

**Oral Diagnosis (BDT008)****2 Credit hours (1 Lecture +3 Clinic)**

Oral Diagnosis is that branch of dental sciences that deals with the thorough examinations, investigations of a given disease, anomaly, lesion or others in the oral cavity and its related areas. This course provides a basis for the clinical practice in which the students will be engaged during the coming years and after graduation. The students will be able to understand and know principles of oral diagnosis to make clinical, radiographical and histopathological differential diagnosis reaching to a definitive diagnosis.

Local anesthesia & Extraction (BDT009)**3 Credit hours (2 Lecture +3 Clinic)**

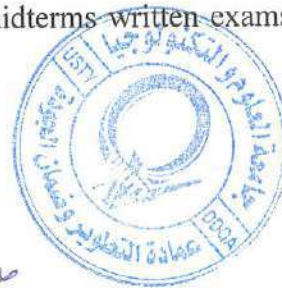
This course is a series of weekly lectures extending one year to cover introduction to local anesthesia of maxilla and mandible, impotent terminology, assessment of patients, pain control, neuro-anatomy of the oral cavity and para-oral tissue, neuro-physiology, pharmacokinetics of the drugs used in local anesthesia, anatomical consideration, equipment's, injection techniques, local and systematic complications and their management, this course also covers sterilization, control of infection, the different methods for extraction [intra-alveolar and trans-alveolar], the required instruments [forceps and elevators, indications and m contraindications of teeth extraction, post-operative instructions and follow-up, and possible complications which may occur during or after extraction and how to recognize and manage such complications. Anatomy, biochemistry, physiology were studied before.

Operative Dentistry (2) (BDT010)**4 Credit hours (2 Lecture +6 Practical)**

This course teaches and trains students to have the ability to identify and to do different types of cavities according to G V Black classification of caries, and to select proper restorative materials. Also, this course aims at providing the students with the knowledge of the latest materials and procedures used in cavities preparation and restoration using phantom head lab, mimicking the different circumstances in dental clinics, Operative Dentistry I and Tooth Morphology were a supportive science.

Endodontics (1) (BDT011)**3 Credit hours (2 Lecture +2 Practical)**

This is a compulsory course which is an essential pre-requisite to other clinical courses. Upon successful completion of this preclinical course, the student should be ready to perform the Endodontic procedures clinically on patients. The theoretical part covers topics which include an introduction to subject, morphology of root canal system, access cavity preparation, cleaning, shaping and obturation of root canal systems. It lays emphasis on possessing thorough knowledge of various endodontic instruments. The pre-clinical practical part includes performing root canal treatment steps on single-canal and multi-canal teeth. The assessments of this course include continuous evaluation of Lab. practical requirements, midterms written exams, and final written, practical and oral exams.



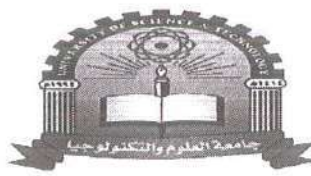
توقيع مسؤول الجودة

توقيع رئيس القسم

توقيع عميد الكلية

DDQA-UST

عمادة التطوير وضمان الجودة - رئاسة الجامعة - ت / ٢٧٣٢٤٠ / توكيله: ٤١٤٤ / ٤١٥٥
تسعى عمادة التطوير وضمان الجودة إلى التحسين المستمر لأنظمة وبرامج الجامعة، ولذا تعيبر الجودة الطبية التوعوية والعلمية، لإعلاء روح التميز، وتحقيق طموحات المستفيدين



Removable Prosthodontics (2) (BDT012) 6 Credit hours (2 Lecture +4 Practical + 4 Clinic)

This is a theoretical based Prosthodontics course where students are theoretically trained on the various steps and aspects involved in the construction of complete dentures and removable partial dentures. Theoretical background is given in the form of 1hour lecture once a week. The course is given in form of theory-based slide shows and lectures to ensure that the students understand each practical step of removable dentures. This course introduces the students to the conventional techniques used in the construction of removable prosthesis. Knowledge attained to complete this level brings the student to a point of competency in complete and partial dentures. The clinical work of relation to the laboratory work is discussed with the students to ensure that the students understand each practical step.

Fixed Prosthodontics (1) (BDT013) 6 Credit hours (2 Lecture +8 Practical)

An introduction to the science and art of fixed prosthodontics, essentially with the clinical application of basic fixed Prosthodontics procedures on the phantom head and basic fixed Prosthodontics laboratory procedures on the dental lab.

Oral Pathology (BDT014) 4 Credit hours (3 Lecture +2 Practical)

Oral Pathology is an important branch of dental sciences that deals with the nature of oral and perioral diseases and defects through study of their etiology, pathogenesis, histopathology, prognosis and their effects on oral structures and function. This course provides a basis for the clinical practice in which the students will be engaged during the coming years and after graduation. The students will be able to understand and know principles of oral pathology to make histopathological differential diagnosis reaching to a definitive diagnosis.

Microbiology and Immunology (BDNT13) 3 Credit hours (2 Lecture +2 Practical)

This course deals with the study of medically important microorganisms and concerns with the classification of microorganisms and their structure, infection transmission routes, diseases progression and pathogenesis, infectious diseases prevention and control, and anti-microbial therapy. The course also concerns in basic understanding of microbe-host interactions, immune response components and mechanisms, and basic understanding of oral microbiology and pathogenesis of periodontitis and dental caries



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DDQA-UST

عمادة التطوير وضمان الجودة - رئاسة الجامعة - ت / ٣٧٢٢٤٠ لهويته: ٤١٤٤ / ٤١٥٥

تسعى عمادة التطوير وضمان الجودة إلى التحسين المستمر لتنظمة وبرامج الجامعة. وفقاً لمعايير الجودة العالمية القومية والعالمية، لإتلاء أيام التميز. وتطبيق طموحات المستفيدين.



الكلية: طب الأسنان

وصف المقررات

Course syllabus

Department: Dentistry

القسم: طب الأسنان

Program: Bachelor of Dental Surgery

البرنامج: بكالوريوس طب وجراحة الفم والأسنان

Fourth Year Courses

مقررات السنة الرابعة

General Medicine (BDNT14)

2 Credit hours (2 Lecture)

This course provides students with the basic, practical, clinical knowledge concerning general medicine. Students will be exposed to concepts and practical issues in general medicine. Also, students will be exposed to important diseases in medicine, that are closely linked to these systems. Teaching and learning methods include interactive lectures, small group discussion (Problem-Based Learning).

General & ENT Surgery (BDNT15)

2 Credit hours (2 Lecture)

General & ENT Surgery is a medical course that focuses on the identification and management of the various surgical problems related to the in the ear, nose, throat and head & neck in particular. It is directed towards building the confidence in the dental students to refer patients with pathological conditions in the ear, nose, throat and head & neck to the appropriate specialization upon their recognition during routine dental visits.

Medically Compromised Patient in Dentistry (BDT032)

1 Credit hour (1 Lecture)

This course will introduce the student to the comprehensive principles and required techniques for dealing with the patients and medical management of medically compromised patients and how to deal with emergencies in the dental chair. Anatomy, general histology and embryology, physiology, medical ethics and extraction were studied before.

Oral Surgery Technique (BDT015)

4 Credit hours (2 Lecture + 6 Clinic)

This course aims to teach and train students the comprehensive principles and required techniques for dealing with the patients, especially the medically compromised. Also, course is an introduction to minor oral surgery, diagnosis, and treatment plan for oral surgical procedures that are essential to the general practitioner. the application of local anesthesia and the performance of simple extractions and the possible complications of tooth extraction and their management and the theoretical knowledge of surgical extraction of impacted teeth, periapical surgery, diagnosis and management of acute and chronic oral and dental diseases. The anatomy, physiology, oral pathology and local anesthesia and extraction were studied before.



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عمادة التطوير وضمان الجودة - رئاسة الجامعة - ت / ٢٧٣٢٤٠ لتويحه: ٤١٤٤ / ١٥٥
تسعى عمادة التطوير وضمان الجودة إلى التخصين المستمر لأنظمة وبرامج الجامعة، وفقاً لمعايير الجودة العالمية القومية والعالمية، لإعداد فني المتميز، وتطبيق نظمها المستفيدين.

**Pedodontics (1) (BDT016)****4 Credit hours (2 Lecture + 4 Clinic)**

This course is entrance in Pediatric Dentistry, where it gives an introduction to pediatric dentistry and the importance of its applications and clinical as well as the history of the development and growth of the deciduous and permanent teeth, eruption time and how to differentiate between them. As well as gives the student the ability to collect data for patient beginning of the clinical examination to reach the exact diagnosis of the oral disease of pediatric child to reach to preventive and operative treatment plan. As well as the course aims to introduce students to how to deal with children who are suffering from systemic disease that influence with dental treatment on dental chair and also how to raise awareness of dental health through give instructions about diet habits and how to maintain the level of oral hygiene and give student importance of the various preventive methods in reduction incidence of dental caries in children and adolescents at the level of Child and relatives. This course is given to level four of Bachelor of dentistry and it does not require any prerequisite and co-requisite courses.

Periodontology (1) (BDT017)**4 Credit hours (2 Lecture + 6 Clinic)**

The periodontal program established to produce knowledge, skillful dentist who is able to know and differentiate between various periodontal disease, etiology and pathogenesis of periodontal disease in order to make the proper diagnosis and management.

Operative Dentistry (3) (BDT018)**4 Credit hours (2 Lecture + 6 Clinic)**

This course teaches and train students have a good working knowledge about different types of dental bonding agents, and a clinical experience in differentiating, diagnosing and treatment planning of different cervical non carious lesions. Students after finishing this course will be able to make better case selection for restorations in the esthetic area supported by good clinical skills that aid them to better do clinical color selection.

Endodontics (2) (BDT025)**3 Credit hours (2 Lecture +6 Clinic)**

The is a compulsory course which is an essential pre-requisite to comprehensive clinical practice. The theoretical part covers topics which include case control, decision making, pulp and periapical diseases, endodontic emergencies and their management, restoration of the endodontically treated teeth, vital pulp therapy, immature roots, traumatic injuries, endo-perio lesions, success and failure, non-surgical retreatment, surgical endodontics and bleaching. The clinical part allows students to make proper diagnosis, treatment planning and management of the cases requiring endodontic therapy in single canal and two canal teeth (anterior and premolars teeth). The assessments of this course include continuous evaluation of clinical requirements, midterms written exams, and final written, clinical and oral exams.



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2022

توقيع رئيس القسم
2022

توقيع مسئول الجودة
2022

DDQA-UST

عمادة التطوير وضمان الجودة - رئاسة الجامعة - ت / ٢٧٢٢٤٠ تحويله: ٤١٤٤ / ٤١٥٥

تسعى عمادة التطوير وضمان الجودة إلى التحسين المستمر لخدمات وبرامج الجامعة، ولذا فعلايمير الجودة العلمية القومية والعالمية، لإعداد تيم المتميز، ولتحقيق طموحات المستخدمين.



Removable prosthodontics (3) (BDT019) 6 Credit hours (2 Lecture +4 Practical + 4 Clinic)

This course is composed of theoretical and clinical part. The theoretical part concludes the last sequence of removable prosthodontic courses leading to a professional degree in dentistry. This is a theoretical based Prosthodontics course where students are theoretically trained on the various steps and aspects involved in the construction of conventional and non-conventional complete dentures and removable partial dentures. Theoretical background is given in the form of 1hour lecture once a week. The students are exposed theoretically to more advanced topics in prosthetic dentistry, which considered as continuation to 2nd & 3rd year prosthodontic courses. While in the fifth year students will be exposed to some advanced elective courses and comprehensive patient care courses. The course is given in form of theory based slide shows and lectures to ensure that the students understand each practical step of removable dentures in addition to seminar and groups BPL for specific subjects. This course introduces the students to the conventional and non-conventional techniques used in the construction of removable prosthesis. Knowledge attained to complete this level brings the student to higher levels of competency in removable. The clinical part of the course will focus on training students on various steps involved in the construction of conventional and non-conventional complete dentures and removable partial dentures. The practical sessions are given on weekly basis. Theoretical background is the responsibility of the student. However, short talks during clinic and treatment will be provided during the clinic. No demonstrations of the work to be done. However, during each practical step strict supervision will be provided to ensure that all students acquire the skills necessary to do the practical work of removable dentures taking into account the variations in the level of understanding between students. The clinical work of relation to the laboratory work is discussed with the students to ensure that the students understand each practical step.

Fixed Prosthodontics (2) (BDT020) 6 Credit hours (2 Lecture +4 Practical + 4 Clinic)

Depth in the science and art of Fixed Prosthodontics and through which students learn and gain clinical skills and art of diagnosis and a treatment plan through training on patients and mastered the technical skills laboratory through training on industry of Fixed Prosthodontics in the crowns and bridges labs, and enable the student to apply what they have learned in the previous course so that the patient's mouth. Or Applications the clinical and laboratory procedures of fixed Prosthodontics that taken in the previous year but on the patients.

Oral Medicine (BDT021) 4 Credit hours (2 Lecture + 4 Clinic)

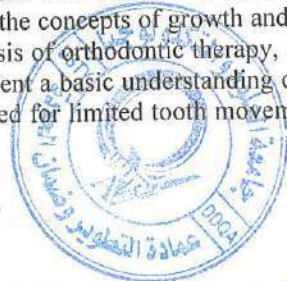
The course is designed to demonstrate the most common oral and Para oral diseases. Their causes, pathogenesis, risk factors, diagnosis, treatment and prognosis. It is intended for the dental student to gain basic knowledge and skills that are involved in the diagnostic process and treatment planning of such diseases the course will allow students to effectively communicate with patients and establish sound patient dentist relationships, carrying out a general and detailed examination of the extra-oral and intra-oral structures. The course is offered through lectures and clinical practice. Lectures will cover various topics on the interviewing process, clinical methods, oral mucosal and salivary gland diseases and on relevant aspects of the diagnostic tools employed in treatment planning. The practical section is intended to learn the students how to examine, diagnose, differentiate and treat patients will different oral mucosal lesions and salivary gland diseases. Oral diagnostic science is mandatory to introduce to this course.

Orthodontics (1) (BDT022) 4 Credit hours (2 Lecture + 4 Practical)

This is the first orthodontic course for dental students at the dental college. The course is a continuous one that is taught over one year and has two components; theoretical and practical. The course will introduce the fourth year dental student to the fundamentals of orthodontics, including topics on the concepts of growth and development of the craniofacial structures, etiology of orthodontic problems, biological basis of orthodontic therapy, and clinical features of different malocclusions. This course is also designed to give the student a basic understanding of the skills required to fabricate removable orthodontic appliances that are typically indicated for limited tooth movement and retention in interceptive orthodontics.

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توقيع مسؤول الجودة



الكلية: طب الأسنان

وصف المقررات

Course syllabus

Department: Dentistry

Program: Bachelor of Dental Surgery

القسم: طب الأسنان

البرنامج: بكالوريوس طب وجراحة الفم والأسنان

Fifth Year Courses

مقررات السنة الخامسة

Dental therapeutics (BDNT16)**1 Credit hour (1 Lecture)**

This course aims to introduce students to the basic principles and knowledge of drugs by the drug group and body organ or system that affect, their mechanism of action and clinical uses along with side effects and toxicity, as well as drug interactions with other medications, food and various dental procedures and drugs contraindications. Course topics include rational prescription of drugs, prescription writing and abbreviations, essential, OTC and controlled drugs, drugs in pregnancy, drugs in childhood, dentistry clinical pharmacology of antifungal dentistry clinical pharmacology of antiviral, locally acting drugs, pharmacotherapy of osteoporosis skeletal muscle relaxants drug interactions pharmacotherapy of smoking mouth washes and gargles, toothpastes. Teaching strategies involve lectures presentations self-learning, research assignments clinical cases, dialogue and discussion, problem solving.

Maxillofacial Prosthesis (BDT024)**2 Credit hours (1 Lecture + 3 Practical)**

This two-credit hour course is designed to provide the undergraduate dental students with the basic theoretical. Clinical and technical knowledge and skills to fabricate maxillofacial obturators. A detailed theoretical background, relevant to clinical and technical aspects of maxillofacial will also provided.

Basic life support (BDT033)**2 Credit hours (1 Lecture + 2 Practical)**

This course is an introduction to very impotent cardiac disorder that lead to cardiac rest diagnosis and treatment plan for oral surgical procedures that are essential to the general practitioner also it demonstrate on a model how to stimulate the respiratory and cardiac systems, course topics includes general standard of care, medical patient categories trauma patient categories environmental-related disorders, pediatrics, geriatrics, psychiatric disorders. Involve lectures, self-learning, practical training and practice, dialogue and discussion, problem solving cases study, cooperative learning, and simulation.



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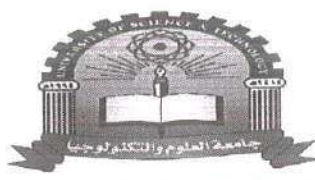
توقيع رئيس القسم

توقيع مسؤول الجودة

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عمادة التطوير وضمان الجودة - رئاسة الجامعة - ت / ٣٧٢٢٤٠ - تويته: ٤١٤٤ / ٤١٥٥

تسعى عمادة التطوير وضمان الجودة إلى التحسين المستمر لتنظمة وبرامج الجامعة. ولذا لها معايير الجودة لكلية القومية والوطنية، لإعلاء أهم التميز. وتطبيق طموحات المستفيدين.



Surgical Procedures in Implant Dentistry (BDT035)

1 Credit hour (1 Lecture)

This course introduces the student with knowledge of implant materials, designs tissue interfaces of Osseo integration and fibro integration to understand the reasons for implant success and failure both before and after restoration. Course topics include the Development of dental implants armamentarium for implant surgery, patient selection. Also, Radiographic modalities, sterilization, disinfection, and Asepsis in implantology, generalized surgical technique for end osseous Root-Form implants, implant exposure techniques at second-stage surgery, bone biology osseointegration, and bone Grafting, healing and suturing techniques and prescribing of pharmacological agents. Teaching strategies include: lectures, Seminars, Presentations, Dialogue and discussion cooperative and self-learning.

Occlusion and TMJ Disorders (BDT034)

1 Credit hour (1 Lecture)

A general and complete description of the dental anatomy, physiology and occlusion has been viewed in a previous course. The actual course aims to give the student a full and comprehensive idea of the fundamentals of occlusion in all its aspects, static or dynamic, normal or pathologic. It also spans the biological, biomechanical and physiological aspects of occlusion.

Prosthetic Rehabilitation in Implant Dentistry (BDT036)

1 Credit hour (1 Lecture)

This course introduces to the conventional techniques used in the construction of prosthetic rehabilitation over implants abutment, to achieve a higher levels of competency in implants prosthodontics. The course contents include introduction for dental implants, diagnosis and treatment. Stress treatment theorem sequence of treatment planning impression materials and tools for success with implant prosthodontics, implants abutments prosthetic rehabilitation. Teaching strategies involves: lectures, Group tutorial, Seminars, and Self-learning.

Dental Public Health & Community Dentistry (BDT026)

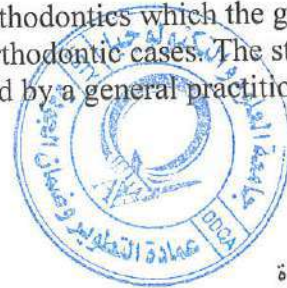
4 Credit hours (2 Lecture + 6 Clinic)

Dental Public health (also known as community oral health and community Dentistry) is the branch of dentistry that aims to prevent oral disease and maintain oral health by focusing on social influences and working with communities as opposed to individual patients. By studying dental public health, the dental undergraduate will develop an understanding of how the nature of community, access to material goods and services, and broad cultural composition will impact on disease experience, type of dental services people prefer, their likely attendance and ability to maintain their own dental health.

Orthodontics (2) (BDT027)

2 Credit hours (1 Lecture + 3 Clinic)

This course is intended to give the student an introduction of orthodontic diagnosis, evaluation and treatment planning with the emphasis on the in elements of orthodontics which the general practitioner should be familiar with in order to treat limited orthodontic cases. The student will learn orthodontic triage: separating patients who can be treated by a general practitioner and those who will require referral to a dental specialist.



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تسعى عمادة التطوير وضمان الجودة إلى التحسين المستمر لخدمة برامج الجامعة. ولذا فعلى معايير الجودة العلمية القومية والعالمية، إعداد قيم المميز. وتطبيق نظم ضمانات المستفيدين

**Pedodontics (2) (BDT028)****4 Credit hours (2 Lecture + 4 Clinic)**

This course aims to teach and train the student comprehensive principles and required clinical techniques which concerned with understanding of normal growth and development and the promotion and maintenance of oral health for children. Prevention is the cornerstone of good management of dental problems in children.

Periodontology (2) (BDT029)**4 Credit hours (2 Lecture + 6 Clinic)**

The periodontal program established to produce knowledge, skillful dentist who is able to treat various periodontal pathologies using different periodontal instruments and prescribe suitable systemic medications commonly used in periodontology and their side effects.

Oral and Maxillofacial Surgery (BDT030)**4 Credit hours (2 Lecture + 6 Clinic)**

This course introduces the student to assessment of surgery for, preprosthetic surgery, biopsies, and the diagnosis and treatment of odontogenic infections. With the procedures most commonly provided by oral and maxillofacial surgeons. Technique is not taught; the student is made aware of procedures available to patients through referral. And, diagnosis and treatment of salivary gland disease, TMJ and oral cancer.

Comprehensive Clinical Practice (BDT031)**8 Credit hours (2 Lecture + 18 Clinic)**

This course is designed to cover all clinical dentistry. It is a conjoint course by the two dental departments where contributors from all disciplines participate in both the lectures and clinical sessions. Lectures are designed to cover a wide aspect of advanced dental topics related to comprehensive dental care. Clinical sessions are conducted to augment the clinical experience gained by the students in previous clinical courses and provide them with an excellent foundation for comprehensive patient care and clinical management. It is offered during the fifth year and consists of one lecture and three clinical sessions per week throughout the academic year.



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تسعى عمادة التطوير وضمان الجودة إلى التوسيع المستمر لأنظمة وبرامج الجامعة، وفقاً لمعايير الجودة المحلية القومية والعالمية، لإملاء فهم التميز، وتطبيق نظم ضمان الجودة المستدامة.