



Department of Chemistry
Study and Evaluation Scheme

Program: Master of Science (Chemistry)

Year: First / Semester: First

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		
THEORIES																						
1.	CH401	Physical Chemistry	Foundation Course	03	01	00	40	20	60	40	100	4	✓		✓		✓			Clean and Affordable Energy		
2.	CH402	Inorganic Chemistry	Foundation Course	03	01	00	40	20	60	40	100	4	✓		✓					-	-	
3.	CH403	Organic Chemistry	Foundation Course	03	01	00	40	20	60	40	100	4	✓	✓	✓		✓			-	-	
4.	CH404	Environmental Chemistry	Core	03	01	00	40	20	60	40	100	4	✓	✓	✓		✓	✓		Climate Action		
5.	CH405	Modern Analytical Techniques	Core	03	01	00	40	20	60	40	100	4	✓	✓	✓					No Poverty		
PRACTICALS																						
6.	CH419	Chemistry LabPracticals-1	Core	00	00	08	40	20	60	40	100	4	✓	✓	✓		✓			Clean Water and Sanitation		
Total				15	05	08	240	120	360	240	600	24										

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



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				L	T	P	CA	TA	Total	ESE			Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics		
THEORIES																					
1.	CH408	Modern Instrumental Methods of Analysis & Computational Techniques	Core	03	01	00	40	20	60	40	100	4	✓	✓	✓		✓		✓	Industry Innovation and Infrastructure	
2.	CH409	Chemistry of Natural Products	Core	03	01	00	40	20	60	40	100	4	✓	✓	✓		✓			Good Health and Well-being	
3.	CH411	Pharmaceutical Chemistry	Core	03	01	00	40	20	60	40	100	4	✓	✓	✓		✓			Good Health and Well-being	
4.	CH420	Surface Chemistry and Electrochemistry	Core	03	01	00	40	20	60	40	100	4	✓	✓	✓		✓			-	-
5.	CH421	Coordination and Organometallic Chemistry of Transition Elements	Core	03	01	00	40	20	60	40	100	4	✓	✓	✓		✓			-	-
PRACTICALS																					
6.	CH422	Chemistry Lab Practicals-2	Core	00	00	08	40	20	60	40	100	4	✓	✓	✓		✓			Good Health and Well-being	
Total				15	05	08	240	120	360	240	600	24									

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