

Syrian Arab Republic

Al-Baath University

Faculty of Dentistry



الجمهورية العربية السورية

جامعة البعث

كلية طب الأسنان

Curriculum of Four Academic years

2:contents of the subjects for the Second academic year

The first semester

Authorized by The Dean

/Faculty of Dentistry, Al-Baath University, Homs, Syria Website: www.den.albaath-univ.edu.sy

كلية طب الأسنان – جامعة البعث – حمص- الجمهورية العربية السورية

Syrian Arab Republic

Al-Baath University

Faculty of Dentistry



الجمهورية العربية السورية

جامعة البعث

كلية طب الأسنان

Subject	Content of subject (Lectures/Seminars-part)	Content of subject (Laboratory/Clinic-part)	The number of hours per week			Methods of assessment		
			Theoretical	Practical	total	Course work	Practical exam	Written exam
Preventive dentistry	<ul style="list-style-type: none">-Fluor- smoking and its effect in the mouth - dental protection in immunosuppressed patients- dental caries- preventive restorative treatments and sealant for valances and gutters- nutrition and its role in protecting teeth- dental erosion- toothpastes - dental brushing	<ul style="list-style-type: none">-Oral solutions and rinsesFluoride touch and its applicationsAdhesive sealants and their applications	2	2	4	30%	10%	60%

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2-Dental Materials(1)	General properties of dental materials and the international standards- The material structure /the adhesion- The physical properties of the dental materials The general properties of the dental materials – Biological evaluation- Calcium hydroxide- Zinc Oxide Eugenol cement Zinc Phosphate cement- Poly carboxylate cement Glass Ionomer cement- Dental amalgam Alloy Compound Resine - Composite	- Cements mixing and applying. - Amalgam, composite and Acryl mixing&applying. Restorative and impression materials (mixing& applying).	2	2	4	30%	10%	60%
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<p>3-Dental Anatomy , Drawing & Carving</p>	<p>Oral cavity anatomy -Dental organ anatomy Comparative anatomy of the teeth Permanent teeth groups and numeration of teeth Incisors - Canines- Premolars- Molars Deciduous, mixed and permanent occlusion Dental functional anatomy (contact areas, large periphery of the tooth , interdental embrasures, intercuspitation...etc)</p>	<p>Permanent teeth drawing for different faces Anatomical sections drawing of permanent teeth Deciduous teeth drawing for different faces Sculpture of teeth in soap:(upper incisor, upper canine , lower canine ,first upper premolar, second lower premola, first upper molar ,first lower molar) Doing anatomical sections of the different dental groups(longitudinal mesio-distal),longitudinal vestibule-lingual , transverse) Anatomical differentiation of the teeth</p>	2	4	6	30%	10%	60%
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<p>4-Head & Neck Anatomy</p>	<p>Head and neck bones Architecture of face , cranium and cranial bones Facial bones & temporomandibularjoint (TMJ) Skull aspects : anterior, posterior,upper, lateral Skull base, lower aspect of skull , cervical vertebral.*cervicofacial muscles Facial muscles , mastication muscles Supra and sub hyoid muscles Cervical: triangles anatomic contents, muscle.*facial regional anatomy/ Blood supply to head and neck&cranial nerves</p>	<p>Medical terminology & fully detailed study of : Skull bones, cervical vertebral Drawing of all head bones with different aspects</p>	<p>2</p>	<p>2</p>	<p>4</p>	<p>20%</p>	<p>10%</p>	<p>70%</p>
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<p>5-General Histology</p>	<p>Preface of histology- cell- Substance and cellular liquor Epithelial Tissue- Connective Tissue Cartilage tissue-Bone tissue Blood Tissue- Muscular Tissue Nervous Tissue and Nervous system Endocrine gland- Circulatory system Lymphatic system- Digestive system Respiratory system- Urogenital system Skin</p>	<p>- Methods of preparing tissue samples. - Detailed microscopic study of selected section from general body tissues.</p>	<p>2</p>	<p>2</p>	<p>4</p>	<p>20%</p>	<p>10%</p>	<p>70%</p>
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جامعة البعث

كلية طب الأسنان

Second Semester

Subject	Content of subject (Lectures/Seminars-part)	Content of subject (Laboratory/Clinic-part)	The number of hours per week			Methods of assessment		
			Theoretical	Practical	total	Course work	Practical exam	Written exam

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<p>6-Medical Chemistry</p>	<p>Biological molecules Chemical compound of living material Functional , chemical bands Carbohydrate Classification and structure of carbohydrate and chemical characters Carbohydrate metabolism and neogenesis ,kory's cycle Lipids Compound and classification and characters Metabolism ,excretion of lipids Proteins Amino acids (physical and chemical characters and classifications Peptides (characters and biological role) Proteins (the fourth structures and destruction of intesimal structure of protein and practical classification) Collagen ,Ribonulease , Hemoglobin Enzymes (structure and quality and classification) Enzymes pharmacokinetic and the mechanism of action and factors affecting in speed of interaction Biological functions of enzymes ,and enzymes inhibitors Structures and function of vitamins dissolved in water Structures and function of vitamins dissolved in fat</p> <p>Authorized by The Dean</p>	<p>(Laboratory work) outlined the practical applications of the (Lectures \seminars- part)</p>	<p>2</p>	<p>2</p>	<p>4</p>	<p>20%</p>	<p>10%</p>	<p>70%</p>
<p>/Faculty of Dentistry, Al-Baath University, Homs, Syria Website: www.den.albaath-univ.edu.sy</p>								
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	<p>Hormones Peptide hormones & protein hormones & steroid hormones Hormones derived from the amino acids Regulation of production and secretion of hormones , and hormones receptors Nucleic acids Types of amino acids and structure Deoxyribonucleic DNA & Ribonucleic acid RNA Bioenergy and role of ATP Medical biological importance High energy Phosphate compound role and biochemical reactions connection Nucleoside Tri- phosphate compounds Metal elements Structure and physiological role Multiple huge metal elements and trace elements Chemistry of oral cavity Saliva (composition , physiology and functions) Dental plague (composition and prognosis)</p>							
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<p>7-Fixed Prosthodontics(1)</p>	<p>The history of medicine The history of Denstistry in specific and an introduction to dentistry A historical preface brief about the evolution of fixed prosthodontics Physiology of odonto-facial compound Genreal definition of posthodontics Examination of fixed prosthodontics patient Mouth preparing for receiving the prostheses The fundamental principles of tooth preparation Instruments of toot preparation Technique of single-tooth restorations Special preparation of teeth for prosthodontics Teeth treatment by using radical post Prsthodontics treatment for abraded teeth Prosthodontics treatment for periodontitis Impression and impression materials Waxing&investment powder and its new techniques Casting and its instruments Finishing , Polishing &burnishing Temporary and final adhesive materials&adhesion</p>	<p>Preparation of a lower molar to receive a full metal crown Preparation of an upper molar to receive a mixed crown Preparation of an upper central incisor to receive a pure Ceramic crown Preparation of an upper premolar for receiving a covered mixed crown Waxing- Investment powder - Casting- Finishing and polishing</p>	<p>2</p>	<p>4</p>	<p>6</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
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<p>8-Dental Materials(2)</p>	<p>International specifications- Properties and structure</p> <p>Clinical materials</p> <ul style="list-style-type: none"> ▪ impression materials ▪ waxes ▪ adhesion materials ▪ prosthetics materials <p>Laboratory materials</p> <ul style="list-style-type: none"> ▪ Acrylic ▪ Silicone materials ▪ Resin materials ▪ Waxes ▪ Metals <p>Gypsum and investment materials</p>	<p>Practical training on the uses of dental wax</p> <p>Practical training on mixing impression materials</p> <p>Practical training on getting impression with impression compound</p> <p>Practical training to make impression by alginates</p> <p>Practical training to make impression by silicones</p> <p>Mixing dental plaster</p> <p>Practical training to mix plaster of different kinds</p> <p>Practical training to pour impression in plaster</p> <p>Practical training on mixing and using acryl</p>	<p>2</p>	<p>2</p>	<p>4</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
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9-Conservative Dentistry(1)	Introduction in dentistry and the history of dentistry Terminology and designation Dental caries-Dental wear Handpieces and instruments Dentist and patient positions Preparation parts and details Preparation classes Practical rules for tooth preparation Class I preparation Class II preparation&complex class II preparation Class III preparation Class IV preparation Class V preparation&cervical lesions Class VI preparation	Cavities preparation - Class I preparation Class II preparation - Class III preparation Class IV preparation - Class V preparation	2	4	6	30%	10%	60%
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<p>10-Microbiology</p>	<p>Introduction in microbiology Bacteriology Structure & general prooperties & normal bacteria groups- Bacteria physiology -Genetics at bacteria Antibiotics-Relationship between human organism & bacteria - flora-Bacterial samples Bacteria rule in dental decay and oral diseases Positive & negative cocci Positive & negative bacilli Forced anaerobic bacteria Spirochetosis grade Bacteria resistance to acids and alcohol Mycology Form,structure, pathology of mycoses Superficial mycoses Dermatophytes Deep mycoses Virology Forms,structure,pathology of viruses Viruses with human pathology related to dentistry Parasitology Basic concepts of parasitology Parasites of protozoa Flat & string worms</p>	<p>Basics in sterilization ,working in microbiology lab Manners of eliminating micro biologics Culture media ,methods in culturing and proliferate bacteria Bacterial diagnosis for pathological specimens Manners of direct lab examination Manners of indirect lab examination Bacterial diagnoses based on biological ,chemical properties Isolation,diagnosing cocci gram positive Isolation , diagnosing cocci gram negative Isolation , diagnosing bacilli gram negative Bacteria ,causative for oral and teeth diseases Bacterial test for samples of : mouth ,nose, ear , larynx Basics and manners in culturing , diagnosing pathological mycoses Basics and manners in culturing ,diagnosing viruses Serum diagnostic tests Parasites ,diagnoses methods Parasites in mouth &External parasites Parasites in excrement intestinal juice Parasites in blood ,lymph, craniospinal fluid Partasites in urine , vaginal secretions Parasites in tissues ,histological biopsy</p>	<p>2</p>	<p>2</p>	<p>4</p>	<p>20%</p>	<p>10%</p>	<p>70%</p>
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<p>11-Oral & Dental Histology</p>	<p>Fetal -origin of mouth ,face and neck Teeth evolution and developmental Deciduous , permanent teeth eruption Histological structures of hard oral tissues:(enamel ,dentine, cementum,dental pulp,periodontal ligament, alveolar bone , maxilla bone,mandible bone) Histological structures of soft oral tissues :(cheek,floor of mouth , tongue ,lips, hard & soft palate, salivary glands) Histological structures of temporomandibular joint TM</p>	<p>Methods of preparing oral hard & soft tissue for microscopic study Microscopically study of teeth , hard oral tissues and soft oral tissues</p>	<p>2</p>	<p>2</p>	<p>4</p>	<p>20%</p>	<p>10%</p>	<p>70%</p>
<p>12-Oral physiology</p>	<p>General information about the organization of the nervous system and cranial nerve nuclei Functional anatomy of the elements of the masticatory system Neurons and synapses Physiology of ascending nervous system(sensitive functions of the facial and oral areas) Physiology of descending nervous system (motor functions of masticatory system) Physiology of oral cavity (chewing ,swallowing,, pronunciation) Physiology of nasal fossa and maxillary sinus Physiology of the eye & physiology of the ear</p>	<p>_____</p>	<p>2</p>	<p>—</p>	<p>2</p>	<p>—</p>	<p>—</p>	<p>100%</p>

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الجمهورية العربية السورية

جامعة البعث

كلية طب الأسنان

3:contents of the subjects for the third academic year

First Semester

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الجمهورية العربية السورية

جامعة البعث

كلية طب الأسنان

Subject	Content of subject (Lectures/Seminars-part)	Content of subject (Laboratory/Clinic-part)	The number of hours per week			Methods of assessment		
			Theoretical	Practical	total	Course work	Practical exam	Written exam

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13-Minor Surgery & Surgical Diseases	1-Vital Signes 2-Sterilization and Disinfection 3-Giving Medications by Injection 4-Venous Cutdown 5-Systems in Operating Theaters 6-Surgical Instruments 7-Wound Closure 8-Wounds 9-Surgical Draining 10-Vascular Wounds and Bleeding Management 11-Dressing 12-Centesis Procedures 13-Bites and Stings 14-Shock 15-Transfusion 16-Burns 17-Pressure Sores 18-Incision and Drainage of Abscess 19-Local Anesthesia Application 20-Paronychia 21-Subungual Foreign Body and Hematoma 22-Lipoma and Sebaceous Cyst 23-Patient's Approach 24-Liver,Gallbladder, Biliary Ducts and Surgical Lesions 25-Appendicitis 26-Upper and Lower Gastrointestinal Bleeding 27-Acute Abdominal Pain 28-Surgical Lesions of Anal and Rectum 29-Thyroid Lesions 30-Breast Lesions	Sutures , types - Forceps ,hemostatic, needle carrier, cords, scissors , tissue scissors ,suturing Rhino-gastro tube (indications , contraindications, complications, installation)	2	2	4	20%	10%	70%
14-Conservative Dentistry(2)	Biological Considerations of Operative Dentistry Considerations Affecting Operative Dentistry and the Control of Moisture Liners and Bases- Dental Amalgam Restoration Adhesion to Enamel and Dentin Resin Composite Restoration Fluoride Releasing Materials Restoration Direct Gold Restoration Cast Metal Restoration	Prepare and Restore of all classes of cavities on artificial teeth	2	4	6	30%	10%	60%

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15-General Pathology	<p>The inflammation & the infection Healing mechanisms-Necrosis & Apoptosis Developmental abnormalities Benign ,malignant tumors Blood, vascular disorders Pathological disorders in cells (disorders in protein metabolism , disorders in lipid metabolism ,disorders in mineral salt metabolism)</p>	<p>Histological samples of degeneration in variant tissues -Histological samples of infractions -Histological samples of inflammation & cicatrization Histological Samples of infectious diseases Histological samples of variant benign tumors- Histological samples of variant malignant tumors</p>	2	2	4	20%	10%	70%
16-Psychology	<p>Relationship between doctor and patient and recent data Classification of phisiological neurosis Formation of personality and its phases form Pahtological characters and its clinical study Neurosis&Hysteria &Schizophrenia Sentimental or emotional disorders Delirium chronic syndromes&the pain</p>	_____	2	—	2	—	—	100%
17-Immunology	<p>Introductory lecture in immunology and types of immunity Natural immunity and factors influence natural immunity Acquired immunity- Immunoglobulins , types and functions Antigens , and their characteristics Antigen – Antibodies complexes The complement system The immune system : organs , cells, and their role in immune response Major Histocompatibility Complex (MHC) - Immune tolerance , immunosuppression and immune deficiencies - Hypersensitivity and their types Immunity against microorganisms</p>	_____	1	—	1	—	—	100%

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<p>18-Fixed prosthodontics(2)</p>	<p>Symptoms of losing teeth, diagnosis the loss & making treatment plan Types of prosterior bridges Biomechanics of posterior bridges Implantology - Partial preparations The impressions and the impressions materials New techniques in making fixed prosthodontics impressions and the techniques of gingival retraction Temporal fixed prosthodontics (Crowns&Bridge) Adhesive bridges and cantilever bridges Types of pontics ,terms of choosing abutments and types of retainers The designing of posterior bridges First experience of posterior bridges Importance of temporary cementation of bridges Final cementation of bridges and controlling the adhesion Reasons for failure of posterior bridges & rules of repair</p>	<p>Preparation of upper posterior bridge with abutments (14/24,16/26) with complete surrounding retainers (full crown) Preparation of upper posterior bridge with abutments (14/24,16/26) with partial retainers (3/4 crown, cast filling) Preparation of lower posterior bridge with abutments (35/45, 37/47) with complete surrounding retainers(full crown) Making an impression,casting the impression Cutting dies,getting single die Using the articular in fixed prosthodontics Waxing bridge-Investing bridge and casting Finish,polish and burnish of bridge</p>	<p>2</p>	<p>4</p>	<p>6</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
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19-General Diseases & Dermatology	A – General Diseases Introduction Medical history & symptoms and signs Respiratory failure & bronchial asthma & pneumonia Pulmonary tuberculosis Hypertension & diabetes Chronic congestive heart failure Headache and facial pain Diseases of digestive tract Oral and salivary glands diseases Stroke Disorders of digestive system accessories	—————	2	—	2	—	—	100%
	B- Dermatology Introduction to dermatology Skin diseases due to bacteria Skin diseases due to viruses Dermatomycosis Skin diseases due to parasites Sexually transmitted diseases Allergic diseases of the skin Papulosquamousdermatosis Connective tissue diseases and bullous dermatosis Disorders of pigmentation Skin diseases due to disorders of sebaceous glands Dermatitis due to physical factors Diseases of the hair, nails, lips and oral cavity Skin tumors							

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الجمهورية العربية السورية

جامعة البعث

كلية طب الأسنان

The second Semester

Subject	Content of subject (Lectures/Seminars-part)	Content of subject (Laboratory/Clinic-part)	The number of hours per week			Methods of assessment		
			Theoretical	Practical	total	Course work	Practical exam	Written exam

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كلية طب الأسنان – جامعة البعث – حمص- الجمهورية العربية السورية



<p>20-The science of Occlusion</p>	<ul style="list-style-type: none"> • Development of dental occlusion • Static occlusal relationship • Dynamic occlusion • Positions of the mandible • Occlusal diagnosis • Tempromandibular disorders • Occlusal splints <p style="text-align: center;">Articulators</p>	<p>Studying of an ideal occlusion as following:</p> <ol style="list-style-type: none"> 1. Taking impressions 2. Bite registration 3. Centric relation registration 4. Studying of the static occlusal relationships 5. Studying of the dynamic occlusal relationships 6. Mounting study models on the articulator 7. Fabrication of an occlusal splint 	2	2	4	20%	10%	70%
<p>21-Public Health & Epidemiology</p>	<p>Public Health – Air Health – Water Health- Foods Health- House Health – Individual Health- School Health- Oral Health- Children Care- Pregnancy Care- Malaria Control- Modern Subjects in Public Health</p>	_____	2	—	2	—	—	100%

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22-Infection Control	<p>General view of germs and viruses Diagnosis and etiology of mains diseases in human Concept of infection control Methods and materials of germs Infection control Methods and materials of viruses infection control Principles of disinfection and sterilization with dry-wet sterilization and radiation Protocol of infection control</p>	_____	2	—	2	—	—	100%
23- Periodontology(1)	<p>1-Anatomy , development and structure of periodontium 2-The supporting periodontal apparatus 3-Calssification of periodontal diseases 4-Epidemiology of periodontal diseases 5-The periodontal pocket and patterns of bone destruction 6-Clinical and radiographic diagnosis and treatment planning and prognosis 7-Scaling & root planning and Debridement 8-Periodontal instruments 9-Plaque control and related risk factors associated with periodontal disease 10-Risk factors associated with periodontal diseases 11-Gingival inflammation and defense mechanism of the gingiva</p>	_____	2	--	2	—	—	100%
24-Radiology	<p>The physics of Ionizing Radiation- Biologic Effects of Radiation- Radiation Safety and protection</p>	<p>- - Getting acquainted with equipments used in Dentistry -</p>	2	4	6	30%	10%	60%

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	<p>Imaging principles and Techniques-- X – Ray Film Intensifying Screens and Grids- Projection Geometry Processing X-Ray film Intra –oral Radiographic Examination Normal Radiographic Anatomy- Panoramic Imaging Extra -oral Radiographic examination Radiographic Interpretation of Pathology Principles of radiographic Interpretation Dental Caries- Periodontal Diseases- Dental Anomalies Cysts of the jaws- Diagnostic Imaging of TMJ Paranasal Sinus- Soft Tissue Ossification</p>	<p>- (X-ray tube, Panorama, Cephalo,Digital). - - Making Intraoral - X-ray(periapical,occlusal,bite wing) for - - - the entire mouth by parallel and median methods. - Manual developing. - Getting acquainted with digital X-ray. - - Discussing most common errors radiology and developing errors. - Getting familiar with the - - radiographic appearance of anatomical areas of the jaws. Provide Seminar according to the assets Of Scientific Research.</p>						
<p>25-Diseases of Eye,Nose,Ears and Larynx</p>	<p>Anatomy and physiology of the ear Diseases of the external ear and otitis media Common diseases like vertigo, tinnitus Anatomy and physiology of the nose Diseases of the nose Anatomy and physiology of the sinus Diseases of the sinus</p>	<p>_____</p>	<p>2</p>	<p>—</p>	<p>2</p>	<p>—</p>	<p>—</p>	<p>100%</p>

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	<p>Oro antrum vistula Anatomy and physiology of the pharynx Diseases of the pharynx Tonsillitis Adenoid diseases Anatomy of the eye- Physiology of the eye The diseases of the orbit- The disease of lacrimal apparatus The disease of cornea- The disease of conjunctiva The disease of eyelids-Uvitees Cataract- Glaucoma Refractive errors- Squint The diseases of the retina</p>							
26-Pharmacology	<p>Genral Pharmacology Introduction and definition of pharmacology The main resources of drugs (Vegetarian,animal ,artificial ,DNA recombination , manufactured with gene , Manufactured with stem cells ,manufactured with antibody) Pharmacokinetics (Henderson equation –Hasllbach equation) Adjusted factors in influencing drug(age , weight , body surface area , sex, state of the stomach and digestive system) Pharmaceutical genetics , and the relationship between genetics and gene influencing drug Input pharmacological methods Metabolism and excretion of drugs</p>	_____	2	—	2	—	—	100%

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	<p>Pharmacological interactions-consolidation , addition Pharmacological synergy Pharmacological antagonism and types Drug interactions of (absorption ,distribution , metabolism, excretion) Drug interactions in dental medicine in particular Adverse effects of drugs – side effects Drug hypersensitivity and anaphylactic shock B. private pharmacology Prescription Prostaglandins & peripheral and central pain relievers Medicines of autonomic nervous system (vegetative) and their receptors Corticosteroid – Non steroid anti inflammatory drugs NSAIDs Antibiotics (penicillins , cephalosporins, beta-lactam compounds ,alaminoglycozedates, Tetracycline ,macrolides, lincosamides, derivatives quinolones, sulfonamides) Anti protozoan , anti viral , anti fungi, anti worms ,and antiviral drugs for disease-causing insects (scabies) Hemostatics – local and general anesthetics Treat some mouth infections Cancer and its medication and treatment Headaches</p>							
<p>27-Oral & Dental Pathology</p>	<p>Developmental abnormalities of teeth Dental decay –Dental pulp diseases Periapical lesions Dental degenerative changes</p>	<p>(Laboratory work) outlined the practical applications of the lectures \seminars- part) Provide seminar according to the assets of scientific research</p>	<p>3</p>	<p>2</p>	<p>5</p>	<p>20%</p>	<p>10%</p>	<p>70%</p>

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	<p>Odontogenic cyst Non-odontogenic cyst Bone lesions Oral cavity developmental abnormalities Periodontal tissues lesions and treatment Oral premalignant lesions Odontogenic tumors Non-Odontogenic tumors Benign neoplasms- Malignant neoplasms(cancer)</p>							
28-Removable Prosthodontics(1)	<p>Removable prosthodontics types Anatomy of oral cavity and edentulous ridges Removable prosthodontics laboratory procedures Preliminary impressions making and diagnostic casts Individual trays making Border molding and final impression technique Creating master cast Record bases& occlusion rims,maxillomandibular records Articulators and its use Artificial teeth selection and arrangement Denture base processing Denture insertion and post insertion instructions Denture relining & denture repair Denture failure ,complete denture problems Advanced prosthodontics Immediate complete denture &overdentures Dental implants- Stability of complete dentures</p>	<p>Preliminary impressions making Diagnostic cast perpetration Individual traysmaking Border molding and final impression making Creating master cast Record bases making Occlusion rims making Casts mounting on an articulator Arrangement of anterior teeth Arrangement of posterior teeth Trial denture waxing and gingival contours creating Flasking the waxed denture Denture base processing Polishing the denture</p>	2	2	4	30%	10%	60%

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جامعة البعث

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4: contents of the subjects for the fourth academic year

The first Semester

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Syrian Arab Republic

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Subject	Content of subject (Lectures/Seminars-part)	Content of subject (Laboratory/Clinic-part)	The number of hours per week			Methods of assessment		
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<p>29-Orthodontics and dentofacial orthopedic1</p>	<p>A: the craniofacial complex growth and development</p> <ul style="list-style-type: none"> • The growth of craniofacial complex during the prenatal period • Developmental disorders during the embryonic period • The facial growth • The craniofacial growth influencing factors <p>B: Teeth and occlusion development</p> <ul style="list-style-type: none"> • Dental eruption and its mechanism, types of occlusion. • Malocclusion classifications • Malocclusion etiology <p>C: Congenital disorders</p>	<p><u>Making a dental models analyses for a malocclusion case with the following steps:</u></p> <ul style="list-style-type: none"> • Impressions. • Bite registration. • Orthodontic dental models (design and trimming). • Transverse symmetry analysis. • Antero-posterior symmetry analysis. • Teeth size- arch length analyses. • Tooth size- tooth size analyses. <p>Space analyses during the mixed dentation stage.</p>	<p>2</p>	<p>2</p>	<p>4</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
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جامعة البعث

كلية طب الأسنان

<p>30-Oral Diseases(1)</p>	<p>Oral Anatomy- Diagnosis of Oral Diseases – The Teeth – Diseases of The Periodontium- Diseases of The Oral Mucosa- The Cysts – Diseases of Jaws Bones – Tumors- Therapy of Oral Diseases-</p>	<p>Interrogation and clinical examination of patient Dental radiology , panoramic & digital radiology Use of intra-oral cameral to affirm pathological cases Principles of meausring dental vitality Principles of diagnosis dental caries Principles of diagnosis oral mucus lesions Diagnosis of periodontal tissue lesions Use of differnt dental measurements in clinical exam Treatment & confirmation of oral mucosa diseases Provide clinical case report according to the assets of clinical , physics &chemistry scientific research</p>	<p>2</p>	<p>2</p>	<p>4</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
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Faculty of Dentistry



الجمهورية العربية السورية

جامعة البعث

كلية طب الأسنان

31-Ethics of Dentistry & Forensic Dentistry	Oral and Maxillofacial Anatomy and Anatomopathology – Identification of The Death and Post mortem procedures- Scientific Methods of Investigation- DNA Identification- Forensic Photography and Radiography- Tooth Restorations and Prosthetic Dentistry- Determination of (Race-Age-Sex) by The Teeth- Mass Disaster Management – Examination and Interpretation of Bite Marks- Oral and Maxillofacial Injuries- Evaluation of Infirmary Degree- Other Subjects in Forensic Dentistry- Laws of Dentistry- Ethics of Dentistry	<hr/>	2	—	2	—	—	100%
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<p align="center">32- Periodontology(2)</p>	<p>1-Bacteriology ,plaque ,calculus 2-Host immune response and genetic factor 3- gingival diseases 4- Acute gingival infections and treatment 5-Gingival overgrowth 6-Aggressive periodontal diseases 7-Chronic periodontal diseases 8-periodontal diseases associated with systemic diseases 9-Supportive chemical treatment of periodontitis 10-Gingival recession 11-Dental sensitivity and treatment 12-Occlusal trauma and treatment</p>	<ul style="list-style-type: none"> - Receiving and diagnosing many of periodontitis cases. - Radiography periodontal diagnoses(periapical–bitewing–panorama). - Scaling of subgingival calculus and root surface - - debridment under local anesthesia. - - Using sonic and ultrasonic devices in scaling and root surface debridement. - Treatment reevaluation after one month ending of case, by doing re-diagnosis chart for every case and doing - - further periodontal treatments if the cases need it. - - Doing dental splints (temporary or Permanent Observing some periodontal surgery cases. 	2	4	6	30%	10%	60%
<p align="center">33- Endodontics(1)</p>	<p>Maintain the pulp- Teeth morphology Isolation in endodontic- Root Canal preparation Irrigation of the root canal Root canal obturation Pain and teeth sensitivity Pulp and regeneration changes- pulpitis</p>	<ul style="list-style-type: none"> - One Anterior teeth,upper and lower. - OneUpperorLowerPremolar. - - One Upper molar. - One Lower molar. <p>Approved preparation methods:</p> <ul style="list-style-type: none"> - Conventional method. - Crown-downtechnique. - Step-backtechnique. 	2	2	4	30%	10%	60%

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كلية طب الأسنان

34-Conservative Dentistry(3)	Basic Principles of Operative Dentistry Dental Caries The Pulp-Dentin Complex Protection Resin Composite Restorations and Bonding Systems Dental Composite – Clinical Techniques Light Curing Considerations for Composite Cervical Lesions and Root Caries Operative Dentistry and Periodontal Tissue	Clinical Prepare and Restore of all classes of cavities	2	4	6	30%	10%	60%
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<p>35-Anesthesia & Exodontias(1)</p>	<p>Anesthesia Oral cavity and jaws anatomy&pain physiology Local anesthesia at chemical aspect (pharmacology) Working mechanism of local anesthesia (pharmacology) Effect of local anesthesia on central nervous system and circulation system(pharmacology) Adverse effects of local anesthesia (pharmacology) Vasoconstrictors (pharmacology) Using adrenaline in dentistry(pharmacology) Medications in dentistry - pharmacological treatment measures(pharmacology)-1 Anesthesia equipment Local anesthesia techniques General complications of anesthesia and therapeutic procedure Exodontias Identification of dental clinic & sterilization and disinfection Patient interrogation Extraction indications & loacal contraindication of extraction Contraindication of extraction in general Authorized by The Dean</p>	<p>Different teeth extractions with local anesthesia Anterior lower teeth extractions with local anesthesia Lower premloars extractions with local anesthesia Anterior upper teeth extractions with local anesthesia Upper premolars extractions with local anesthesia Upper molars extractions with local anesthesia Anterior lower residual roots extractions Anterior upper residual roots extractions</p>	<p>2</p>	<p>4</p>	<p>6</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
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	<p>Diseases (blood disease , rheumatic diseases , diabetes diseases ,thyroid disease and kidney disease)</p> <p>Preparing patients of extraction operation</p> <p>Extraction of children's teeth</p> <p>Surgical extraction & extraction complications</p>							
36-Removable Prosthodontics(2)	<p>Introduction to removable partial prosthodontics</p> <p>Partially edentulous patient examination</p> <p>Classification of partially edentulous arches</p> <p>Treatment options of partially edentulous patients</p> <p>Interim Removable partial dentures making</p> <p>Removable partial dentures making</p> <p>Surveying Surveyors</p> <p>Removable partial dentures components: Major and minor connectors</p> <p>Removable partial dentures components: Direct retainers</p> <p>Removable partial dentures components: rests , indirect retainers</p> <p>Removable partial dentures design</p> <p>Attachments in removable partial dentures</p>	<p>Laboratory procedures of interim removable partial dentures</p> <p>Laboratory procedures of removable partial dentures</p>	2	4	6	30%	10%	60%

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الجمهورية العربية السورية

جامعة البعث

كلية طب الأسنان

The second semester

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كلية طب الأسنان – جامعة البعث – حمص- الجمهورية العربية السورية

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الجمهورية العربية السورية

جامعة البعث

كلية طب الأسنان

Subject	Content of subject (Lectures/Seminars-part)	Content of subject (Laboratory/Clinic-part)	The number of hours per week			Methods of assessment		
			Theoretical	Practical	total	Course work	Practical exam	Written exam

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<p>37-Orthodontics and dentofacial orthopedic2</p>	<p>A: orthodontic diagnosis</p> <ul style="list-style-type: none"> • History taking • Intra and extra oral examination • Examination of the functional orofacial disturbance • Photographic analyses • Dental models analyses • Radiographic diagnosis <p>B: Biomechanic of orthodontic tooth movement</p> <p>C: Anchorage in orthodontic treatments</p>	<p><u>Making wire components of the removable orthodontics appliances as following :</u></p> <ul style="list-style-type: none"> • Ball clasp • Triangular clasp • Adams clasp • Labial bow (Hawley bow) • Finger spring • Z Double cantilever spring • Canine retraction spring <p><u>Making a cephalometric analysis as following:</u></p> <ul style="list-style-type: none"> • Points and planes determination. <p>Interpretation of the resulted value</p>	<p>2</p>	<p>2</p>	<p>4</p>	<p>30%</p>	<p>10%</p>	<p>%60</p>
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<p>38-Pediatric dentistry(1)</p>	<ul style="list-style-type: none"> • Morphology Of The Primary Teeth • Restorative Procedures For Primary Teeth • Pulpal Therapy In Primary Teeth (1) • Pulpal Therapy In Primary Teeth (2) • BEHAVIOR MANAGMENT IN DENTAL OFFICE • Examination Of The Child And Treatment Planning • Local Anesthesia In Children • Dental Caries And Prevention • Fluoride • Sealants And Preventive Resin Restorations • Inhalation Sedation • Hospital Dentistry • Anomalies Of The Developing Dentition (1) • Anomalies Of The Developing Dentition (2) 	<ul style="list-style-type: none"> • Examination Card • Fluoride application • Sealant application • Class II restorations on extracted primary molars. • Pulpotomy cases on extracted primary molar. • Class II restorations clinically on primary molars. • Pulpotomy cases clinically on primary molars 	<p>2</p>	<p>4</p>	<p>6</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
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<p>39-Endodontics(2)</p>	<p>Periapical diseases- Oral cavity cysts iatrogenic mistakes during pulp treatment and management methods Treatment of immature permanent teeth Surgical treatment in endodontic Repair following root canal treatment Treatment of fractured and traumatized anterior teeth Teeth bleaching- Rotary preparation</p>	<p>- Two Anterior teeth(upper or lower). - One Upper premolar with two canals. - One Lower premolar. The approved method of canal preparation is: - Conventional method(3cases). - Crown-down preparation technique for any premolar case.</p>	<p>2</p>	<p>4</p>	<p>6</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
<p>40-Oral Diseases(2)</p>	<p>Diseases of lips- Diseases of Salivary Glands Diseases of Tongue - Temporo mandibular Joint</p>	<p>Interrogation and clinical examination of patient Palpation of lymph nodes in the neck Use of intra-oral camera to affirm pathological cases Writing of medical prescription Principles of diagnosis dental caries</p>	<p>2</p>	<p>2</p>	<p>4</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>



<p>41-Fixed Prosthodontics(3)</p>	<p>Asthetic principles</p> <p>Asthetic principles for the odontofacial organ</p> <p>Concept of the golden ration and its relation with odontofacialcomplex</p> <p>Physiology of opticing the light</p> <p>Mechanisms of choosing the color.*the single fixed prosthodontics for the anterior zone\ Dental management with the upper anterior zone & anterior bridges designing</p> <p>Complete designing of oral cavity according accoding to the view of fixed prosthodontics</p> <p>Aesthetic fixed prosthodontics- Veneers.*protheses supported with single implants\ Duration of fixed prosthodontics on the dental implants</p> <p>Fixed prosthodontics supported with single implants</p> <p>Fixed prosthodontics with less preparation</p> <p>Adhesive fixed prosthodontics</p> <p>Complete ceramic prosthodontics</p> <p>Composite fixed prosthodontics reinforced with fibers</p> <p>Authorized by The Dean</p>	<p>Preparation metal-core to receive pure or mixed complete crown</p> <p>Preparation front&back adhesive bridge</p> <p>Preparation radical post (mono or dual or tripartite roots)</p>	<p>2</p>	<p>4</p>	<p>6</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
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الجمهورية العربية السورية

جامعة البعث

كلية طب الأسنان

	Fixed prosthodontics\ Relationship principles between dentist and dental technician Traditional prosthodontics & - Removal of fixed prosthodontics Designing of the retainers & designing of the pontics								
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<p>42-Anesthesia & Exodontias(2)</p>	<p>Extraction management to endocrine disorder patients Extraction management to steroids treated patients Extraction management to bleeding ability patients Extraction management to nervous system injuries patients Extraction management to patients of blood diseases Extraction management to patients of kidney diseases Extraction management to pregnancy and breast-feeding patients Extraction management to viral injuries patients Extraction management to chemo therapy patients Extraction management to immunodeficiency syndrome patients Bleeding and hemostasis mechanisms Complications of extraction and anesthesia Regional anesthesia techniques Extra-oral regional anesthesia techniques Extraction management to rheumatism patients Medicaitons in dentistry-pharmacological treatment measures(pharmacological)-2 General anesthesia and Nirtrous Oxide analgesia Mechanism of healing & first aid</p>	<p>Extraction of lower molars with regional Block Extraction of lower premolars Extraction of residual roots of lower molars Extraction of residual roots of anterior inferior teeth Extraction of upper molars Extraction of upper premolars and canines Extraction of residual roots of upper molars Extraction of residual roots of anterior superior teeth Different teeth extractions with local anesthesia</p>	<p>2</p>	<p>4</p>	<p>6</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
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<p>43-Removable Prosthodontics(3)</p>	<p>Relationship between dentist and dental technician Anatomy of edentulous arches & diagnosis and treatment planning & mouth preparation for complete denture Final impression techniques of complete denture Record bases and occlusion rims Maxillomandibular record for complete denture & articulators Arrangement of anterior artificial teeth Occlusal consideration of complete denture Arrangement of posterior artificial teeth & trial denture Denture base processing and finishing Complete denture insertion Complete denture post insertion and recall</p>	<p>Clinical case of partially edentulous patient Steps Diagnosis and examination – treatment planning –periodontal treatment – preliminary impression taking- Individual tray trying – final impression taking – interocclusal relationship record – Artificial teeth choosing – trial denture testing –direct retainers placing – denture insertion - recall</p>	<p>2</p>	<p>2</p>	<p>4</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
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الجمهورية العربية السورية

جامعة البعث

كلية طب الأسنان

44-Emergency Medicine	Principles of first aid –Main methods of first aid Act in Case of emergency- choking Wounds and bleeding- Circulatory disorders Lost consciousness – breakings Back injuries –Musculoskeletal injuries Burns and stings-Effect of extreme temperatures Poisoning-Odd objects Pains-Acting in major accidents Bandages and bands Management and handling	-----	2	—	2	—	—	100%
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الجمهورية العربية السورية

جامعة البعث

كلية طب الأسنان

5: contents of the subjects for the fifth academic year

The first semester

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كلية طب الأسنان – جامعة البعث – حمص- الجمهورية العربية السورية

Syrian Arab Republic

Al-Baath University

Faculty of Dentistry



الجمهورية العربية السورية

جامعة البعث

كلية طب الأسنان

Subject	Content of subject (Lectures/Seminars-part)	Content of subject (Laboratory/Clinic-part)	The number of hours per week			Methods of assessment		
			Theoretical	Practical	total	Course work	Practical exam	Written exam

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الجمهورية العربية السورية

جامعة البعث

كلية طب الأسنان

45-Pediatric dentistry(2)	<ul style="list-style-type: none">• Pulpal Therapy For Young Permanent Teeth• Crowns in Pediatric dentistry• Traumatic injuries To The Anterior Teeth (1)• Traumatic injuries To The Anterior Teeth (2)• Eruption And Occlusion• Space Maintenance(1)• Space Maintenance(2)• Orthodontic Procedures• Oral Habits• Conscious Sedation• Special Needs Patients (1)• Special Needs Patients (2)• Diseases Of Periodontal And Soft Tissues• Radiographic Assessment Of Children	<ul style="list-style-type: none">• Fluoride application• Sealant application• Pulpotomy on extracted primary molar.• Class II restorations clinically on primary molars.• Pulpotomy cases clinically on primary molars.• Space maintainer study and clinical application.	2	4	6	30%	10%	60%
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الجمهورية العربية السورية

جامعة البعث

كلية طب الأسنان

46-Periodontology(3)	<ul style="list-style-type: none">1-Principles of periodontal surgery2-Regenerative periodontal surgery (with membranes)3-Regenerative periodontal surgery (with bone grafts)4-Gingival grafts and pedicle flaps5-Furcation involvements6-Periodontal esthetic considerations around implants in the anterior area7-Diagnosis and treatment of peri-implantitis8-Periodontal –orthodontics relations9-periodontal-endodontics relations10-Periodontal –prosthetic relations11-Laser in periodontal treatment	<ul style="list-style-type: none">1-Diagnosis and treatment of aggressive periodontitis2-Non surgical periodontal treatment3-Periodontal surgical treatments (frenulum ectomy- gingiva ectomy – grafts)	2	4	6	30%	10%	60%
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<p>47-Endodontics(3)</p>	<p>Pulpitis- Oral cavity cysts Iatrogenic mistakes during pulp treatment and management methods Treatment of immature permanent teeth Surgical treatment in endodontic Repair following root canal treatment Treatment of fractured and traumatized anterior teeth- Teeth bleaching</p>	<p>Management of variant cases.</p>	<p>1</p>	<p>4</p>	<p>5</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
<p>48-Oral Surgery&Implantology</p>	<p>Surgical incisions and suturing Principles management of impacted teeth and radiography study Dental alveolar injuries- Dental splints Periapical Curettage Maxillary sinus surgery and diseases Surgery and disease of salivary glands Cysts of the jaw Dental implants and bone grafts Pre-prosthetic surgery</p>	<p>Surgical instruments Applying dental splints Surgical sutures and surgical suturing Retracting of flaps Methods of applying the plates on the jaws Surgical incisions methods & flaps types</p>	<p>2</p>	<p>2</p>	<p>4</p>	<p>20%</p>	<p>10%</p>	<p>70%</p>

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<p style="text-align: center;">49-Fixed Prosthodontics(4)</p>	<p>History taking - Clinical examination Para-clinical examination Diagnosis & treatment planning Pre-prostheses preparation Endodontic preparation Gingival preparation - Surgical preparation Occlusion preparation - Restorative preparation Orthodontic preparation Prosthodontics treatment Preparation and insertion path Impression taking- Temporary Prosthodontics Occlusion recording- Try-in of the prostheses Try-in of infrastructure Prostheses primary try-in of the final Temporary cementation of the final prostheses Finishing of the final prostheses Final cementation of the prostheses Periodic Follow-up of the final prostheses-Clinical cases(2) Relationship between prosthodontist and dental technician (legislation and provision of the relation)</p> <p style="text-align: center;">Authorized by The Dean</p>	<p style="text-align: center;">By a clinical preparation of : Two posterior bridges Perform metal postand core followed by a crown on a posterior tooth (two cases)</p>	<p>1</p>	<p>4</p>	<p>5</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
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<p style="text-align: center;">50- Anesthesia&Exodontias(3)</p>	<p>Review in local and regional anesthesia for maxilla and mandible</p> <p>Complications of local and general anesthesia</p> <p>Complications of simple and complicated extraction</p> <p>Wound healing- Inflammatory lesions of jaws</p> <p>Management of pituitary and thyroid glands diseases in dentistry</p> <p>Management of diabetics mellitues and corticosteroids patients in dentistry</p> <p>Aquired immunity deficiency syndrome and dentistry</p> <p>Management of kidney diseases in dentistry</p> <p>Management of asthma in dentistry</p>	<p>Extraction of lower molars with regional anesthesia</p> <p>Extraction of lower third molars</p> <p>Residual rootextraction of lower molars</p> <p>Roots separation of lower molars</p> <p>Residual roots extraction of anterior lower teeth</p> <p>Extraction of upper molars</p> <p>Extraction of upper third molars</p> <p>Extraction of upper premolar and upper canines</p> <p>Residual roots extraction of upper molars</p> <p>Residual roots extraction of anterior upper teeth</p>	<p>1</p>	<p>4</p>	<p>5</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
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الجمهورية العربية السورية

جامعة البعث

كلية طب الأسنان

<p>51-Removable Prosthodontics(4)</p>	<p>Relationship between dentist and dental technician (2)</p> <p>Complete denture problems</p> <p>Tissue conditioners</p> <p>Soft lining materials</p> <p>Complete denture reline</p> <p>Immediate complete denture</p> <p>Overdenture -Implant retained denture</p>	<p>Clinical case of partially edentulous patient</p> <p>Steps:</p> <p>Diagnosis and examination - treatment planning - periodontal treatment - preliminary impression taking -individual tray tring - final impression taking - interocclusal relationship record-artificial teeth choosing - trial denture testing - direct retainers placing -denture insertion - recall</p>	<p>1</p>	<p>4</p>	<p>5</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
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الجمهورية العربية السورية

جامعة البعث

كلية طب الأسنان

The second semester

Subject	Content of subject (Lectures/Seminars-part)	Content of subject (Laboratory/Clinic-part)	The number of hours per week			Methods of assessment		
			Theoretical	Practical	total	Course work	Practical exam	Written exam

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<p>52- Orthodontics and dentofacial orthopedic3</p>	<ul style="list-style-type: none"> • Summary of Classification, diagnosis and problems list. • Removable orthodontic appliances • Functional orthodontic appliances • The fixed orthodontic appliances. <p>Prognosis and retention</p>	<ul style="list-style-type: none"> • Diagnosis and treatment planning for: 1- A case of malocclusion during the permanent dentation period. <p>A case of malocclusion during the mixed dentation period</p>	2	4	6	30%	10%	60%
<p>53- Endodontics(4)</p>	<p>Perforations- Restorative of endodontic tooth treatment- Endodontic retreatment Leaser in endodontic- Surgical treatment in endodontic- Repair following root canal treatment Endodontic – periodontics relationships</p>	<p>Management of variant cases.</p>	1	4	5	30%	10%	60%

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الجمهورية العربية السورية

جامعة البعث

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54- Conservative Dentistry(4)	Minimal invasive dentistry The relationship between restorations and periodontal tissues- Complicated restorations Light curing units - Composite restorations on posterior teeth Photography in dentistry -Geriatric dentistry	Class II cavities : type of restoration is :Amalgam retained to endodontic treated tooth with (post&core) Class III& Class IV & Class V Esthetic cavities Anterior fractures	1	4	5	30%	10%	60%
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<p>55-Fixed Prosthodontics (5)</p>	<p>Esthetical analyses and concept of smile design Pre-prostheses preparation from esthetical viewpoint - Endodontic preparation Gingival preparation -Surgical preparation Occlusion preparation -Restorative preparation Orthodontic preparation - Preparation treatment Techniques preparation for anterior teeth Impression taking Direct temporary prosthodontics Try-in of infrastructure Prostheses primary -in of the final Temporary cementation of the final prostheses Finishing of the final prostheses Final cementation of the prostheses Periodic follow- of the final prostheses</p> <p>Authorized by The Dean</p>	<p>By a clinical preparation of : Two anterior bridges Perform metal post and core followed by a crown on an anterior tooth(two cases).</p>	<p>1</p>	<p>4</p>	<p>5</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
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<p>56-Anesthesia & Exodontias (4)</p>	<ul style="list-style-type: none"> - Dentistry and general anesthesia - Patient treated by radiotherapy and chemotherapy - Management of kidney transplanted diseases in dentistry - Blood diseases and its relation to dentistry (leukemia –lymphoma hodjkin, nonhodjkin anemia) Septic shock – allergic shock-types of the shock (blood shock–hypovolemic shock–neurogenic shock - - sjogren syndrome–autoimmune diseases - neurological and psychological diseases (epilepsy –Parkinson–anxiety –phobia and depression) - rheumatic diseases in dentistry septicemia –infectious ulcer–thrombophlebitis 	<p>Extraction of lower molars with regional anesthesia</p> <p>Extraction of lower third molars</p> <p>Residual roots extraction of lower molars</p> <p>Roots separation of lower molars</p> <p>Residual roots extraction of anterior lower teeth</p> <p>Extraction of upper molars</p> <p>Extraction of upper third molars</p> <p>Extraction of upper premolar and upper canines</p> <p>Residual roots extraction of upper molars</p> <p>Residual roots extraction of anterior upper teeth</p>	<p>1</p>	<p>4</p>	<p>5</p>	<p>30%</p>	<p>10%</p>	<p>60%</p>
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الجمهورية العربية السورية

Al-Baath University

جامعة البعث

Faculty of Dentistry

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57- Maxillofacial Surgery	Maxillofacial pains	_____	2	-	2	—	—	100%
	Cervico –facial lymphadenopathy							
	Benign& malignant tumors in the jaws							
	Treatment the tumors of the jaws							
	Fractures of mandibular & maxillary bone							
	Zeugmatic maxilla –complex fractures							
	Diseases and surgery of the							
	temporomandibular joint (TMJ)							
	Autogenously and alloplastic reconstruction of The TMJ							
	Cleft lip and palate							
	Orthogenetic surgery & bones lengthening							
	in maxillary surgery							

Dean of The Faculty of Dentistry

Vice Dean for Scientific Affairs

Prof.Dr. Mohamad Kusai Al-Munajed

Prof. Dr MUHANAD AIOUB

Vice President of The University for Scientific Affairs

Prof.Dr.Maam AL Salameh

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