



مفردات قسم طب الأسنان المستوى الثاني

1) Biochemistry

1. To illustrate the students about biomolecules , carbohydrates, Lipids, proteins, enzymes, Vitamins, importance, structure and classification.
2. To familiarizes the students with basic principles of molecular biology and protein synthesis.
3. To enable the student to illustrate and/or describe the metabolic pathways of macronutrients.
4. To enable the students to point-out hereditary and acquired metabolic disturbances and their Biochemical laboratory and clinical outcomes.
5. To enable the student to point out the bioenergetics of the concerned metabolic pathways

Under different physiological circumstances and their integrator regulations with other Working metabolic pathways.

6. Acquire the students laboratory skills to be identify carbohydrates, Lipids, enzymes, proteins.
7. To enable the student to interpret medical laboratory reports..

2) Biostatistics

For students undertaking this course, the aims are to:

1. identify the basic concepts in biostatistics.
2. Understand the methods of data collection and tabulation.
3. Calculate measures of central tendency , dispersion and correlation
4. Distinguish between random variables related and discrete.
5. Acquire the basic concepts in probability and its applications.

3) Dental biomaterials

By the end of the course the students will be able to:

1. Differentiate between different types of materials used in dentistry
2. Understand the biological, physical, chemical, and mechanical properties of the dental materials
3. Select the proper materials having good properties regarding their advantages and disadvantages.
4. Show the knowledge of the clinical considerations of the materials used in dentistry
5. Manipulate correctly the different types of dental materials
6. Work as a teach member in preparing topics related to dental materials.

4) Human physiology

1. Introduce students with basic definitions and principles related to physiology as a study of the living body at molecular, cellular as well as the level of intact organism.
2. Teach students how to describe the physiological implications related to circulating body Fluids.
3. Support the student with the knowledge about the electrical and ionic events that underline



5) Medical english

1. Providing an introductory knowledge of English and Roman numeric systems in

Medical practices.

2. explaining the definitions of medical supplies and tools in English.
3. helping students at being competent English communication.
4. discussing the medical terminologies in English from the field of dentistry.
5. exploring the formation of medical terms with the help of relevant affixes.

6) Opraitive dentistry 1

this course aims to:

1. Provide basic and fundametatal introduction knowledge about operative dentistry.
2. Teaches students the instruments and instrumentation used in dental hard tissue cutting And removal, as well as the correct position and ergonomy of the teeth.
3. Train the students to be able to identify dental] caries probably, and the basic practical Techniques of teeth preparation.
4. Train the students to be familiar with dental clinics via phantom head lab mimicking the Dental clinics.

7) Oral histology

This course aims to:

- 1- Describe the development and growth of the oral and paraoral tissues.
- 2- Identify the normal oral structure and recognize their relation to their function.
- 3- Diagnose the nonnal structure and the proper function of the oral and paraoral tissues.
- 4- Evaluate the different events that occur during the prenatal and postnatal development.
- 5- Diagnose the proper appearance of the oral and paraoral tissues during the clinical examination and Identify any deviation from the normal.
- 6- Deal and care with the oral and paraoral tissues during the different clinical procedures.

8) Removable prosthodontics

This is preclinical course designed to develop skills and provide information for utilizing removable Prosthodontics (conventional complete and partial dentures) for the management of completely/partially Edentulous patients.

1. Provide the students with basic current and updated information and sufficient theoretical background To assist them in managing completely/partially edentulous patients using removable complete or partial Dentures. This is in the form of lectures from history taking and examination to the recall and Assessment stage.



2. Provide slide shows on the various steps involved in fabrication of complete and removable partial Dentures.
 3. Prepare the students for the clinics to be familiar with all clinics and laboratory steps in complete Denture and Transitional/Definitive removable partial denture construction and how to manage Edentulous patients
 4. Teach students how to communicate with other professionals especially dental technicians by the work Authorization.
 5. Provide the students with basic, current, evidence based and updated information and sufficient Practical and laboratory background to assist them in managing completely/partially edentulous patients Using removable complete or partial dentures. This is in the form of laboratory sessions.
 6. Provide hands-on training on the various steps involved in fabrication of complete and removable Partial dentures.
 7. Finish complete and partial dentures going through the entire laboratory and some clinical steps.
- 9) التشريح
- .1) Studying the anatomical position, planes and terms.
 - .2) Understanding the normal structure and function of skin, fascia.
 - .3) Studying the different types of muscles and joints
 - .4) Understanding the normal anatomy of head and neck
- 10) علم الانسجة العام وعلم الاجنة
- Course Aims are to:
1. Support the students with the knowledge of the cell structure and functions of its components.
 2. Provide the students with the knowledge of structure of the basic body tissues.
 3. Make the student able to describe the microscopic structure of the organ system of the human body.
 4. Expand the students' knowledge about the various terms of human histology and embryology.
 6. Develop the ability of students to explain the human general embryology and development oaths head & Neck structures.



11) Medical ethics

1. تنمية المعرفة بالجوانب الاخلاقية والأحكام الطبية الفقيهه المتعلقة بالممارسات الطبية ومهنة الطب لدى طالب الطب من منظور إسلامي .
2. توضيح الدارسين بواجبات وحقوق الطبيب والمريض و أهله من وجهة نظر اسلامي .
3. تبصير الدارسين بأسس وقواعد اخلاقيات الطب والفقہ الطبي في الاسلام .
4. تعريف الطالب بالدستور الاسلامي للمهن الطبية .
5. تعريف الطالب بالأحكام الشرعية ذات الصلة بالممارسات الطبية مما يساعدهم على ارشاد المرض ورفع الحرج عنه .
6. تمكين الطلاب من اكتساب مهارات واخلاقيات التعامل مع زملاء المهنة و المرضى والمجتمع

12) تنمية المهارات القيادية

1. تحديد مفهوم القيادة مع بيان عناصرها .
2. التمييز بين الانماط العملية والنظرية للقيادة .
3. تحديد الفرق بين المدير والقائد.
4. التمييز بين مهام القائد الجديد (القائد المطور- القائد الطيب - القائد المهندس).
5. تحديد مفهوم الادارة وعناصرها و وظائفها المختلفة .
6. الإلمام ببعض الاخلاقيات الهامة للقيادة والادارة .
7. الإلمام ببعض المهارات الهامة للقيادة والادارة
8. ممارسة دور القيادة والادارة على الواقع العملي، وتلافي بعض الممارسات المؤثرة على نجاحها.

13) مناهج البحث العلمي

1. يظهر معرفة بالعلم والمعرفة والبحث العلمي ، ومناهجه.
2. يكتسب مهارات تحديد مشكلة البحث، وكيفية مراجعة الدراسات السابقة ، وتحديد العينة ، واختيارها.
3. يكتب خطة، وتقريراً بحثياً،
4. يصمم ادوات لجمع المعلومات.
5. يستخدم المكتبات العامة والمصادر والمراجع، يوثقها بصورة صحيحة.
6. يحرص على الاستفادة من البحث العلمي في شؤون حياته المختلفة.