	2
18CHY682	Instrumental and Analytical Methods Lab	0 0 5	2
	Open Elective	200	
18OEL657	Yoga for Personal Development		2

ES
A
B
C
D
G
E
L1
L2
F
ES
A
B
D
C
E
L1
G
F
ES
A
B

C
E
E
E
L1
L2
G
J
J
J
J
J
ES
A
B
C
D
E
L1
L2
ES
A
B
C
D

E
L1
L2
ES
A
B
C
D
E
E
E
L1
L2
ES
A
B
C
D
E
E
E
L1
L2
P1