

Al Majmaah University
Deanship of Quality and skills improvements

I,R, E Matrix

Model Code: MUP012

Faculty: Az Zulfi College of Education

Department: Chemistry

Program: Chemistry

Course	A _{NCAAA}				B _{NCAAA}						C _{NCAAA}					D _{NCAAA}			E _{NCAAA}		
	A1	A2	A3	A4	B1	B2	B3	B4	B5	B6	C1	C2	C3	C4	C5	D1	D2	D3			
	CHEM111	I	I	I		I	I									I	I	I	I		
EDU 116			I			I		I				I	I	I		I	I				
EDU 117			I			I		I													
EDU 118			I			I		I				I	I	I		I	I				
MATH 111	I				I							I		I			I				
PHYS 111	I				I			I				I									
CHEM121 121	I	I			I	I						I		I	I						
CHEM122 122	I	I			I	I		I						I							
COMP125 125	I	I	I		I	I									I						
EDU 126			I			I		I				I	I	I							
MATH123 123																					
STAT 101																					
CHEM211 211	R	R			R	R		R	R			R	R	R							
CHEM2122122122	R	R			R	R		R				R		R	R						
CHEM213213213	R	R			R	R		R	R			R	R	R	R						

I: Introduce

R: Reinforce

E: Emphasize.

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	A1	A2	A3	A4	B1	B2	B3	B4	B5	B6	C1	C2	C3	C4	C5	D1	D2	D3
EDU 216			R			R		R				R	I	R		R	R	
EDU 217			R			R		R				R	I	R		R	R	
PHYS 123	R				R			R				R						
CHEM221	E	E			E	E		E	E			E	E	E	I	E	E	E
CHEM222	I	I	I		I	I		I	I					R	R	R	R	R
CHEM223	E	E			E	E		E	E			R		E	I	E	E	E
CHEM224	I	I	I		I	I		I	I			R	R	R	R	R	R	R
CHEM225	R	R	R		R	R		R	R			R		R	R	R	R	R
EDU 226			R			R		R					R	R		R	R	
CHEM311	R	R	R		R	R		R	R			R		R	R	R	R	R
CHEM312	R	R	R		R	R		R	R			E	R	R		R	R	R
CHEM314	E	E			E	E		E	E			R	E	E	I	E	E	
CHEM315	R	R	R		R	R		R	R			R	R	R	R	R	R	R
CHEM316	R	R	R		R	R		R	R			R	R	R	R	R	R	R
EDU316			R			R		R				R	R	R	I	R	R	

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EDU317			R			R		R				R	R	R	I	R	R	
CHEM321	R	R			R	R		R	R			R	E	R	I	R	R	
CHEM322	R	R			R	R		R						R	R	R	R	
CHEM323	E	E	E		R	R		R	R			E	R	E	R	E	E	E
CHEM324	R	R			R	R		R	I			I	I	R	I	E	E	I
EDU 326			I			I		I	I			I	I	I		I	I	
EDU 327			R			R		R				R	R	R		R	R	
CHEM411 411	E	E	E		E	E		E	E			E	R	R	R	E	E	
CHEM411 412	E	E	E		E	E		E	E			E	R	R	R	E	E	E
CHEM411 413	E	E			E	E		E	E			I	E	E	E	E	E	
CHEM411 414	E	E			E	E		E	E			I	E	E	E	E	E	
EDU 416			R			R		R				R	R	R		R	R	
EDU 417			E			E		E				E	E	E		E	E	
CHEM421 421	E	E			E	E		E	E			E	E	E	I	E	E	
CHEM421 422	E	E			E	E		E	E			E		E	I	E	E	E
EDU426			E			R		R				E	E	E		E	E	
CHEM421 423	E	E			E	E		E	E			E	E	E	I	E	E	E
CHEM421 424	R	R			R	R		R	R			R		R	R	R	R	R

Field	Code	Learning Outcome
A	A1	The program aims at equipping students with a sound and comprehensive knowledge of the field.
	A2	Covering the major principles and theories in the field and other related areas, as well as that of profession.
	A3	Being aware of the latest developments in his field of study and of the ways that can be used to develop his field.
	A4	Programs that prepare students for professions, students should know the laws and regulations of those jobs.
B	B1	Being able to discover facts and to analyze, understand and employ new concepts from different sources.
	B2	Being able to apply the new results to his field.
	B3	Being able to investigate complex matters using IT and other information materials.
	B4	Suggest innovative solutions to these matters in accordance with theoretical frameworks.
	B5	Applying the acquired academic skills to professional and academic contexts.
	B6	Acquiring the ability to use procedural methods in light of the appropriate theories.
C	C1	Acquiring the ability to use conventional procedural methods appropriately in professional contexts
	C2	Ability to assume a leading role in different circumstances.
	C3	Taking the initiative to identify urgent problems and solve them.
	C4	Students should be responsible for their self-development and academic performance and able to use new materials.
	C5	Showing high commitment to work ethics in accordance with Islamic values.
D	D1	Identify mathematical and statistical methods when solving problems and use them innovatively when suggesting solution
	D2	Communicating effectively both in writing and in speaking in different circumstances and to different
	D3	Integrating and appropriating IT in the collection, analysis and transfer of data and ideas on a regular basis.
E		Psychometric skills in using printing, surgery and research facilities.