

Admission Year	2023	Program	Master
Plan Type	Comprehensive exam	Semester	First
Hours		Item Type	Department Elective
Group NO		Max Registration hrs	9
Faculty	9		
Department	1		
Special Department	Science		
Gender	Chemistry		
	Chemistry		
	BOTH		

Course code	Course Name	hrs	Prerequisite Course	Equivalent Course	Teaching Method
CHEM 613	CHEMISTRY OF HETEROCYCLIC COMPOUNDS	3		(ك ٦١٣)	Normal
CHEM 618	CHEMISTRY OF NATURAL PRODUCTS	3		(ك ٦١٨)	Online
CHEM 624	TRANSITION ELEMENTS AND CATALYSIS	3		(ك ٦٢٤)	
CHEM 636	METHODS OF CHEMICAL ANALYSIS	3		()	
CHEM 652	ENVIRONMENTAL CHEMISTRY	3		(ك ٦٥٢)	Blended
CHEM 691	SELECTED TOPICS IN ORGANIC CHEMISTRY	3		(ك ٦٩٢)	
CHEM 692	SELECTED TOPICS IN INORGANIC CHEMISTRY	3		(ك ٦٩٣)	
CHEM 693	SELECTED TOPICS IN ANALYTICAL CHEMISTRY	3		(ك ٦٩٤)	
CHEM 694	SELECTED TOPICS IN PHYSICAL CHEMISTRY	3		(ك ٦٩٥)	Blended

Admission Year	2023	Program	Master
Plan Type	Comprehensive exam	Semester	First
Hours		Item Type	Department Mandatory
Group NO	24	Max Registration hrs	24
Faculty	1		
Department			
Special Department	Science		
Gender	Chemistry		
	Chemistry		
	BOTH		

Course code	Course Name	hrs	Prerequisite Course	Equivalent Course	Teaching Method
CHEM 611	Advanced Organic Chemistry (Structure & Mechanisms)	3		(ك ٦١١)	Normal
CHEM 612	Advanced Organic Chemistry (Reactions & Synthesis)	3		(ك ٦١٢)	Normal
CHEM 621	CHEMICAL APPLICATIONS OF GROUP THEORY	3		(ك ٦٢١)	Blended
CHEM 622	ADVANCED TRANSITION METAL CHEMISTRY	3		(ك ٦٢٢)	Normal
CHEM 631	TECHNIQUES OF SEPARATION	3		(ك ٦٣١)	Normal
CHEM 633	ATOMIC SPECTROMETRIC METHODS OF ANALYSIS	3		(ك ٦٣٣)	Blended
CHEM 641	MOLECULAR STRUCTURE AND SPECTROSCOPY	3		(ك ٦٤١)	Normal
CHEM 642	CHEMICAL KINETICS	3		(ك ٦٤٢)	Blended
CHEM 698	/Comprehensive exam	0		()	Normal