

## Planning and Quality Assurance Affairs

Form (A)

### Course Specifications

#### General Information

Course name	Analytical Chemistry(2)
Course number	CHEM2312
Faculty	
Department	
Course type	College Needs
Course level	2
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

#### Course Objectives

1 - Learning the principles of different methods of volumetric analysis and their applications for simple and complex systems and titration in non aqueous medium and the best choice to do titration in non aqueous medium
---

#### Intended Learning Outcomes

Knowledge and Understanding	* provide the students how to deals with different methods of volumetric analysis and their applicatios in simple and complex systems and to learn the students about the titration in non aqueous medium
-----------------------------	---

#### Course Contents

1 - This is an extended course of analytical chemistry I. The course covers the volumetric analysis including theory of neutralization titrations, titration course for complex acid/base systems application of neutralization titrations, complex formation titrations, Introduction to electrochemistry including types of electrochemical cells and study the nurnst equation and calculation the potentials. Oxidation reduction titrations and applications of oxidation reduction titrations.
--

#### Students Assessment

Assessment Method	TIME	MARKS
First mid term exam 20% and Second Mid term exam 20% and attenance and activities home work 10%		Total 50% + Final exam 50%

#### Books and References

Course note	Fundamentals of analytical chemistry Authors Skoog , West, Holler
-------------	---