

Faculty of Oral & Dental Medicine

Chemistry

Information :

Course Code : SGS 121

Level : Undergraduate

Course Hours : 4.00- Hours

Department : Faculty of Oral & Dental Medicine

Instructor Information :

| Title | Name | Office hours |
|--------------------|--------------------------------------|--------------|
| Professor | Mahgoub Mohamed Ahmed Mustafa | 10 |
| Professor | Mahgoub Mohamed Ahmed Mustafa | 10 |
| Professor | Mahgoub Mohamed Ahmed Mustafa | 10 |
| Lecturer | Mai Mamdouh Anwar Mohamed Abdelfatah | |
| Lecturer | Sara Seleem Mahmoud Seleem | |
| Lecturer | Aya Hanfay Reda Hanfy Mohamed | |
| Lecturer | Mai Mamdouh Anwar Mohamed Abdelfatah | |
| Assistant Lecturer | Mohamed Hisham Fathi Mahmoud Mohamed | |
| Assistant Lecturer | Amal Mohamed Samy Mahmoud | |
| Assistant Lecturer | Ibrahim Taha Radwan Ahmed | |
| Assistant Lecturer | Ibrahim Taha Radwan Ahmed | |
| Teaching Assistant | Nesma Emad Abdallah Ahmed Abdallah | |
| Teaching Assistant | Maha Ali Hussein Hassn Ali | |
| Teaching Assistant | shaza Hassan Mahmoud Mohamed Moussa | |
| Teaching Assistant | Maha Ali Hussein Hassn Ali | |
| Teaching Assistant | shaza Hassan Mahmoud Mohamed Moussa | |
| Teaching Assistant | Nesma Emad Abdallah Ahmed Abdallah | |
| Teaching Assistant | Omnia Gamal Sayed Abd El Samee | |

Area Of Study :

At the end of the course, the students should have good knowledge of the following topics: Classical theory of structures; Bohr's model of hydrogen atom; Quantum theory, basic concepts; Electronic configuration of the elements; General trends within the periodic table; Chemical bonding and molecular structure; Acids and Bases; Chemical equilibrium; Qualitative inorganic analysis (identification of acidic and basic radicals in simple salts; Volumetric analysis).

Description :

Physical Chemistry, States of matter, periodic table, solutions & chemical bonding

Course Topic And Contents :

| Topic | No. of hours | Lecture | Tutorial / Practical |
|---|--------------|---|---|
| Classification of living organisms | 4 | Classification of living organisms | Classification of living organisms |
| Bacteria | 4 | Bacteria | Bacteria |
| Fungi | 4 | Fungi | Fungi |
| Virus | 4 | Virus | Virus |
| Introduction to Genetics (mitosis and meiosis) | 4 | Introduction to Genetics (mitosis and meiosis) | Introduction to Genetics (mitosis and meiosis) |
| The genetic code, protein synthesis and Gene regulation | 4 | The genetic code, protein synthesis and Gene regulation | The genetic code, protein synthesis and Gene regulation |
| Mutation , Mendelian inheritance | 4 | Mutation , Mendelian inheritance | Mutation , Mendelian inheritance |
| Genes and diseases | 4 | Genes and diseases | Genes and diseases |
| Identification of inherited disease | 4 | Identification of inherited disease | Identification of inherited disease |
| Karyotype. Molecular genetics testing | 4 | Karyotype. Molecular genetics testing | Karyotype. Molecular genetics testing |

Teaching And Learning Methodologies :

Lectures
 Demonstrations
 Role playing and hands on
 Small group discussion

Course Assessment :

| Methods of assessment | Relative weight % | Week No | Assess What |
|---------------------------|-------------------|---------|-------------|
| 1st Mid Term Exam | 20.00 | | |
| 2nd Mid Term Exam | 20.00 | | |
| Class work | 20.00 | | |
| Final Written Examination | 30.00 | | |

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| Practical examination | 10.00 | | |
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