

Medicinal chemistry

A course concerned with the study of organic and inorganic chemistry, biochemistry and analytical chemistry

Theoretical: It includes several lectures dealing with inorganic chemistry by studying acids, bases, salts and ions, while organic chemistry talks about carbon compounds, then studies biochemistry represented by carbohydrates, fats, proteins and others.

Different Learning Methods in the Department of Dentistry

A- Auditory method: This method depends on communicating information in the form of sounds that are heard by the learner for analysis and storage.

B- Visual method: in which information is communicated by displaying color images, videos or any form of visual educational aids.

C- Reading method: It is one of the methods that depend on reading information to understand and store it.

D. Interdisciplinary professional education where dental students collaborate with other healthcare professionals, to promote a holistic approach to patient care.

Different evaluation methods for students in the Department of Dentistry

Daily tests with multiple-choice questions for subjects that require practical skills.

B- Daily exams with practical questions.

C- Semester and final exams.

D- Setting grades for the assigned homework .

H- Grades of participation of questions competing for the subjects of study.

G- Daily evaluation of the student's work in scientific laboratories and educational clinics.

Learning Outcomes for Dental Courses

Using health information technology in oral and dental health care effectively.

Apply appropriate professional, ethical and legal standards in the provision of patient care in accordance with health care rules and regulations.

Providing graduates with scientific knowledge and professional skills in the fields of oral and dental surgery, dental prosthesis, dental preservation,

orthodontics, pediatric dentistry, periodontal pathology and surrounding tissues, as well as community dentistry.

Knowledge of the principles of oral and dental health and understanding of the development, prevention and treatment of related diseases

Health promotion and disease prevention to serve the community.

Integrating basic and medical sciences into healthcare practice.

Develop decision-making and problem-solving skills in healthcare.

Evaluate the state of oral and dental health and the medical condition of the patient, request the necessary diagnostic analyzes, and interpret the results of various analyzes to reach the appropriate diagnosis.

Prepare a care plan for the prevention and treatment of diseases taking into account the needs of the patient.

Demonstrate competence in performing procedures safely in all aspects of dentistry and prevent injuries arising from treatment.

Providing graduates with theoretical knowledge and laboratory and clinical skills that increase the effectiveness of diagnosis.

Preparing dental graduates and training them to become distinguished in various fields of dentistry.

Lesson name and units

<i>Subject</i>	<i>1st Semester hours/week</i>		<i>2nd Semester hours/week</i>		<i>Units</i>	<i>Code</i>
	<i>Theory</i>	<i>Practical</i>	<i>Theory</i>	<i>Practical</i>		
9. Medical Chemistry الكيمياء الطبيه	2	2	2	2	6	MC109

A- Basic information

1-Subject title	Medical Chemistry	
2-Number of credits	Theory:4	Laboratory:2
3-Number of contact hours	Theory:2h/wk.	Laboratory:2h/wk.
4-Subject time	First Year	

Number	Title of the lectures	Hours
1	Acid, Base and Salt	2
2	salts, preparation of salts	2
3	Fluid and electrolyte	2
4	Buffer-pH and Acid-Base Balance	2
5	acid-base balance and blood pH	2
6	Colloids and colloidal dispersions	2
7	Chirality in Biological Systems	2
8	concentration, preparation of solutions	2
9	Pollution	2
10	Radiochemistry	2

11	Alkanes and Cycloalkanes	2
12	Alkenes and Alkynes	2
13	Aromatic compounds	2
14	Aromatic compounds in Nature	2
15	Stereoisomers of Carbon	2
16	Diastereomers	2
17	Alcohols, Phenols, Ethers and Thiols (preparation, reactions)	2
18	Carboxylic Acids And Their Derivatives , part 1	2
19	Carboxylic Acids And Their Derivatives , part 2	2
20	Aldehydes and ketones	2
21	Carbohydrates	2
22	Monosaccharide's	2
23	Disaccharides Carbohydrates and oral health	2
24	Lipids	2
25	Derived lipids The role of lipids in teeth diseases	2
26	Proteins	1
27	Amino acids Effects of protein on oral health	1
28	Nucleic Acids	1
29	Nucleosides, Nucleotides	1
30	Dioxy and ribo Nucliec acids	1

Total		
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