Course Specifications

General Information

Course name	Chemistry of Non-Metals
Course number	CHEM4333
Faculty	
Department	
Course type	College Needs
Course level	4
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - Stimulate students, create and sustain their interest in and enjoyment in the study of chemistry of non-metals

2 - Enable students to acquire a knowledge of basic chemical concepts and an understanding of chemistry of non-metals

3 - Make students aware of the importance of non-metals in chemistry.

4 - Encourage students to apply their chemical knowledge and understanding to familiar and unfamiliar information.

Intended Learning Outcomes

Knowledge and Understanding

* The student should be able to
* Explain their knowledge in terms of relevant principles, concepts, theories and patterns
* perform theoretical exercise and problems relating the topics of the course
* Apply chemical principles and patterns to make generalisations and predictions

Course Contents

1 - Introduction to the periodic tables, Calssification of elements- metals, nonmetals and metallodis, The position of hydrogen in the periodic table, The chemistry of hydrogen: its preparation, properties and uses, The chemistry of carbon, uses, and properties- The chemistry of oxygen: its preparation, properties and uses and related compounds, The chemistry of sulfur: its preparation, properties and uses and related compounds, The chemistry of selenium, tellurium and polonium, their properties, their derivatives and related compounds, The chemistry of halogens, reactions, properties, compounds and ...etc, The chemistry of noble gases, uses and reactions.

Teaching and Learning Methods

1 - Teaching using powerpoint
2 - Teaching on board
3 - students activities
4 - Asking and answering during the discussion

Students Assessment

Assessment Method	TIME	MARKS
mid term exam (1)	1h	20
second term exam	1h	20
homework, attendance and activities	6 homeworks per semesters	10
Final exams	two hours exam	50