

Majmaah University Deanship of Quality and Skills Development



College: Zulfi Education College Department: Chemistry

Code MUP16

Program and module learning outcomes

CHEM422: Module Code

To recognize the mechanism of the nucleophilic substitution reactions on a saturated Carbon atom	1
To recognize the mechanism of the electrophilic and nucleophilic substitutions reactions of the Aromatic compounds.	2
Students know the vital metabolic processes by which natural products are consisted such as secondary metabolism products and some of their interactions	3
Students will be able to distinguish between the electrophilic and nucleophilic additions on the Aromatic compounds.	4
Students will be able to apply the mechanisms of the interaction – under investigation –on different reactions .	5
Students will be able to solve problems in groups .	6
Students will be able to use the internet and computers to complete research papers .	7

Map

D.3	D.2	D.1	C.5	C.4	C.3	C.2	C.1	B.6	B.5	B.4	B.3	B.2	B.1	A.4	A.3	A.2	A.1	Number of learning outcomes
																		1
																		2
																		3
																		4
																		5
																		6
																		7
																		8



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Achieved	Meanings of
	colors
Not achieved	