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كلية طب الأسنان FACULTY OF DENTISTRY



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Department of Basic Dental Sciences

BDS121 Dental anatomy I

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite ---

Introduction and nomenclature, Maxillary and Mandibular permanent central incisor, and lateral incisor, Maxillary and Mandibular permanent canine, Pulp cavities of the anterior teeth, Maxillary and Mandibular first and second premolar, Pulp cavities of the premolars, maxillary first and second molar, maxillary and mandibular third molar,

BDS122 Dental anatomy II

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **BDS121**

Pulp cavities of the maxillary and mandibular molars, Deciduous dentition, Essential differences between deciduous and permanent teeth, Occlusion of the deciduous teeth, Permanent mandibular first molar, second molar, mandibular third molar, Physiologic tooth form, Protecting the periodontium, Geometric concepts of crown outlines with introduction about the TMJ and oral physiology.

BDS211 Oral biology I

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite ---

Stages of tooth development, Growth of teeth and bio-mineralization, Amelogenesis, Dentinogenesis, Tooth enamel, Tooth dentine,

Embryology, Development of face and oral cavity,

BDS212 Oral biology II

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **BDS211**

Tooth cementum, Alveolar process, Dental pulp, Oral mucous membrane, Salivary glands, Growth and development of maxilla and mandible, Tooth eruption, Shedding of deciduous teeth, Maxillary sinus and lymph drainage.

BDS331 Oral pathology I

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **BDS212**

Developmental Anomalies of Teeth. Dental Caries. Diseases of The Pulp. Cysts of Oral and Para-oral Region. Osteomyelitis. Bone diseases. White and Precancerous Lesions.

BDS332 Oral pathology II

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **BDS331**

Non-Odontogenic Tumors and Tumor-Like Lesion. Odontogenic Tumors. Salivary Glands Tumors. Metabolic and Endocrinal Disturbances. Developmental Anomalies of Oral Tissues. Viral, Bacterial and Mycotic Lesions. Giant Cell Lesions. Oral Manifestations of AIDS. Etiology of Oral Cancer. Pigmentation of the Oral Mucosa.



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Resorption of Teeth.

BDS341 Oral radiology I

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite ---

Concepts of Radiology Imaging. Production of X-ray. The X-ray machine, Radiographic Techniques and Procedures.

BDS342 Oral radiology II

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **BDS341**

Special Imaging Techniques. Concepts of panoramic radiography, Troubleshooting panoramic techniques, Special radiographic techniques. Radiation Health. Radiographic Image Interpretation. laser usage in dentistry.

BDS351 Nanodentistry

2 Cr. Hrs. = (1 LCT + 0 TUT + 3 LAB + 0 OTH) – SWL = 120 – ECTS = 4

Prerequisite ----

Introduction to nanodentistry. The structure of material and physical properties. The different types of dental material. The usage of

nanodentistry. The scope and the future of nanodentistry.

BDS261 Genetics

1 Cr. Hrs. = (1 LCT + 0 TUT + 0 LAB + 0 OTH) – SWL = 45 – ECTS = 2

Prerequisite ----

Introduction to genetics. Structure of the human genome. Cell cycles and its regulation. Mitosis and Meiosis. Chromosomal anomalies. DNA structure & replication. RNA transcription. Inheritance. Autosomal and sex-linked diseases. Genetic mutations and cancer.

BDS371 Nutrition

1 Cr. Hrs. = (1 LCT + 0 TUT + 0 LAB + 0 OTH) – SWL = 45 – ECTS = 2

Prerequisite ----

Food Pyramid. Significance of balanced diet in relation to oral health. Effect of vitamins, minerals, trace elements, and antioxidants on oral health. Synergistic action of vitamin D and calcium on bone homeostasis. Effect of diet on the prevalence of caries and periodontal disease. Geriatric and pediatric nutrition awareness and oral health.



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Department of Prosthetic Dentistry

PDD131 Dental biomaterials I

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite - - -

Introduction: Scope of the Course: Objective, Requirements. Physical Properties. Mechanical Properties. The Structure of Perfect Solids. Polymers & Polymerization.

PDD132 Dental biomaterials II

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **PDD131**

Introduction, Impression materials (Non-elastic impression materials, Elastic impression materials), Gypsum products, Model and die materials, Dental waxes, Investing and casting procedures (Dental casting investments, casting procedures and casting defects),

PDD211 Removable prosthodontics I

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **PDD132**

- Introduction, Anatomical landmarks, Trays, Casting, Record blocks, Mandibular movements, Jaw relation, Articulators, Selection of teeth, Arrangement of teeth.

PDD212 Removable prosthodontics II

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **PDD211**

Complete Denture. Arrangement of teeth, Posterior palatal seal, Relief, Denture processing, Retention, Repair, Maxillofacial prosthetics.

PDD221 Fixed prosthodontics I

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **PDD132**

Introduction Terminology, basic principles of tooth preparation, Preparation of full metal cast crown, Ceramo-metal preparations, Onlay Preparations. Partial coverage preparations

PDD222 Fixed prosthodontics II

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **PDD221**

Working Casts and Removable Dies. Dental Waxes and Waxing Procedures. Casting finishing polishing, Pontics. Fixed Partial Denture Connectors. Occlusion in fixed prosthodontics. Porcelain Inlay and Onlay Preparations.



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PDD233 Dental biomaterials III

2 Cr. Hrs. = (**1** LCT + **0** TUT + **2** LAB + **0** OTH) – SWL = **105** – ECTS = **4**

Prerequisite **PDD132**

Denture base polymers, Denture lining materials, Dental amalgam, Restorative casting metals, Base metal casting alloys for removable prosthetics, Stainless steel, Metal joining in dentistry, Dental cements, Direct esthetic restorative materials, Dental porcelain. Dental ceramics.

PDD271 Occlusion

2 Cr. Hrs. = (**2** LCT + **0** TUT + **0** LAB + **0** OTH) – SWL = **90** – ECTS = **4**

Prerequisite - - -

Mandibular movements, types of articulators, importance of face-bow transfer, mounting casts on the articulator. Functional anatomy of masticatory system, Biomechanics of mandibular movements.

PDD313 Removable prosthodontics III

2 Cr. Hrs. = (**1** LCT + **0** TUT + **2** LAB + **0** OTH) – SWL = **105** – ECTS = **4**

Prerequisite **PDD212**

Removable Partial Denture. Introduction to removable partial denture, Classification, Components of partial denture, Base, Occlusal rests and similar parts, Direct retainers, Indirect retainers, Connectors, Stress breakers, Principles of designing, Materials used in partial dentures, Acrylic removable partial dentures.

PDD314 Removable prosthodontics IV

2 Cr. Hrs. = (**1** LCT + **0** TUT + **2** LAB + **0** OTH) – SWL = **105** – ECTS = **4**

Prerequisite **PDD313**

advanced preparation for overdenture and advanced design for partial denture.

PDD323 Fixed prosthodontics III

2 Cr. Hrs. = (**1** LCT + **0** TUT + **2** LAB + **0** OTH) – SWL = **105** – ECTS = **4**

Prerequisite **PDD222**

Impression Materials. Final Impressions, Interocclusal record (Bite registration). Tissue management methods, Provisional restorations. Ceramo-metal restorations (metal alloys, framework designs and porcelain application)

PDD324 Fixed prosthodontics IV

2 Cr. Hrs. = (**1** LCT + **0** TUT + **2** LAB + **0** OTH) – SWL = **105** – ECTS = **4**

Prerequisite **PDD323**

Color science and shade selection, All Ceramic Restorations, Machined Ceramic Restorations. Porcelain Laminate Veneers. Restoration of Endodontically treated teeth

PDD552 Geriatric dentistry

2 Cr. Hrs. = (**1** LCT + **0** TUT + **2** LAB + **0** OTH) – SWL = **105** – ECTS = **4**

Prerequisite - - -

Introduction to geriatric dentistry. The importance of geriatric dentistry field. Different types of elder cases according to the mental state. How to control and handle the elder patients. The special hazards from the dental care to the elders.



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PDD353 Forensic dentistry

2 Cr. Hrs. = (1 LCT + 0 TUT + 3 LAB + 0 OTH) – SWL = 120 – ECTS = 4

Prerequisite - - -

Introduction to forensic dentistry. The scope of forensic dentistry. The role of the dentist to investigate different cases. Different prints can be done by oral cavity. The analysis of DNA and its role in forensic dentistry.

PDD415 Removable prosthodontics V

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **PDD314**

Clinical Complete Denture. Introduction to removable prosthodontics, Diagnosis & treatment planning, Impressions, Mandibular movements, Maxillomandibular relation, Selection of Teeth, Trial of dentures, Denture delivery, Post insertion complaints, Relining and rebasing, Repair and additions.

PDD416 Removable prosthodontics VI

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **PDD415**

Clinical Removable Partial Dentures. Introduction to partial dentures, Diagnosis and treatment planning, Mouth preparation, Impression for RPD, Jaw relations, Trial and adjustments, Delivery and adjustments,

Post insertion care, Relining of RPD, Repairs and additions.

PDD425 Fixed prosthodontics V

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **PDD324**

Diagnosis and treatment planning. History taking, clinical examination, radiographic examination, charting, diagnostic casts and diagnostic Wax-Up. Try-in , Cementation in fixed prosthodontics , Post insertion care and follow up.

PDD426 Fixed prosthodontics VI

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **PDD425**

Advanced Occlusion. Advanced preparation for tilted teeth , telescopic preparations and advanced design for partial denture. . Resin- Retained fixed partial dentures.

PDD517 Removable prosthodontics VII

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **PDD416**

Maxillofacial Prosthodontics. Introduction, Congenital cleft palate, Acquired cleft palate, Splints, Stents, Mandibular resection, Radiotherapy.



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PDD518 Removable prosthodontics VIII

2 Cr. Hrs. = (**1** LCT + **0** TUT + **2** LAB + **0** OTH) – SWL = **105** – ECTS = **4**

Prerequisite **PDD517**

Advanced Prosthodontics. Geriatrics, Speech, Single dentures, Over dentures, Immediate dentures, Swing lock RPD, Prosthetic attachments, TMJ, Implant dentures.

PDD527 Fixed prosthodontics VII

2 Cr. Hrs. = (**1** LCT + **0** TUT + **2** LAB + **0** OTH) – SWL = **105** – ECTS = **4**

Prerequisite **PDD426**

Fixed Partial Denture Designs. Esthetics in fixed prosthodontics. Management of extensively damaged teeth. Prosthetic aspects of dental implants. Failures of fixed partial dentures.

PDD528 Fixed prosthodontics VIII

2 Cr. Hrs. = (**1** LCT + **0** TUT + **2** LAB + **0** OTH) – SWL = **105** – ECTS = **4**

Prerequisite **PDD527**

Considerations for periodontally compromised teeth. Preparations for Special Situations. Fixed Partial Denture Repair. Fixed Partial Denture Removal. Orthodontic Adjuncts to Prosthodontics. Post insertion Care and Follow up.

PDD561 Esthetic Dentistry I

2 Cr. Hrs. = (**1** LCT + **0** TUT + **2** LAB + **0** OTH) – SWL = **105** – ECTS = **4**

Prerequisite - - -

Introduction to esthetics in dentistry. The explanation of the esthetic zone. The different smile design techniques. Restorations for restoring esthetic zone..

PDD562 Esthetic Dentistry II

2 Cr. Hrs. = (**1** LCT + **0** TUT + **2** LAB + **0** OTH) – SWL = **105** – ECTS = **4**

Prerequisite **PDD561**

The psychology effect behind esthetic restoration?

PDD371 Dental Photography

2 Cr. Hrs. = (**1** LCT + **0** TUT + **3** LAB + **0** OTH) – SWL = **120** – ECTS = **4**

Prerequisite - - -

Introduction to dental photography. Equipment selection. Extraoral Photography. Intraoral and mirror photography. Image editing. Incorporating images in documents and presentation slides
Sharing images and storage.



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Department of Conservative Dentistry

CDD211 Operative dentistry I

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **PDD132**

Objectives of Operative Dentistry, Dental Caries and Locations. Classification of Cavities, Nomenclature and Terminology. – Principles of Cavity Preparation. Outline form, Resistance form, Retention form, Convenience form, Removal of decay, Finishing of enamel margin, Cavity debridement. Cavity Preparation for Amalgam. Class I cavity preparation, Class II cavity preparation, Class V cavity preparation. Instruments and instrumentation. Hand cutting instruments.

CDD212 Operative dentistry II

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **CDD211**

Cavity Preparation for Amalgam, Composite Glass Ionomer Restoration, and Gold Inlay. Class I, II and V.

CDD221 Endodontics I

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **CDD211**

Introduction to Endodontics. History, Scope of endodontics, Modern endodontic. Principles of Endodontic radiography. Pulp space Anatomy and Access cavities. Nomenclature. Types of canal configurations, Pulp space anatomy of upper and lower teeth, Alterations in internal anatomy.

CDD313 Operative dentistry III

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **CDD212**

Introduction to Direct Composite Restoration, Posterior Composite Resin Restorations, Anterior Composite Restorations, Management of Dentin Hypersensitivity. Leakage of restorative materials.

CDD314 Operative dentistry IV

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **CDD313**

Preliminary Considerations in Operative Dentistry , Biological Considerations in Operative Dentistry, Treatment Plan, Minimal Invasive Operative Dentistry Concepts.

CDD322 Endodontics II

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **CDD221**

Endodontic Instrument. Cleaning and shaping of Root Canal System. Obturation of Root canal system. Endodontic Radiography and radiographic interpretation.

CDD323 Endodontics III

2 Cr. Hrs. = (1 LCT + 0 TUT + 3 LAB + 0 OTH) – SWL = 120 – ECTS = 4

Prerequisite **CDD322**

Pre-endodontic preparation , Isolation of teeth. Different systems of rotary files. Different methods of instrumentation and



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CDD415 Operative dentistry V

2 Cr. Hrs. = (1 LCT + 0 TUT + 3 LAB + 0 OTH) – SWL = 120 – ECTS = 4

Prerequisite **CDD314**

Introduction to Cariology, Management of Incipient Carious Lesions
Management of Moderate and Deep Carious Lesions

Adhesion to Enamel and Dentin, Glass Ionomer

Restorations

CDD416 Operative dentistry VI

2 Cr. Hrs. = (1 LCT + 0 TUT + 3 LAB + 0 OTH) – SWL = 120 – ECTS = 4

Prerequisite **CDD415**

Esthetic restorations and technique. Treatment of vital discolored
. Indirect Restorations, Dentine adhesives. Direct & Indirect teeth
Laminate Veneers.

CDD424 Endodontics IV

2 Cr. Hrs. = (1 LCT + 0 TUT + 3 LAB + 0 OTH) – SWL = 120 – ECTS = 4

Prerequisite **CDD323**

Pulpal and periapical pathology. Diagnosis and treatment planning
Endodontic microbiology .Endodontic pharmacology and intracanal
medication.

CDD425 Endodontics V

2 Cr. Hrs. = (1 LCT + 0 TUT + 3 LAB + 0 OTH) – SWL = 120 – ECTS = 4

Prerequisite **CDD424**

Vital pulp therapy. Management of open apex. Regenerative
Endodontics Geriatric Endodontics. Endodontic Periodontal
Interrelationship, Perio endo lesions

CDD517 Operative dentistry VII

2 Cr. Hrs. = (1 LCT + 0 TUT + 3 LAB + 0 OTH) – SWL = 120 – ECTS = 4

Prerequisite **CDD416**

Compomers. Operative dentistry and periodontium. Dentine adhesives.
Esthetic restorations. Restoring badly destructed teeth.

CDD518 Operative dentistry VIII

2 Cr. Hrs. = (1 LCT + 0 TUT + 3 LAB + 0 OTH) – SWL = 120 – ECTS = 4

Prerequisite **CDD517**

Attrition; abrasion and erosion; failure of composite resin restorations;
composite inlays; laminate veneers; operative dentistry and
periodontium.

CDD526 Endodontics VI

2 Cr. Hrs. = (1 LCT + 0 TUT + 3 LAB + 0 OTH) – SWL = 120 – ECTS = 4

Prerequisite **CDD425**

Emergency treatment. Traumatic injuries. Root resorption. Procedural
accidents. Endodontic Retreatment . Success and failure

CDD527 Endodontics VII

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **CDD526**

Bleaching Discolored teeth. New technology and advances in
Endodontics. Manipulation of curved canals .Use of microscope in
Endodontics. Use of laser in Endodontics. Surgical Endodontics.



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Department of Oral & Maxillofacial Surgery

OMS 331 Psychology and Hypnosis

2 Cr. Hrs. = (1 LCT + 0 TUT + 3 LAB + 0 OTH) – SWL = 120 – ECTS = 4

Prerequisite ---

Dental anxiety definition and management. Definition of Hypnosis and its role in managing dental anxiety during dental treatment.

OMS411 Oral and maxillofacial surgery I

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite ---

Basic Principles to Oral Surgery. Anatomical Consideration. Local Anaesthesia. Extraction of Teeth. The Use of Elevators in The Extraction of Teeth.

OMS412 Oral and maxillofacial surgery II

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **OMS411**

Impacted Teeth. General Anesthesia in Dentistry. - General Assessment. Preparation and Premedication.

OMS421 Local anesthesia

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite ---

he student will acquire a working knowledge of commonly used local

anesthetic agents, techniques. The course introduces the students to the problems of local anesthesia and indication and contraindications and the chemical structures of the anesthesia.

Oral and maxillofacial surgery III

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **OMS412**

Acute Infections. Deep Infections of the Face and Neck. Osteomyelitis. Cysts of the Jaws. Pre-prosthetic Surgery. Sulcus-Deepening Procedures. Ridge-augmentation. Re-Implantation & Transplantation of Teeth.

Oral and maxillofacial surgery IV

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **OMS513**

Maxillary Sinus Involvement and its Dental Implications. Surgical Correction of Protruding and Receding Jaws. Cleft Lip and Palate. Management of Medically of Compromised Patients in Oral Surgery. Oro-Facial Pain and TMJ Disorders. Affections of the Salivary Glands.



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Tumors of The Oral Cavity. Maxillo-Facial Injuries.

types of implant. The usage of dental implant. The hazard of different implantation methods.

OMS 354 Implant dentistry

2 Cr. Hrs. = (1 LCT + 0 TUT + 3 LAB + 0 OTH) – SWL = 120 – ECTS = 4

Prerequisite - - -

Introduction to implant dentistry. The structure of implant. The different



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Department Orthodontics & Pedodontics

OPD351 Special Care in Dentistry

1 Cr. Hrs. = (1 LCT + 0 TUT + 0 LAB + 0 OTH) – SWL = 45 – ECTS = 2

Prerequisite ---

Introduction to special care in dentistry. The different types of patient require special care. When to refer the special care. Manipulation of the special care cases. How to understand and treat the handy capped patient.

OPD331 Preventive and community dentistry

2 Cr. Hrs. = (2 LCT + 0 TUT + 0 LAB + 0 OTH) – SWL = 90 – ECTS = 4

Prerequisite ---

Introduction, Objectives of the course. Epidemiology. Epidemiological Studies. Measuring of Dental Caries. Biostatistics, Research Methods. Dental Health Education. Epidemiology of Periodontal Diseases.

OPD511 Orthodontics I

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite ---

Introduction to the course and Department. Craniofacial Growth and Developments. A Brief Review of the Embryology of the Stomatognathic System. Theories of Craniofacial Growth Mechanisms. Ossification, Intramembranous & Enchondral. Normal Function of the Oral Cavity. Etiology of Malocclusion. Classification of Malocclusion. The Prevalence of Malocclusion. Diagnostic Procedures (Chart Analysis).

Diagnostic Aids in Orthodontics. Treatment Objectives. Treatment Planning. Study Cast Analysis. Cephalometric Radiography. Cephalometric Analysis. Cephalometric Tracing. Diagnostic Value of Cephalometrics. Cephalometric Analysis Currently Used for Diagnostic Purposes. Steiner's analysis, Tweed diagnostic triangle, Wits' appraisal of Jacobson.

OPD512 Orthodontics II

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite OPD511

Orthodontic Tooth Movement (. Orthodontic Tooth Movement (. Orthodontic Vs Orthopedic Forces. Timing of Orthodontic Treatment. Four phases of growth and four phases of treatment (Bjork's concept), Final Assignment. Seminar, small group setting (5 –6 groups), Each student is asked to prepare a review on diagnosis and treatment planning of different classes of malocclusion, A representative of each group is asked to present a summary of what the group agreed upon as the final perception on the topic, A plenary session is conducted to formulate a final diagnostic chart and treatment planning as perceived by the 5th year class.

OPD521 Pedodontics I

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite CDD416

Introduction, Objectives of the course. Examination, Treatment plan, X-



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ray for the children. Development of the occlusion for children. Interceptive orthodontic treatment. Behavior management of children. Preventive Orthodontic. Restorative Dentistry. Stainless Steel Crown. Formocresol Pulpotomy for Children. Advanced Restorative Dentistry.

OPD522 Pedodontics II

2 Cr. Hrs. = (**1** LCT + **0** TUT + **2** LAB + **0** OTH) – SWL = **105** – ECTS = **4**

Prerequisite **OPD521**

Early childhood Caries. Traumatic Injuries for Anterior Teeth. Pulp

Therapy. Oral Surgery for the Children. Handicapped Children. Periodontal Diseases for the Children. Gingivitis, Periodontal diseases in children.



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جامعة العلمين الدولية

ALALAMEIN INTERNATIONAL UNIVERSITY



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Department of Oral medicine, Periodontology, Diagnosis & Oral Radiology

OMR321 Oral diagnosis I

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite ---

Diagnostic process, Initial interview, Patient history, Examination techniques, Extraoral clinical examination, Oral clinical examination, Clinical and laboratory aids to diagnosis, Diseases of teeth, Diseases of lymph nodes, Diagnosis and differential diagnosis of oral ulcers, Diagnosis and differential diagnosis of red and white lesions, Biopsies, Cheilitis, Tongue changes, Orofacial pain.

OMR322 Oral diagnosis II

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite OMR321

Identification of Dental, Mandible, Maxilla, Skull, Mass disaster, Sex, Race, Occupation, Habits, Genetic markers. Dental Record, Post mortum, Bite Marks, Oral Trauma, Soft tissue trauma, Bone injuries, Medical Ethics, Malpractice.]

OMR341 Laser in dentistry

2 Cr. Hrs. = (1 LCT + 0 TUT + 3 LAB + 0 OTH) – SWL = 120 – ECTS = 4

Prerequisite ---

Introduction to laser in dentistry. The structure of laser and physics behinds. The different types of dental laser. The usage of dental laser. The hazard of different types of laser.

OMR351 Infection control in dentistry

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite ---

Introduction to the infection control. The importance of infection control. Methods of cross infection in dental clinics. Different methods for infection control and sterilization. Prevention of infection via lab work. Different types of detergents. Different types of autoclaves.

OMR411 Oral medicine I

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite BDS332

Oral Mucosal Disease. Ulcerative, Vesicular, and Bullous Lesions. Red and White lesions of the Oral Mucosa. Pigmentation of the Oral Tissues. Diseases of the Tongue. Orofacial Pain and Temporomandibular Joint Disease. Salivary Gland Disease.



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OMR412 Oral medicine II

2 Cr. Hrs. = (1 LCT + 0 TUT + 2 LAB + 0 OTH) – SWL = 105 – ECTS = 4

Prerequisite **OMR411**

Systemic Disease: Diseases of the Cardiovascular system. Diseases of the Gastrointestinal Tract. Diseases of the liver. Renal Disease. Leukocyte disorders. Red blood cell disorders. Bleeding and Clotting Disorders. Immunologic Diseases. Endocrine Disease and Dysfunction. Diabetes. Sexually Transmitted and Blood Borne Infections.

OMR431 Periodontics I

2 Cr. Hrs. = (1 LCT + 0 TUT + 3 LAB + 0 OTH) – SWL = 120 – ECTS = 4

Prerequisite - - -

The Normal Periodontium. Classification & Epidemiology. Etiology of Periodontal diseases. Periodontal Pathology. Treatment of Periodontal

disease.

OMR432 Periodontics II

2 Cr. Hrs. = (1 LCT + 0 TUT + 3 LAB + 0 OTH) – SWL = 120 – ECTS = 4

Prerequisite **OMR431**

This course addresses clinical periodontal charting, diagnosis, plaque control aids, principles of periodontal surgery, and treatment of periodontal diseases: prognosis, treatment plan. Also, this course addresses clinical gingival curettage, gingivectomy technique, periodontal flap and osseous surgery, treatment of furcation involvement, periodontal-endodontic interrelationship, mucogingival surgery, and chemotherapeutic agents.