

توصيف مقررات الخطة الدراسية القديمة

Courses description- Old curriculum

Faculty of Dentistry-Syrian Private University

رئيس الجامعة السورية الخاصة

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First year

First year, 1st level:

Subject: English Language (1) , Credit hours: 3(Theo: 2, Pract: 2):

Course main topics: The module aims at developing students' competencies in general English language. It equips students with tools to meet future academic, professional and life requirements. The module provides general English of a lower-intermediate (pre-intermediate) equivalent to A2 CEF (Common European Framework of Reference for Languages) level. It trains learners to deal with the business of everyday life in the target language, exchange information and ideas with people of the target language, achieve a wider and deeper understanding of the way of life and forms of thoughts of other people (A2 CEF). The course provides natural, real-world grammar and vocabulary helping students to succeed in social, professional, and academic settings. It focuses on communication activities where students learn and practice the language they need to have conversations in English.

Subject: Arabic Language, Credit hours: 2 (Theo: 2, Pract: 0):

Course main topics: This module aims at effectively empowering students' relation with their native language and culture by building capacities in terms of receiving and producing this language. This is achieved by focusing on the skills of reading, writing and speaking. This will eventually make students more able and competent of the language grammar and basic skills. The module has some specific aims of relating Arabic language with students' life and work needs and requirements. The module also aims at relating students' outcomes and abilities to cater for social and professional labor market needs. The module also aims at broadening students' awareness of their own culture and literature through presenting a wide selection of Arabic texts. Students are trained on textual analysis and comprehension. The module also aims at developing students' critical skills.

Subject: Computer Science, Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: Introduction to Computer - Computer components and system operation- Computer programming components- Digital information coding -Digital information transmission and networks -Types of computer networks- Applications of computers and computer networks in the community.

Subject: Physics (1), Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: Introduction of crystals and mechanisms of mineralization, Calcification of bone and dental tissues, Principles of biomechanics, X-ray (principles, generation and properties), Laser (principles, generation and properties), Biology of radiation (effect and prevention), Sonic and ultrasonic waves (Echography), Subsonic waves, Electric current (continuous and alternate) and its application

Subject: General Chemistry, Credit hours: 3 (Theo: 2, Pract: 3):

Course main topics: Properties of Matter, Atomic Structure, Compounds and Bonding, Chemical Reactions, Aqueous Solutions, Acids and Bases, Phases of Matter, Chemical Equilibria, Chemical Kinetics, Thermodynamics, Chemistries of the Various Elements.

Subject: Cell Biology, Credit hours: 2 (Theo: 1, Pract: 2):

Course main topics: Eukaryotic, Prokaryotic and Plant cell-The form of cells- Cell membrane, cell coat- Functions of the cell membrane- Endoplasmic reticulum- Golgi apparatus, Mitochondria- Lysosomes, Residual bodies- Ribosomes, Nucleolus -Cytoskeleton: microtubules, actin filaments, intermediate f. - Cilia and Flagella- Nucleus- Antibody-Mediated immunity- Hypersensitivity (Allergy)- Immunodeficiency.

Subject: Human Dentition (1), Credit hours: 2 (Theo: 1, Pract: 3):

Course main topics: Anatomic landmarks of anterior teeth- Teeth numbering systems- Physiologic and anatomic considerations of tooth- Permanent maxillary central and lateral incisors- Permanent mandibular central and lateral incisors- Permanent maxillary and mandibular canines- Tooth development and eruption -Deciduous teeth.

First year, 2nd level:

Subject: English Language (2), Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: The module aims at developing students' competencies in general English language. It equips students with tools to meet future academic, professional and life requirements. The module provides general English of an intermediate equivalent to B1 CEF (Common European Framework of Reference for Languages) level. It empowers learners' abilities to understand the main points of clear standard input on familiar matters regularly encountered in work, school, leisure, etc. They would be able to deal with most situations likely to arise whilst travelling in an area where the language is spoken. They would be able to produce simple connected text on topics which are familiar or of personal interest as well as describe experiences and events, dreams, hopes & ambitions and briefly give reasons and explanations for opinions and plans.

Subject: Physics (2), Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: The influence of forces on in-vivo body- The exchange of energy and heat- Laser in dentistry and hologram- Physics of human skeleton-XRay in medicine- Radio activity in medicine- Ultra sound and echo in medicine- Hologram in medicine- Traditional light in medicine- Magnetic resonance in medicine.

Subject: Bio-Statistics, Credit hours: 1 (Theo: 1, Pract: 0):

Course main topics: How to use statistics for data analysis-The use of SPSS, a statistical software package (Versions 10 or higher) -Methods for displaying and describing data.

Subject: Organic Chemistry, Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: general principles of organic chemistry, Covalent Bonding and Shapes of Molecules, chemical reactivity, Acids and Bases, Alkanes and Cycloalkanes, Alkenes and Alkynes, Haloalkanes, Alcohols, Ethers, Thiols, carboxylic acids, carboxylic derivatives.

Subject: Animal Physiology, Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: Introduction to physiology, Excitable tissues, Autonomic nervous system, Blood, Immune system, & Lymphatic system, Central nervous system, Physiology of Sense Physiology of Reproduction.

Subject: Botany and Genetics, Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: Hereditary and molecular genetics as it applies to human-The transmission genetic-The human genome project-Identification and cloning of human disease genes -Modern technologies for genome analysis-Personal genomics cancer genomic-Genetic of cells-Genetic of development - Mendel's genetic- the genetic of sex- genetic technology.

Subject: Human Dentition (2), Credit hours: 2 (Theo: 1, Pract: 2):

Course main topics: Anatomic landmarks of posterior teeth- Physiologic and anatomic considerations of tooth- Permanent maxillary premolars and molars –Permanentmandibular premolars&molars- Tooth development and eruption –Deciduous teeth (anatomically).

Subject: Histology, Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: Introduction to Histology and its methods of study- Epithelial tissue- Glandular epithelia- Connective tissue (cell; fibers; Ground substance) -Types of connective tissue(Connective tissue proper.)- Cartilage- Bone- Muscle tissue -The blood- Lymphoid organs-Muscle tissue -Nerve tissue- the nervous system.

Second year

Second year, 3rd level:

Subject: English Language 3 (ESP and Medical Terminology), Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: Dental and medical prefixes -Dental and medical suffixes-Translation of dental articles.

Subject: Biochemistry (1), Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: An introduction to the biochemistry for dental students - CHO and their derivatives important to dentistry- Lipids and their derivatives important in cells and tissues- AA, peptides, and proteins and structures and constituents - Enzymes and coenzymes and their constituents - Molecular biology (Nucleotides, DNA and replication, RNA, Protein biosynthesis, Genetic engineering, PCR).

Subject: Microbiology, Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: Fundamental aspects of microbiology (microbial cells, its morphology, physiology and genetics)-The biology of microbes of the major diseases and microbes involved in oral lesions, and dental caries, periodontal tissues and endodonte infections - Antibacterial, antiviral, and antifungal agents- Mycology with emphasis on oral infections-Parasitology, with emphasis on public health.

Subject: General Anatomy, Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: Basic concepts ;defined anatomy and anatomical terminology- Basic concepts; basic structures of the skin, fasciae muscle joints, bone marrow, bone cartilage- Axial skeleton – Skull Vertebral column Thoracic cage- Appendicular skeleton- Upper limbs (arms)Pectoral girdle (shoulder)Lower limbs (legs) Pelvic - Muscular System- cardiovascular & lymphatic system- Respiratory system- Digestive System- pelvic cavity (urinary tract - the reproductive system)- Nervous System- Endocrinology.

Subject: General Physiology (1), Credit hours: 4 (Theo: 3, Pract: 2):

Course main topics: the Blood-Cardiovascular system- Urinary system-Respiratory system-Nervous system-Motor system--Endocrine system- Digestive System.

Subject: Oral Biology (1), Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: Gametogenesis -First week of development- Second week of development: Bilaminar Germ Disc- Third week of development: Trilaminar Germ Disc- Third to eighth week: the Embryonic period -Third month to birth: The fetus and placenta- Birth defects and prenatal diagnosis- Head and neck.

Subject: Dental Biomaterials (1), Credit hours: 2 (Theo: 1, Pract: 2):

Course main topics: Physical and mechanical properties of prosthetic dental materials-Composition, properties and manipulations of the following dental materials: gypsum, impression materials, dental wax, dental acrylic resins, metal alloys, ceramic types, and dental implants.

Second year 4th level:

Subject: Biochemistry (2), Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: Introduction to study metabolism in cells-Intermediary metabolism and energy producing compounds and energy output- Metabolism of CHO and biosynthesis- Metabolism of fat and biosynthesis- Metabolism of AA and its fate- Hormones of pituitary gland (TSH,FSH, LH, GH, Prolactin, ACTH)- Adrenal steroid and gastro-intestinal hormones.

Subject: General Pathology, Credit hours: 3 (Theo: 2, Pract: 3):

Course main topics: causes of diseases and the impact of environmental factors, genetic and immunological factors - Diseases, metabolic disorders and blood circulation- Inflammation and infection- Hyperplasia and tumors.

Subject: Head & Neck Anatomy, Credit hours: 3 (Theo: 2, Pract: 3):

Course main topics: Basic concepts defined head and neck anatomy and anatomical terminology- Landmarks of the face and oral cavity- Cranial bones (Occipital - Frontal –Sphenoid- Ethmoid – parietal- Temporal)- Facial bones(vomer -Mandible -lacrima -nasal-Inferior nasal concha- Zygomatic-Maxillary-palatine) - Fossa of the skull -Cervical Vertebrae, the Hyoid bone- Muscles of facial expression- Muscles of mastication- Hyoid muscles - Trigeminal nerve- Facial nerve- Blood supply to the head and neck- Lymphatic system of the head and neck.

Subject: General Physiology (2), Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: Composition and function of the blood- Function of red blood cells (Erythrocytes)-Function of white blood cells (Leucocytes)- Blood groups & blood transfusion- Intrinsic conduction system in the heart-Cardiac cycle- Blood vessels & blood pressure- Digestive system & accessory glands -Control of the digestive system- Digestion & absorption- Urinary system - Glomerular filtration.

Subject: Stomatognathic Physiology, Credit hours: 2 (Theo: 1, Pract: 2):

Course main topics: Oral environment- Physiology of masticator system- Mastication- Swallowing- Speech- Oro-facial sensations- Pain- Touch- Temperature- Pressure- Taste and smell- Oro-facial motor functions- Pulp-dentin-complex.

Subject: Oral Biology (2), Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: General embryology- Head and neck development- Face development- Biology of dental germ development- Dental apposition- Dental maturation- Tooth eruption and shedding.

Subject: Oral Histology, Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: Dental and oral embryology- Hard dental tissues- Soft dental tissues- Periodontal tissues- Oral epithelium- Salivary glands- Temporomandibular joint.

Third year

Third year 5th level:

Subject: Scientific Thinking, Credit hours: 1 (Theo: 1, Pract: 0):

Course main topics: The module is aimed at developing learners' systematic and scientific thinking that reflects on daily life, study and work. Based on some thinking techniques and strategies the module empowers learners to build their logic and objective thinking abilities. Eventually, this reflects on their study performance and research skills. The module encourages students to be more of independent learners, able of investing and researching different information sources in order to reach for answers to their enquiries or possible research. Possessing such skills creates learners able of solving problems in creative manners. The module is empowered by the philosophy of making better graduates that can positively reflect on the community, labor market and scientific research.

Subject: Oral Pathology (1), Credit hours: 2 (Theo: 1, Pract: 2):

Course main topics: Disorders of the teeth, Disorders of and within jaw bones, Disorders of the tooth supporting structures, Salivary gland diseases (Non-neoplastic), Disorders of oral mucosa.

Subject: Pharmacology, Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: Introduction- Oral and dental therapy techniques-Oral deodorants-Oral and dental anti infection medicaments- Oral and dental oxidizing agents.

Subject: Operative Dentistry (Pre-clinical 1), Credit hours: 3 (Theo: 1, Pract: 4):

Course main topics: Introduction & nomenclature of Operative Dentistry-Amalgam as a restorative material- Instruments and equipments for restorative dentistry-Tooth preparation fundamentals-Class one amalgam cavity preparation- Class one extended amalgam cavity preparation-Class one amalgam restoration-Class two preparation-Large class two cavity preparation-Class two amalgam restoration-Class five preparation and restoration-Class and six preparation and restoration-Direct gold restoration.

Subject: Removable Prosthodontics (Technology 1), Credit hours: 4 (Theo: 2, Pract: 6):

Course main topics: The Glossary of Prosthodontic Term- Anatomy of Jaws and its relationship to the stages of making complete denture- Stages of making the complete denture.

Subject: Fixed Prosthodontics (Technology 1), Credit hours: 2 (Theo: 1, Pract: 3):

Course main topics: full preparation of posterior tooth for metallic crown -Preparation of anterior tooth for Jacket crown-Impressions-Plaster cast-Investing-Casting.

Third year 6th level:

Subject: Behavioral Psychology, Credit hours: 1 (Theo: 1, Pract: 0):

Course main topics: Psychic apparatus- Developmental stages in children- Behavior problems at dental clinic- Child behavior management techniques- Fear and anxiety- Phobia disorders- Pain and its mechanism and how to deal with.

Subject: Dental Biomaterials (2), Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: Introduction to operative Dental Materials- Physical, chemical, mechanical properties of D.M- Esthetic restorative materials- Dental amalgam- Finishing, polishing & cleaning- Preventive dental materials.

Subject: Oral Pathology (2), Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: Methods of study in pathology- Identify the causes of diseases and the impact of factors that affect the structure of the teeth and oral cavity and the neighbor cities thereof- Odontogenic and inflammatory cysts-Odontogenic tumors- Cancerous lesions such as and premalignant lesions in the oral cavity.

Subject: Operative Dentistry (Pre-Clinical 2), Credit hours: 3 (Theo: 1, Pract: 4):

Course main topics: Complex amalgam restorations-Class III, IV, V preparation and restoration with composite.

Subject: Removable Prosthodontics (Technology 2), Credit hours: 4 (Theo: 2, Pract: 6):

Course main topics: Classification of partially edentulous arches- Partially edentulous (Epidemiology, physiology, and terminology)- Components of Removable Partial Denture- Principles of Removable Partial Denture Design- Laboratory procedures for Removable Partial Denture construction- Flexible Removable Partial Denture.

Subject: Fixed Prosthodontics (Technology 2), Credit hours: 2 (Theo: 1, Pract: 3):

Course main topics: Fixed partial denture preparations- restoring badly destructed teeth -Post and core crowns-Gingival retraction- Impressions (materials & technique)-Occlusal registration-Materials used in fixed Prosthodontics –Flow up patient- Types of fixed Prosthodontics.

Subject: Public Health Community Dentistry (Dental Public Health Preventive Dentistry), Credit hours: 2 (Theo: 2, Pract: 0):

Course main topics: Evidence based preventive oral care- Principles and preventive approaches in dental public health- Health promotion- Changing health-related behaviors- Prevention of oral diseases and conditions.

Fourth year

Fourth year, 7th level:

Subject: General Medicine, Credit hours: 2 (Theo: 1, Pract: 1):

Course main topics: Introduction about internal diseases- Cardiology, respiratory diseases and its relation with dentistry - Neurology, respiratory cardiology and diabetic emergencies, blood diseases , coagulation disturbance, Mouth and systemic disease and its relation with dentistry -Myoarthral injuries- sterilization.

Subject: General Surgery, Credit hours: 2 (Theo: 1, Pract: 1):

Course main topics: Wound healing-Most common surgical complications/essentials of surgical critical care-Variou forms of injections- Essential skin biopsies-Wound suturing techniques- Incision and drainage of abscesses - Nasogastric tube insertion/tracheal intubation- Measurement of blood pressure.

Subject: Operative Dentistry (Clinical 1), Credit hours: 2 (Theo: 1, Pract: 3):

Course main topics: Preliminary consideration in operative dentistry- Isolation in restorative dentistry- Caries diagnosis-New caries classification site\stage.

Subject: Removable Prosthodontics (Clinical 1), Credit hours: 3 (Theo: 1, Pract: 4):

Course main topics: Introduction about Prosthodontics-Examination and treatment planning- Preparation of mouth for RPD dentures -Preparation of abutment teeth-Impression materials and procedures for RPD- Support for the distal extension-occlusal relationships for RPD-Laboratory procedures -Initial placement, adjustment, and serving of the RPD.

Subject: Fixed Prosthodontics (Clinical 1), Credit hours: 2 (Theo: 1, Pract: 3):

Course main topics: Clinical and radiographic examination of FPD patient- Treatment planning of FPD patient- Clinical stage of FPD- Management of widely destroyed teeth using posts- pre- fabricated posts- Custom-made posts and cores- Failure classification- Failure management and continuous care of FPD.

Subject: Oral Surgery & Anesthesia (1), Credit hours: 2 (Theo: 1, Pract: 2):

Course main topics: Oral anatomy-Sterilization-Radiographic diagnosis-Anesthesia&extraction.

Subject: Orthodontics (1), Credit hours: 2 (Theo: 1, Pract: 3):

Course main topics: The rationale for orthodontic treatment-The etiology and classification of malocclusion-Management of the developing dentition-Craniofacial growth, the cellular basis of tooth movement and anchorage-Orthodontic assessment-Cephalometry-Treatment planning.

Subject:Diagnosis Radiology& Forensic Dentistry (1), Credit hours: 2 (Theo: 1, Pract: 2):

Course main topics: Projection Geometry, X-ray film, Processing X-ray film- Radiobiology, quality assurance and infection control- Intraoral radiographic examinations- Normal radiographic anatomy- Periapical radiography- Bitewingradiography-Guidelines for prescribing dental radiographs.

Fourth year, 8th level:

Subject: Skin and Venereal disease, Credit hours: 2 (Theo: 1, Pract: 1):

Course main topics: Basics in dermal diseases, . Bacterial diseases, Viral diseases, Genetic diseases, Bullous diseases, Autoimmune diseases, Tumors.

Subject: Ophthalmology & ENT, Credit hours: 2 (Theo: 1, Pract: 1):

Course main topics: Anatomy and physiology of nose and PNS- Diseases of the Nose and PNS- Anatomy and Physiology of oral Cavity and the Oropharynx- Diseases of the oral cavity and the oropharynx- upper respiratory tracts Anatomy- upper respiratory tracts anatomy - Neck masses- Cranial nerves>

Subject: Operative Dentistry (Clinical 2), Credit hours: 2 (Theo: 1, Pract: 3):

Course main topics: Bonding with tooth structure- Posterior composite restoration- Esthetic consideration- Direct and indirect esthetic veneers - Restoration of non- carious cervical lesions- Restoration of endodontically treated teeth.

Subject: Removable Prosthodontics (Clinical 2), Credit hours: 3 (Theo: 1, Pract: 4):

Course main topics: Diagnosis- Impression- Making Jaw relation records- The try-in appointment - Complete denture delivery.

Subject: Fixed Prosthodontics (Clinical 2), Credit hours: 2 (Theo: 1, Pract: 3):

Course main topics: Tooth wear cases and their management- Taking Color and aesthetic considerations- Bite registration and articulators use for FPD- Correlation between FPD and other dental specializations- Biomechanics- Implant-supported FPD.

Subject: Oral Surgery & Anesthesia (2), Credit hours: 3 (Theo: 2, Pract: 2):

Course main topics: Techniques of Maxillary anesthesia -Techniques of mandible anesthesia- Complications of anesthesia - Complication of tooth extraction - Surgical extraction (impacted tooth) - Root extraction -Anesthesia and extraction to patient with high risk diseases -Emergency cases in dental clinic - Flaps in oral surgery.

Subject: Orthodontics (2), Credit hours: 2 (Theo: 1, Pract: 2):

Course main topics: Class I- Class II division- Class II division 2- Class III- Anterior open bite and posterior open bite- Cross bites - Canines- Retention- Removable appliances- Fixed appliances- Functional appliances.

Subject: Diagnosis Radiology& Forensic Dentistry (2), Credit hours: 3 (Theo: 2, Pract: 3):

Course main topics: Guidelines for Prescription of intraoral and extraoral dental radiograph and quality assurance- intra oral examination (occlusal) projection ,Extra oral examination (panoramic radiography) technique, normal anatomy, errors- Radiological interpretation of dental caries ,periodontal disease, trauma to teeth and jaws- Radiological differential diagnosis- Describing a lesion- Differential diagnosis of radiolucent lesions of the jaws- Differential diagnosis of lesions of variable radiopacity in the jaws.

Subject: Endodontics (1)(Pre-clinical) , Credit hours: 2 (Theo: 1, Pract: 2):

Course main topics: Case selection & treatment planning- Dental pulp & pathology-- Conservative indirect pulp capping- Diagnosis In Endodontics- Endodontic instruments - Access to the root canal system.

Fifth year

Fifth year, 9th level:

Subject: Operative Dentistry (Clinical 3), Credit hours: 2 (Theo: 0, Pract: 4):

Course main topics:Complex amalgam restorations- Anterior and posterior composite restorations- Rubber dam application.

Subject: Removable Prosthodontics (Clinical 3), Credit hours: 2 (Theo: 0, Pract: 4):

Course main topics: Diagnosis- Impression- Making jaw relation records-The try-in appointment - Complete Denture Delivery.

Subject: Fixed Prosthodontics (Clinical 3), Credit hours: 2 (Theo: 0, Pract: 4):

Course main topics: Performing of posterior and anterior fixed Prosthodontics- Post and cores- Veneers.

Subject: Endodontics (2) , Credit hours: 1 (Theo: 0, Pract: 3):

Course main topics: Dental pulp injuries - Conservative Endodontics-Diagnosis-Access to the root canal system- Cleaning and shaping- Obturation- Endodontic surgerysystem.

Subject: Oral Surgery & Anesthesia (3), Credit hours: 2 (Theo: 1, Pract: 2):

Course main topics: Oral & maxillofacial armamentarium- Maxillary & mandibular fractures- Infections - Periapical surgery.

Subject: Pedodontics (1), Credit hours: 2 (Theo: 1, Pract: 2):

Course main topics: Morphology and anatomy of primary teeth- Class I,II,III preparation- Local anesthesia in children- Rubber dam-Pulp treatment (Pulpotomy , indirect and direct pulp capping , Pulpectomy)-Fluor-Sealant-Scs crown.

Subject: Periodontics (1), Credit hours: 2 (Theo: 1, Pract: 3):

Course main topics: The normal periodontium-Classification of periodontal diseases- Etiology of periodontal diseases: microbiology, host response, modifying factors- Gingival disease-Different types of periodontitis-Periodontal medicine-Epidemiology of gingival and periodontal diseases.

Subject: Oral Medicine (1), Credit hours: 2 (Theo: 1, Pract: 1):

Course main topics: Diagnosis and treatment of common mucosal disease- Diagnosis and treatment of common salivary gland diseases- Oral manifestations of systemic diseases - Diagnosing facial pain of dental and non-dental origin- Special and chair-side investigations and their interpretation- Relevant radiographic examination and specialist imaging techniques appropriate to the diagnostic needs.

Subject: First- Aid Medicine, Credit hours: 1 (Theo: 1, Pract: 0):

Course main topics: Shock and its management - Septic states/septic shock-Syncope/fainting states- Headache, dizziness/vertigo-Allergic reactions and anaphylactic shock-Sudden cardiac arrest and cardiopulmonary resuscitation - Acute abdominal pain- Burns and their management- Dental procedures and infective endocarditis- Dental care of medically complex patients (heart disease, diabetes, anticoagulation...etc).

Fifth year, 10th level:

Subject: Operative Dentistry (Clinical 4), Credit hours: 1 (Theo: 0, Pract: 3):

Course main topics:Restoring badly destructed tooth(clinically) with composite and amalgam for different treatment plans-The use of fiber reinforced composite posts that are bonded to radicular dentine-Indirect composite restorations with restoring cervical non-caries lesions.

Subject: Removable Prosthodontics (Clinical 4), Credit hours: 1 (Theo: 0, Pract: 3):

Course main topics:Diagnosis- Impression- Making Jaw Relation Records- The Try-in Appointment - Complete Denture Delivery.

Subject: Fixed Prosthodontics (Clinical 4), Credit hours: 1 (Theo: 0, Pract: 3):

Course main topics: Performing of posterior and anterior fixed Post and cores-Prosthodontics- Veneers.

Subject: Maxillo-Facial Prosthetics & Implantology (Clinical 4), Credit hours:2 (Theo:1,Pract: 3):

Course main topics:Obturator- Facial Prosthesis- Prosthodontic rehabilitation of the mandibulectomy.

Subject: Endodontics (3), Credit hours: 2 (Theo: 1, Pract: 2):

Course main topics: Endodontic complications management-Obturation systems-Endodontic surgery- Broken instruments management-Rotary preparation systems-and Relationship between Endodontics and general diseases.

Subject: Oral Surgery & Anesthesia (4), Credit hours: 2 (Theo: 1, Pract: 2):

Course main topics: Local Anesthesia –Exodontia and dentoalveolar Surgery>

Subject: Pedodontics (2), Credit hours: 2 (Theo: 1, Pract: 2):

Course main topics: Traumatic teeth injuries in children - Sedation and conscious sedation, general anesthesia- Handicapped, management of a disabled child during dental treatment- Managing the developing occlusion (preventive orthodontic, bad oral habits, space maintainers).

Subject: Periodontics (2), Credit hours: 2 (Theo: 1, Pract: 3):

Course main topics: Prognosis and treatment plan- Scaling and root 19planning- Drugs used in periodontal therapy- Periodontal surgery- Dental implants, periodontal consideration- Mucogingival surgery- Periodontal : restorative, orthodontics and endodontics relationship- Furcation involvement.

Subject: Oral Medicine (2), Credit hours: 2 (Theo: 1, Pract: 1):

Course main topics: Ulceration- Blisters- White patches- Erythema- Swelling- Pigmentation- Dry mouth- excess salivation- coated tongue- halitosis- and altered test-Orofacial pain- Systemic disease and related problems affecting dentistry- Oral disease in the elderly- Sudden loss of consciousness and other emergencies in dental practice.

Subject: Medical Ethics, Credit hours: 1 (Theo: 1, Pract: 0):

Course main topics: Ethics in Dentistry -History of Dentistry.

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