



Department of Chemistry  
Study and Evaluation Scheme

Program: Master of Science (Chemistry)

Year: Second / Semester: Third

S. No.	Course code	Course Title	Type of Paper	Period/ hr./week			Evaluation Scheme				Subject Total	Total Credits	Attributes						United Nations Sustainable Development Goals (SDGs)	
				L	T	P	CA	TA	Total	ESE			Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics
<b>THEORIES</b>																				
1.	CH501	Polymer Chemistry	Core	03	01	00	40	20	60	40	100	4	✓	✓	✓	✓	✓	Industry Innovation and Infrastructure		
2.	CH513	Organic reaction, Reagents and Heterocyclic Chemistry	Core	03	01	00	40	20	60	40	100	4	✓		✓	✓				
3.	CH514	Chemical Kinetics and Chemical Equilibrium	Core	03	01	00	40	20	60	40	100	4	✓		✓	✓		Zero Hunger		
4.	CH515	Inorganic Reaction Mechanism and Catalysis	Core	03	01	00	40	20	60	40	100	4	✓	✓	✓	✓		-	-	
5.	CH516	Quantum Chemistry; A Molecular Approach	Elective	03	01	00	40	20	60	40	100	4	✓		✓	✓		Clean and Affordable Energy		
6.	CH506	Bioinorganic & Supra molecular Chemistry	Elective										✓	✓	✓					
<b>PRACTICALS</b>																				
6.	CH517	Chemistry LabPracticals-3	Core	00	00	08	40	20	60	40	100	4	✓	✓	✓	✓		Good Health and Well-being		
<b>Total</b>				<b>15</b>	<b>05</b>	<b>08</b>	<b>240</b>	<b>120</b>	<b>360</b>	<b>240</b>	<b>600</b>	<b>24</b>								



L = Lecture, T = Tutorial, P = Practical, CA = Continuous Assessment, TA = Teacher's Assessment, ESE = End Semester Examination; Sessional = CT+TA; Subject Total =



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				L	T	P	CA	TA	Total	ESE			Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics		
<b>THEORIES</b>																						
1.	CH518	Molecular Spectroscopy and Spectral Techniques	Core	03	01	00	40	20	60	40	100	4	✓					✓	✓	-	-	
2.	CH509	Green Chemistry	Elective	03	01	00	40	20	60	40	100	4	✓	✓	✓		✓		Climate Action			
3.	CH519	Computational Methods in Chemistry	Elective										✓	✓	✓		✓	✓	✓	Good Health and Well-being		
4.	CH520	Seminar	Core	00	00	04	00	00	00	100	100	2			✓				✓	-	-	
5.	*CH521	Project Training and Evaluation	Core	00	00	00	00	00	00	300	300	10	✓	✓	✓		✓	✓	✓	-	-	
<b>Total</b>				<b>06</b>	<b>02</b>	<b>04</b>	<b>80</b>	<b>40</b>	<b>120</b>	<b>480</b>	<b>600</b>	<b>20</b>										

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\* The Evaluation scheme for the Industrial Training:

Course Title	Course Code	Dissertation	Presentation	Viva/Discussion	Total
Project Training and Evaluation	CH521	200	50	50	300