



جامعة المجمعة  
عمادة الجودة وتطوير المهارات



Code MUP16

The program chemistry  
College of education in zulfi

Outline of the curriculum learning outcomes and the program learning outcomes:  
Course code CHEM423:

**: The course learning outcomes**

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The student is to realize the different types of spectrum (IR, UV, visible, NMR and Mass	1
The student is to realize the properties of the spectroscopy devices for each type of spectrum	2
To apply the rules of Woodward Fieser related to counting absorption in the ultra violet spectrum for some compounds.	3
To realize the unknown organic compound formula through spectral information of its own	4
The group runs the lab and takes responsibility for the results of the practical part which is conducted within their range.	5
To use the internet to gather some information related to spectrums.	6

**:outline \***

**The program learning outcomes**  
(Using symbols of learning outcomes )

		The program learning outcomes (Using symbols of learning outcomes )																	
E	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	Numbers of the course

