

## Planning and Quality Assurance Affairs

Form (A)

### Course Specifications

#### General Information

Course name	General Chemistry Lab
Course number	CHCH1103
Faculty	
Department	
Course type	College Needs
Course level	1
Credit hours (theoretical)	0
Credit hours (practical)	1
Course Prerequisites	

#### Course Objectives

1 - Knowledge of safety measurements in chemistry lab
2 - Examination of a substance purity
3 - Methods to identify a substance through chemical and physical properties
4 - Preparation of a lab report
5 - Chemical formula and chemical equations
6 - Classical methods in quantitative analysis

#### Intended Learning Outcomes

Knowledge and Understanding	* Knowledge of safety measurements in chemistry lab
	* Choosing the suitable analytical method
Professional Skills	* Writing a lab report
	* identification of substances : Physical and chemical testing
General Skill	* quantitative methods based on classical titration procedures

#### Course Contents

1 - Introduction of safety work in lab
2 - Chemical formula and chemical equations
3 - Identification test: physical test
4 - Identification test :Chemical testing
5 - Determination of chemical formula
6 - Titration for quantitative analysis

#### Teaching and Learning Methods

1 - Laboratory manuscript
2 - Practical procedures
3 - Discussion of problems and background

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**Students Assessment**

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
lab attendance and reports		50
practical final exam		20
lab reports		10
practical midterm exam		20

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**Books and References**

Course note	Laboratory manuscript
Essential books	Chemistry, by Chang, 9th. ed., 2007, McGraw-Hill.