

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Prac. Instrumental Analysis
Course number	CHEM3118
Faculty	
Department	
Course type	College Needs
Course level	3
Credit hours (theoretical)	0
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

1 - The students will be trained on using some analytical instruments for chemical analysis. Students will also learn how to write a report and indicate failures and errors
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Course Contents

1 - This course covers the application of some analytical techniques including potentiometric titrations, spectrophotometric methods using U.V-VIS and IR spectrometry. The course also covers some experiments in determination of metals using atomic absorption spectrometry (AAS) such as Ni, Fe, Co, Zn, Cr, Pb.

Teaching and Learning Methods

1 - practical experiments

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Med-term exam	7th week of the course	30%
final exam	14th week of the course	50%
reporting	all experiments	20%

Books and References

Course note	handbook for practical course in instrumental chemistry - Dr. Mazen Hamada
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