

**Course book ( july-December Odd 2020)**

**Department of Chemistry**

**S1 Int MSc Chem 2020**

<b>Code</b>	<b>Title</b>	<b>Cr</b>	<b>ES</b>
18 ENG101	Communicative English	3	
18 MAL101/ 18 SAN101	MAL/SAN	2	
18 CHY 101	General Chemistry I	4	
18CSA100	Problem solving and Computer Programming	3	
18 MAT105	Introduction to Calculus and Matrix Theory	4	
18CHY103	Mechanics	4	
18 CSA 180	Problem solving and Computer Programming Lab	1	
18 PHY181	Physics Lab.I	1	
18CUL101	Cultural Education I	2	

**TOTAL=24**

<b>S3 Int MSc 2019</b>			
<b>Code</b>	<b>Title</b>	<b>Cr</b>	<b>ES</b>
18CHY202	Physical Chemistry I	4	A
18CHY203	Inorganic Chemistry I	4	B
18 ENV300	Environmental Science and Sustainability	3	H
18 MAT207	Introduction to Probability and Statistics	4	C
18 PHY305/208 cb	Basic Electronics	4	D
18CHY281	Inorganic Qualitative Lab	1	L1
18SSK 201	Life Skills I	2	G
18AVP201	Amrita Values Programme I	1	F

**TOTAL=23**

<b>S5 Int MSc che 2018</b>			
<b>Code</b>	<b>Title</b>	<b>Cr</b>	<b>ES</b>
18CHY301	Physical Chemistry III	4	A
18CHY302	Inorganic Chemistry II	4	B
18CHY303	Organic Chemistry II	4	C
18CHY334	Industrial Catalysis (Elective A)- Cap 25	3	E
18CHY333	Green Chemistry (Elective A)- Cap 25	3	E
18CHY383	Basic Physical Chemistry Lab	1	L1
18CHY384	Organic Synthesis and Estimation Lab	1	L2
18SSK301	Life Skills III	2	G
	<b>Open Elective B</b>	3	J
18OEL238	Emotional Intelligence	3	
18OEL245	Green Marketing	3	
18OEL250	Introduction to Ancient Indian Yogic and Vedic Wisdom	3	
18OEL265	Non-Profit Organisation	3	
18OEL273	The Message of Bhagavad Gita	3	
18OEL274	Understanding Travel and Tourism	3	
18OEL299	Hand Gesture Language of Kerala		
<b>S7 Int MSc che 2017</b>			
<b>Code</b>	<b>Title</b>	<b>Cr</b>	<b>ES</b>
18CHY501	Quantum Chemistry	3	A
18CHY502	Concepts in Inorganic Chemistry	4	B
18CHY503	Principles in Organic Chemistry	3	C
18CHY504	Coordination Chemistry	3	D
18CHY505	Group Theory and its Applications	3	E
18CHY 581	Inorganic Semi -micro Qualitative Analysis Lab	2	L1
18CHY 582	Organic Quantitative Analysis Lab	2	L2

**TOTAL=20**

**S1 MSc che 2020**

<b>Code</b>	<b>Title</b>	<b>Cr</b>	<b>ES</b>
18CHY501	Quantum Chemistry	3	
18CHY502	Concepts in Inorganic Chemistry	4	
18CHY503	Principles in Organic Chemistry	3	
18CHY504	Coordination Chemistry	3	
18CHY505	Group Theory and its Applications	3	
18CHY 581	Inorganic Semi -micro Qualitative Analysis Lab	2	
18CHY 582	Organic Quantitative Analysis Lab	2	
18 CUL501	Cultural Education	P/F	

**TOTAL- 20**

**S9 Int CHE 2016**

<b>Code</b>	<b>Title</b>	<b>Cr</b>	<b>ES</b>
18CHY601	Electrochemistry, Kinetics and Surface Chemistry	4	A
18CHY602	Synthetic Strategies and Reagents	4	B
18CHY603	Solid state Chemistry and Materials Science	3	C
18CHY604	Bioinorganic Chemistry	3	D
18CHY631	Applied Electrochemistry (Elective )	3	E
18CHY637	Medicinal Chemistry (Elective )	3	E

18CHY639	Nanomaterials for Biomedical Applications (Ele)	3	E
18CHY681	Organic Qualitative Analysis Lab	2	L1
18CHY682	Instrumental and Analytical Methods Lab	2	L2

**TOTAL-21**

**S3 MSc CHE 2019**

<b>Code</b>	<b>Title</b>	<b>Cr</b>	<b>ES</b>
18CHY601	Electrochemistry, Kinetics and Surface Chemistry	4	
18CHY602	Synthetic Strategies and Reagents	4	
18CHY603	Solid state Chemistry and Materials Science	3	
18CHY604	Bioinorganic Chemistry	3	
18CHY631	Applied Electrochemistry (Elective )	3	E
18CHY637	Medicinal Chemistry(Elective )	3	E
18CHY639	Nanomaterials for Biomedical Applications	3	E
18CHY681	Organic Qualitative Analysis Lab	2	
18CHY682	Instrumental and Analytical Methods Lab	2	
	<b>Open Elective</b>	2	
18OEL657	Free/Open Elective / Live-in-Lab- 18OEL657 - Yoga and Personal Dev	2	J
18OEL646	MEDIA FOR SOCIAL CHANGE	2	

**TOTAL-23**