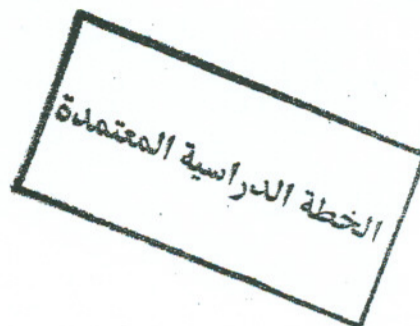


Course Description

Faculty of Dentistry
University of Jordan



Department of Pediatric Dentistry

1303485

Pediatric Dentistry 1 (theory)

1 Credit Hour

Pre-request (none)

The course reviews the principles and scope of dentistry for children and adolescents. The course emphasizes importance of acquiring a comprehensive approach for management of pediatric dental patient; special attention is paid to behavior, personality, examination (Physical & dental) diagnosis, and treatment planning, pain and anxiety control. Clinical applications of differences between primary and permanent teeth are discussed, and eruption of teeth with changes of the dental arches that occur during the period of eruption are explored. The importance of understanding medical problems and handicap are emphasized during dental and oral management.

1303488

Pediatric Dentistry 1 (Practical)

1 Credit Hour

Pre-request (none)

This course is intended to prepare the student with an understanding of the basic concepts necessary for the successful diagnosis and treatment of the child in the primary, mixed and permanent dentitions. Laboratory and seminar experiences are combined to simulate the various dental procedures and handling of the materials and instruments used in the treatment of the pediatric dental patient.

1303585

Pediatric Dentistry 2 (theory)

1 Credit Hour

Pre-request (none)

This course familiarizes the student with the special forms of caries occurring during childhood and adolescence. Operative procedures and modern concepts of dentistry for the child and adolescent are explored. Considerable emphasis is given throughout the course to prevention of dental caries and management of space problems. Also, the course discusses problems related to the eruption of teeth and oral manifestations of certain systemic diseases and syndromes. The course provides the student with the opportunity to acquire the skills and knowledge necessary for the diagnoses and proper treatment of pulpally involved primary and young permanent teeth. Considerable emphasis is given to treatment of injuries and several new treatment recommendations are included.

الخطة الدراسية المعتمدة

1303586 **Pediatric Dentistry 2 (clinical)** 2Credit Hours
Pre-request (none)

This clinical course focuses on skills that student should develop by covering examination, diagnoses, treatment planning, restoration of teeth, trauma, prevention of oral diseases, emergency care, pulp therapy, and other tooth related therapy.

1303483 **Preventive Dentistry 1 (theory)** 1Credit Hour
Pre-request (none)

This course introduces the concepts, principles and methods of prevention of dental caries and oral diseases with emphasis on primary preventive measures. The course aims at explaining that preventive dentistry is not a technique to prevent dental diseases, but a whole philosophy of practice.

1303583 **Preventive Dentistry 2 (theory)** 1Credit Hour
Pre-request (none)

This course orients the student to consider the patient as a whole entity. Preventive dentistry covers all age groups and groups with special needs. It also compasses three levels of prevention where it prevents diseases before it occurs, stops its progression when they are present, rehabilitates the form and function at the earliest possible time when oral health is deteriorating.

1303587 **Community Dental Health** 1Credit Hour
Pre-request (none)

This course introduces the concepts, principles and methods of epidemiology to dental caries, periodontal disease and other oral conditions. It also cover the assessing needs of the community, data analysis and planning and implementation of community programs.

1303473 **Orthodontics 1 (theory)** 2Credit Hours
Pre-request (none)

The course introduces the concepts of orthodontics. It emphasizes the craniofacial development & facial growth. Development of normal occlusion is explored as well as the etiology & classification of malocclusion. Special attention is paid to biomechanical principles and tissues reactions. Orthodontic assessment, diagnostic aids, treatment planning and interception. Treatment of some types of malocclusion is presented.

1303474 **Orthodontics 1 (clinical)** 1Credit Hour
Pre-request (none)

The course familiarizes the student through laboratory work with instruments & materials used in the construction of removable orthodontic appliances. Student is trained to acquire skills needed for the construction of these appliances.

1303573
Pre-request (none)

Orthodontics 2 (theory)

1 Credit Hour

This course introduces the student to the principles of treatment of different types of malocclusion. Diagnoses, materials and techniques used are discussed. Also, treatment of special cases is presented.

1303574
Pre-request (none)

Orthodontics 2 (clinical)

1 Credit Hour

The course introduces the student to clinical experience by treating simple orthodontic cases. It gives the student the opportunity to acquire the necessary skills for examination, assessment, diagnosis and development of treatment plan, treatment and recalls for follow-up of the case.

1303591
Pre-request (none)

Law and Ethics in Dentistry (theory)

1 Credit Hour

This course introduces the student to the profession's code of ethics. It emphasizes the legal and illegal aspects of practice. Also, it discusses the forensic dentistry and its scope.

الخطة الدراسية المعتمدة

**Department of Oral and Maxillofacial Surgery,
Oral Pathology and Periodontology**

1301203 **Oral Histology (theory)** 1 Credit Hour
Pre-request (none)

This course covers the detailed histology of the oral tissues, in addition to the embryonic development of oro-facial structures. Material covered includes the histology and development of enamel, dentine, periodontium, salivary glands, maxillary sinus, oral mucosa and the temporomandibular joint. Also covered in this course is the embryonic development of the face and the early stages of tooth formation.

1301204 **Oral Histology (practical)** 1 Credit Hour
Pre-request (none)

This course aims to provide the students with skills and knowledge to identify histological sections of the oral region. By the end of the course, students should be able to identify different types of histological sections and to identify the histological appearance of all the oral and dental tissues. Head and neck embryology is briefly discussed through seminars prepared and presented by the students.

1301354 **Oral Pathology-1 (theory)** 1 Credit Hour
Pre-request (none)

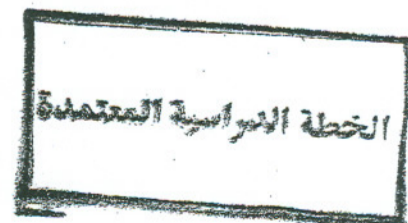
This course introduces the advanced oral pathology design aiming at assisting the student in developing skills in the differential diagnosis of dental diseases and common lesions of the oral cavity like developmental disorders, caries and periodontal disease, cysts, connective tissue lesions and oral epithelial lesions.

1301454 **Oral Pathology-2 (theory)** 1 Credit Hour
Pre-request (none)

This course introduces the advanced oral pathology design aiming at assisting the student in developing skills in the differential diagnosis of dental diseases and common lesions of the oral cavity like white lesions, infections, ulcers, salivary gland disease, odontogenic tumours and bone disorders.

1301352 **Oral Pathology (practical)** 0.5 Credit Hour
Pre-request (none)

This course focuses on the ability of the student to recognize and describe the common lesions of the oral cavity and the region of the head and neck. Also it assists the student in developing a sound rational diagnostic aids and procedures used in differential diagnosis.



1301353 **Dental Radiology 1 (theory)** 1 Credit Hour
Pre-request (none)

This course introduces the basic information of X-ray production, X-ray interaction with material and radiographic image production. The course focuses on the fundamental concepts of patient protection, radiographic techniques and image interpretation.

1301555 **Dental Radiology 2 (theory)** 1 Credit Hour
Pre-request (none)

This course assists the student to understand the scope of radiographic interpretation and its interaction with all other clinical dental sciences. It assists the student in interpreting the radiographs in conjunction with the clinical findings.

1301355 **Introduction to Clinical Dentistry &
Oral Diagnosis (theory)** 1 Credit Hour
Pre-request (none)

This course introduces the clinical dentistry and combines the basic scientific information. It pays special attention to the newer development in history-taking and patient-evaluation techniques, including a review of the diverse approaches now used both in instructional and clinical setting. Also, the course focuses on drugs used in dentistry, occupational hazards and cross infection.

1301356 **Introduction to Clinical Dentistry and
Oral Diagnosis (clinical)** 0.5 Credit Hour
Pre-request (none)

This course familiarizes the student with the dental offices environment and receiving patients. The student is taught to perform a thorough evaluation, taking dental and medical histories, examination of the patients, take necessary intra-oral radiographs, make differential diagnosis and develop a treatment plan that takes all relevant information into account.

1301433 **Periodontics 1 (theory)** 2 Credit Hours
Pre-request (none)

This course provides the student with basics and knowledge related to the anatomy and biology of periodontium. It emphasizes the important role of plaque and certain systemic diseases in the pathogenesis of periodontal diseases.

1301434 **Periodontics 1 (clinical)** 0.5 Credit Hour
Pre-request (none)

This course familiarizes the student with proper approach for taking dental and medical histories. Also, it introduces the student to instruments and methods used to maintain good oral health.

الخطة الدراسية المعتمدة

1301533 **Periodontics 2 (theory)** 1Credit Hour
Pre-request (none)

This course focuses on the management of periodontal diseases by both conservative and surgical methods. It emphasizes the relationship between operative dentistry, Prosthodontics, orthodontic treatment and periodontal involvement.

1301534 **Periodontics 2 (clinical)** 1Credit Hour
Pre-request (none)

This course allows the student to acquire the skills needed for examination, diagnosis, treatment planning and prognosis. It concentrates on invasive methods used to manage the periodontal diseases; mainly, these procedures which are related to different types of surgery including bone grafts and guided tissues regeneration membrane.

1301455 **Oral Medicine 1 (theory)** 2 Credit Hours
Pre-request (none)

This course discusses the principles of oral medicine and their effects on comprehensive treatment planning. The course reviews the common and rare oral conditions and diseases, in additions to exploring orofacial pain, cranial nerve disorders, psychiatric disorders in dentistry and hematological and bleeding disorders.

1301456 **Screening and Oral diagnosis (Practical)** 1Credit Hour
Pre-request (none)

The course provides the student with the opportunity to become familiar with history-taking and case presentation. Also, it familiarizes the student with the common oral conditions and diseases. Certain rare oral conditions and diseased are presented.

1301457 **Dental Radiology 1 (Practical)** 0.5 Credit Hour
Pre-request (none)

This course aims to teach the students how to perform basic intraoral radiographs and introduce them to normal radiographic anatomy. This course also makes the students able to choose the proper radiographic technique for certain clinical situations and identify clinical acceptable radiographs.

1301553 **Oral Medicine 2 (theory)** 1Credit Hour
Pre-request (none)

This course reviews the oral manifestations of certain systemic diseases, endocrinopathy and AIDS. It pays special attention to management of medically compromised patients and medical emergencies in dentistry.

الخطة الدراسية المعتمدة

الخطة الدراسية المعتمدة
1 Credit Hour

1301556
Pre-request (none)

Oral Medicine (Practical)

1 Credit Hour

This course emphasizes the principles of oral medicine, oral diagnosis, investigations, differential diagnosis and treatment planning of oral diseases through case presentations and scheduled seminars. In additions, students are required to prepare projects on various oral medicine topics.

1301463
Pre-request (none)

Anesthesiology (theory)

1 Credit Hour

This course reviews the anatomy of the oral and peri-oral structures with emphasis on the trigeminal nerve. In addition to exploring the neurophysiology of nerve impulse transmission, it pays special attention to pharmacology of local anesthetic agents and various types and technical procedures of local anesthesia administration and their complications. It also includes general anesthesia and intra-venous sedation in oral surgery.

1301465
Pre-request (none)

Oral and Maxillofacial Surgery 1 (theory)

2 Credit Hours

The course reviews the principles of oral surgery and sterilization. In addition to exploring exodontia and related subjects (anatomical considerations, instruments, techniques, instructions and complications), it discusses the basic principles of surgical extraction and special cases are presented.

1301466
Pre-request (none)

Oral and Maxillofacial Surgery 1 (clinical)

1 Credit Hour

This course familiarizes the student with local anesthesia techniques, instruments and methods used for simple cases of extraction of teeth with emphasis on history-taking (dental and medical).

1301563
Pre-request (none)

Oral and Maxillofacial Surgery 2 (theory)

2 Credit Hours

This course familiarizes the student with the treatment and management of pyogenic infection of soft tissues and inflammatory diseases of the bone. It also discusses the surgical procedures used in managing lesions of the oral cavity including soft tissue swellings, lesions of the jaws, odontogenic tumors, cysts of the jaws, tumors of the oral cavity, and the salivary glands disorders. The course emphasizes the interaction of oral surgery with other dental and medical specialties, with special attention paid to TMJ dysfunction, Implantology and injuries of the head and neck.

1301564
Pre-request (none)

Oral and Maxillofacial Surgery 2 (clinical)

1 Credit Hour

In addition to training and acquiring skills needed for exodontia, this course offers the student the opportunity to assist and observe minor surgical procedures carried out under local anesthesia or intra-venous sedation and major surgical procedures carried out under general anesthesia.

Department of Conservative Dentistry

1302103 **Descriptive Dental Anatomy (theory)** 1Credit Hour
Pre-request (none)

This course explores the morphology of teeth and their supporting tissues "detailed description of the structure and external shape of each individual tooth, both primary and permanent teeth". It also describes eruption of teeth and resorption and exfoliation of primary teeth, also occlusion is discussed.

1302104 **Descriptive Dental Anatomy (practical)** 1Credit Hour
Pre-request (none)

This course aims to assist the student to acquire skills and knowledge related to the dental anatomy through drawing , carving of selected permanent teeth and through identification of natural teeth both permanent and primary.

1302303 **Occlusion (theory)** 1Credit Hour
Pre-request (none)

This course discusses the principles of occlusion with emphasis on the anatomy and physiology of occlusion. It pays special attention to its understanding to the different fields of dentistry and its interaction with other dental sciences and specialties.

1302221 **Dental Materials 1 (theory)** 1Credit Hour
Pre-request (none)

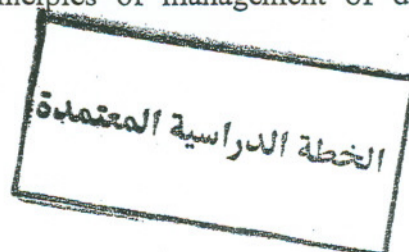
This course discusses the biological, chemical, and physical properties of biomaterials used in dentistry and their applications.

1302421 **Dental Materials 2 (theory)** 1Credit Hour
Pre-request (none)

This course deals with the most common materials used in dentistry. It emphasizes the handling and the appreciation of the various properties of these materials during clinical work. Dental materials related to laboratory work are also discussed, and the student is assisted in understanding and developing good knowledge of these materials used by the technician to satisfy the specific requirements of patients.

1302315 **Conservative Dentistry 1 (theory)** 2 Credit Hours
Pre-request (none)

This course discusses the process of caries and its control by preventive and conservative techniques. It emphasizes the sound understanding of the basic principles of management of dental caries and placement of different restorative materials.



1302316 **Conservative Dentistry 1 (practical)** 2 Credit Hours
Pre-request (none)

This course introduces the student to explore and understand materials and instrument used in restoration of teeth with emphasis on patient and practitioner position during treatment. This course assists the student to apply performance to operative procedures and cavity preparation on simulator.

1302317 **Conservative Dentistry 2 (theory)** 1 Credit Hour
Pre-request (none)

This course discusses the anatomy, histology biology and physiology of the dental pulp and its reaction to any type of aggression and aging. It pays special attention to diagnosis of pulp pathology and discusses the conventional and modern technique used in Endodontics.

1302320 **Conservative Dentistry 2 (practical)** 2 Credit Hours
Pre-request (none)

This course is designed to give students the basic manual dexterity to perform all phases of root canal treatment on anterior and posterior teeth and understand the indications and contraindications of endodontic therapy and the role to be played to maintain the patient's dentition in conjunction with other dental discipline.

1302415 **Conservative Dentistry 3 (theory)** 2 Credit Hours
Pre-request (none)

This course aims at introducing the student to clinical conservative dentistry through reviewing the basics and principles of conservative dentistry. It emphasizes the importance of case evaluation, diagnosis and developing treatment plan, considerable emphasis is given to new restorative procedures and related dental materials.

1302416 **Conservative Dentistry 3 (clinical)** 6 Credit Hours
Pre-request (none)

This course introduces the student to clinical training and patient treatment. By fulfilling certain clinical requirements, the student and throughout the course is assisted to acquire the clinical skills needed for examination of the patient, assessment, diagnosis, developing sound treatment planning, restoration of teeth and root canal therapy.

1302417 **Conservation Dentistry 4 (theory)** 1 Credit Hour
Pre-request (none)

This course discusses the principles of fixed prosthesis including casted gold restorations, crowns and bridges. The course explores the various dental materials, equipment, procedures and techniques (clinical and laboratory work) used to construct the different types of fixed prosthesis and casted gold restorations.

الخطة الدراسية المعتمدة

1302420 **Conservative Dentistry 4 (practical)** 2 Credit Hours
Pre-request (none)

This course assists the student during the training and working on simulator to acquire skills necessary for the preparation of crowns and bridges and casted gold restorations. The student is given the opportunity to demonstrate understanding of the techniques in the preparation of teeth and laboratory work.

1302513 **Conservative Dentistry 5 (theory)** 2 Credit Hours
Pre-request (none)

This course discusses advances achieved in the field of conservative dentistry. It emphasizes the close relationship between conservative dentistry and other fields of dental sciences including Periodontic and oral surgery. The course pays special attention to occlusion, TMJ Dysfunction and its management, emergency treatment with emphasis on the role of Endodontics.

1302514 **Conservative Dentistry 5 (clinical)** 6 Credit Hours
Pre-request (none)

This course provides the student with the opportunity to cover training in all the scope of conservative dentistry (operative, Endodontics, crowns and bridges) and to develop a comprehensive treatment plan according to the special requirement of the patient. The course pays special attention to the joint diagnosis and treatment planning closely made up by different dental disciplines.



Department of Removable Prosthodontics



1304343 **Prosthodontics 1 (theory)**
Pre-request (none)

This course discusses the principles of removable Prosthodontics. Besides reviewing the relevant anatomy and physiology of the craniofacial region and occlusion, it explores equipment, instruments, materials and various steps of procedures and techniques used for the construction of complete and partial removable dentures with interest to characterization of dentures basis for esthetics.

1304344 **Prosthodontics 1 (practical)** 4 Credit Hours
Pre-request (none)

Throughout the course; by talks, demonstration and laboratory work the student is assisted to understand and to construct step by step complete and removable partial dentures. The course emphasizes the well understanding of dental materials used, their manipulation and technical work achieved by both the practitioner and the technician.

1304445 **Prosthodontics 2 (theory)** 2 Credit Hours
Pre-request (none)

This course aims at introducing the student to clinical Prosthodontics through reviewing the basics and principles of removable prosthesis. It emphasizes the importance of selection of the case by examination, evaluation, diagnosis and treatment planning. It also explores the steps of construction (clinical and technical in laboratory), materials and equipment used starting by preparing the mouth for prosthesis and ending by denture insertion, post-insertion and recalls.

1304446 **Prosthodontics 2 (clinical)** 2 Credit Hours
Pre-request (none)

This course provides the opportunity to the student to acquire clinical skills needed for the construction of removable dentures. The student is assisted to treat clinical cases and to construct conventional types of removable prosthesis.

1304543 **Prosthodontics 3 (theory)** 2 Credit Hours
Pre-request (none)

This course discusses problems and management of post-insertion complaints of the Prosthodontic patients. The course explores the special cases requiring removable prosthesis and proposes solutions and modified techniques and appliances. It pays special attention to those various techniques conditioned by the existing anatomical structures and socioeconomic factors. The course also discusses the interaction of Prosthodontics with other dental sciences and specialties with emphasis on T.M.J dysfunction and Implantology.

1304544

Prosthodontics 3 (clinical)

4 Credit Hours

Pre-request (none)

Throughout the course and by treating clinical prosthodontic cases, the student is assisted to acquire the necessary skills in patient examination and assessment, diagnosis, treatment planning and construction of different types of removable dentures. It emphasizes management of special cases with understanding of basic principles and their scientific background together with the development of new clinical and technical skills.

الخطة الدراسية المعتمدة