6. Radiology	2Theory	2 Practical
A comprehensive study of oral and jaw radiology in its four aspects: the physics of radiation, energetic of radiation, radiography techniques and methods, and finally reading diagnostic radiographs and that all is through lectures in theory and laboratory and clinical sessions that allow students to apply radiography techniques on new patients and reading them with the help of specialist supervisors. Discussing the basic principle of X - Ray generation, and the different radiological devices used in the dental clinic. The student will be trained to use these devices to have a radiographic picture for the oral cavity and surrounding structure in different techniques and positions, emphasizing on safety and protection of the patient and the staff in the clinic. Also the students will be trained on the processing and developing methods. Diagnosis: The main objective of this course is to provide detailed knowledge of the radiographic appearance of the pathological conditions affecting the oral cavity, head and neck. Also the students will be trained on viewing, describing specific lesions and formation of a differential diagnosis.		

6. Dental Prosthodontics Materials	1 Theory	2 Practical
This course focuses on general principles and definitions • **Impression materials:**Types, and the indications, chemical composition and way of working of each type. • **Casting materials:** Types, and the indications, chemical composition and way of working of each type. • **Dental wax:**Types, and the indications, chemical composition and way of working of each type. • **Resins:** Types, and the indications, chemical composition and way of working of each type. • **Metal mixtures:**Types, and the indications, chemical composition and way of working of each type. • **Dental cements:** Types, and the indications, chemical composition and way of working of each type. • **Dental ceramics:**Types, and the indications, chemical composition and way of working of each type.		

Weekly Hours	15Theory	18 Practical
Total: 33		

Third Year

First semester

1. Arabic Language (3)	2Theory	0 Practical

2. Partial Removable Prosthodontics(2)	2Theory	4 Practical

Students are introduced to the clinical and theoretical aspects of removable partial dentures, precision attachments, over dentures, immediate dentures, single complete dentures and preprosthetic surgery.
Clinical training includes: Examination of the patient, primary impression, the preparations of oral pre-artificial dentures, final impression,planning a prime example, design of artificial dentures, primary artificial dentures,registration of jaw relationship,setting of artificial teeth, cooking, finishing, delivery of removable partial denture and recommendations), inflammation of the mouth due to removable partial denture.

3. Internal Diseases, Dermatology & Venereology	3 Theory	0 Practical

This subject which is given in coordination with the Faculty of Medicine.It provides an overview of the principles of internal medicine, dermatology and venereology diseases with an emphasis on common diseases of particular importance to dentist, to study the phenomenon of general and oral internal, dermatology and venereology diseases, their diagnosis, methods of treatment and the importance of the role of the dentist in the early diagnosis and participation in treatment.
Itstudies the structure ofnatural skinand the principles ofdiagnosis: Parasitic skin diseases, bacterial skininfections,viralinfections, fungal infections,sexually transmitted diseases, skin diseasescaused byphysical factors, dermatosesandlupus erythematosus,dermatosesbubble,connective tissue disease, Eczema, contact dermatitis, urticariaand drugs interactions, acne and rosacea (pink face)andrelated disorders, skin tumours, skinpigmentationdisorders hair and nails lesions, geneticsyndromesassociatedwith dental defects,the mucousmembrane andoral cavitylesions.

4. Ophthalmology, Otolaryngology	2Theory	0 Practical

This course includes:

- Chapter I: The ear: 1- anatomy, 2- clinical examination of the ear, 3- hearing test, 4- hearing loss, 5- pavilion diseases, 6- diseases of apparent meatus, 7- eardrum injury,
  8- acute media otitis, 9- chronic inflammation of the middle ear, 10-complications of ear infections, 11- media otitis with effusion, 12- hardening of the ear, 13- ear pain, 14- Tinnitus 15- dizziness, 16-facial nerve palsy.
- Chapter II: Anatomy and physiology of the nose 1- Anatomy of the nose 2- foreign objects in nose 3- injuries nose 4- nosebleed 5- nasal septum 6- different nose infections 7- acute and chronic sinusitis 8- tumours of the nose, sinuses, nasopharynx 9- : allergic rhinitis inflammation vasomotor rhinitis, nasal polyps, 10- stuffy nose back 11- polyps, 12- tonsils and oropharynx, 13- the eradication of tonsils, 14- retropharyngeal abscess.
- Chapter III: Throat 1- the anatomy and physiology of the larynx and examination of the throat 2- injuries larynx and trachea 3- disorders of acute laryngitis 4- - Chronic disorders of throat 5- tumours of the larynx, 6- paralyzesof the vocal cords 7- blockage of the respiratory route in infants and children 8- Omradiat laryngopharynx, 9- biopsy of trachea 10- salivary glands diseases - scientific terms – references.

5. Public Health, History of Medicine and Ethics of Dental Practice	2Theory	0 Practical

The course discusses:

- The essential basic principles of public health on a society level by discussing the environmental health air, water, food, habitation, environment and pollution.

- An overview of the history of the profession, teeth treatment in the Arab Scientific Heritage and their evolution through history.
- The importance and effects of social aspects of dental practice.
- An introduction to base line knowledge of ethical theories, various models of decision making and the major contemporary health care issues and dilemmas facing the dental profession. It discusses the Legal aspects of health care, and then moves on to discuss individual health in general before emphasis on the oral health of individual.
- The local Dental Practice regulations,it gives an idea of the institutions, public and private health and their role in maintaining the health of the society.

6. Restorative Dentistry (2)	2Theory	6 Practical

This course deals with:
Examination, diagnosis and treatment plan, infection control procedures in conservative dentistry, isolation equipment.. Etc. Concepts in tooth preparation for amalgam, composite, gold, GIC, restorative techniques, material, its failures and management will also be covered.
Clinical training beginning with the basic principles of cavity formation (class I, II, V) and filling by using the restorative material as indicated in each case.

6. General Histopathology	2Theory	4 Practical

It involves the study of the mechanisms and characteristics of the principle types of disease processes.
Examples: 1-Injury,adaptation and death of cell, 2- Metabolic and degenerative diseases,
3- hypochromemia,4- Circulatory diseases, 5- Active and passive congestion, 6- Clots, shock and infarction,7- Inflammation and infection,8- Cellular restoration and regenerative, 9- Immunity and disorders,10- Genetic factors and disease,11- Carcinogens and tumours,
12- Disorders of growth, differentiation and embryogenesis, 13- Classification of tumours.
In addition, some systemic pathology topics will be introduced late in the course including blood vessels and heart.
Histopathology glass slides and pictures of gross pathology will be discussed in the laboratories.

Weekly Hours	15Theory	14 Practical

Total: 29

Third Year

Second semester

1. Arabic Language (3)	2Theory	0 Practical
2. National Socialistic Education (3)	4Theory	0 Practical

3. Minor Surgery and Surgical Diseases	3Theory	1 Practical

This clinical medical course is addressed to dental students to provide practical knowledge relative to the integration of general surgery knowledge into the basic knowledge the dental student need to know in order to provide dental care for patients more safely, efficiently and effectively.

Topics will include: 1. Minor Surgery:

- Patient examination, admission to hospital, the intensive care unit, vital signs, temperature check, pulse check, breathing check, blood pressure measuring, surgical infections and antibiotics, antibiotic treatment.
- Physiotherapy: The focus of physiotherapy for Temporomandibular disorders (TMDs) is relaxation, stretching, and releasing tight muscles and scar tissue. Physiotherapy is an especially important part of recovery from TM joint surgery, as it helps minimize scar tissue formation and muscle tightness.
- Drainage of the abscess, surgical instruments, sterilization and disinfection, vaginal lavage, anal lavage, intubation Stomach (gastric lavage),nasogastric intubation, helping to empty excess bronchial secretions, aerosols, oxygenic treatment, back escharosis, mouth wash,washing the ear, giving medicine by injection, intramuscular injections, subcutaneous injection, intradermal injection,
- Veins puncture and infusions, intravenous catheter, vein stripping, giving fluids intravenously, puncture,pleural puncture, the chest bombing,pleural biopsy, pericardial cavity puncture, abdomen puncture, lumbar puncture, sternal puncture, puncture of the knee joint,vesical catheter, bladder Puncture, cardiac catheterization, ECG, ambulatory treatments, fainting, shock, shock caused by lack of blood volume, the shock of the cellular lesion, allergic shock, heart attack and failure, Angina, myocardial infarction,hypoglycemia,hyperglycemic coma, pharmaceutical poisonings, suffocation.
- General principles of emergency treatments end tracheal biopsy, foreign objects entering the body, blood transfusion, and treat bleeding, nosebleed, wounds and treatment, surgical sutures, wounds dressing, burns, electrical burns, bone fractures and treatment, flexion, dislocation and subluxation and mandibular deposition.

2. Surgical pathology:

- Severe abdominal pain: Definition, types, diagnostics, non-surgical causes and surgical causes of severe abdominal pain.
- Inflammation of a thromboid vein, deep thrombophlebitis, (definition,causes, clinical diagnosis and treatment),superficial thrombophlebitis,(definition, causes, clinical diagnosis and treatment).
- Pulmonary valve (definition, causes, clinical diagnosis and treatment), septic valve(definition, causes, clinical diagnosis and treatment),
- Varicose veins(definition, causes, clinical diagnosis particular test, complications and treatment), Hemorrhoids (definition, types, causes, symptoms, and treatment), surgical diseases of the Peritoneum (definition and anatomical overview) (causes, clinical manifestations, treatment), Peritonitis: (definition, types, causes, symptoms, treatment).
- Surgical diseases of the liver:Anatomical functions diagnosis of liver, fatty liver, inflammation of the liver, alcoholic cirrhosis of the liver, high tension and portal vein, liver abscesses of liver tumours, inflammation of the gallbladder,stones gallbladder.
- Surgical diseases of the pancreas : Acute pancreatitis chronic pancreatitis, pancreas tumours, pancreatic cancer, lesions appendicitis, acute appendicitis (causes, symptoms, treatment and complications)
- Peptic ulcer:Definition of ulcer treatment causes symptoms,Zollinger Ellison syndrome, upper and lower gastrointestinal bleeding, upper gastrointestinal bleeding (causes, symptoms, diagnosis, treatment), lower gastrointestinal bleeding (causes, symptoms, diagnosis, treatment).

- Surgical diseases of the spleen (anatomical overview), spleen congenital lesions rupture of the spleen, splenomegaly, splenectomy.
- Surgical kidney disease:An overview and anatomical functions of kidney, acute kidney failure, chronic kidney failure, renal calculus, hem dialysis peritoneal, kidney transplant.
- Surgical diseases of the thyroid glands and parathyroid: Anatomical functions of the thyroid glands and parathyroid diagnostic tools, thyroid disease (hyperthyroidism, hypothyroidism, goiter, cancer, hypothyroidism, rheumatoid Thyroid - Diseases of the glands parathyroid (overactive parathyroid, palaces parathyroidism)
- Breast surgery:An overview of anatomical diagnostic tools , breast disease (mass in the breast, breast pain, gonorrhea of the nipple, inflammatory breast lesions),breast cancer, laparoscopic surgery, definition of the benefits of laparoscopic surgery complications of laparoscopic surgery contraindications, tools laparoscopic surgery, laparoscopic cholecystectomy laparoscopic surgical treatment of hernias

4. Occlusion	2 Theory	0 Practical

This course presents a logical and practical approach to the study of dental occlusion and masticatory function. The normal anatomic and physiologic features of the masticatory system and dental relations, the Pathophysiologic features related to the basic clinical applications and the suitable physiotherapyare discussed. This course is considered fundamental to various courses in the dental medicine specialty especially, prosthodontics, orthodontics, conservative dentistry, and oral medicine. Oral physiology is also addressed as related to the articulatory system; the swallowing and speaking are main examples.

5. Fixed Prosthodontics (Crowns and Bridges) (2)	2 Theory	6 Practical

The course studies:

1. Impression for crown and bridge work:
   - Objectives of taking impression.
   - Requirements of an acceptable impression.
   - Impression materials,
   - Impression techniques.
2. Provisional restoration:
   - Definition, objectives, types (prefabricated, custom-made, and laboratory-made).
3. Working cast:
   - Advantages of working cast, definition of die, types of die material, techniques of producing die.
4. Waxing.
5. Investing.
6. Casting.
7. Finishing of the casting
8. Clinical try-in.
9. Cementation:
   - Types of cements used for cementation of crown restoration.
   - Techniques of cementation.

6. Oral & Dental Histopathology	3 Theory	3 Practical

The course will focus on that part of pathology which is concerned with the scientific study of the causes and effects of oral disease, an understanding of which is essential for diagnosis and for the development of rational treatment and preventive programs.

7. PreventiveOral Medicine	2 Theory	0 Practical

This course is designed to develop an appreciation of optimal oral health and Oral Hygiene and a basic understanding of the relation between oral/dental disease-producing agents and host resistance. The student will be able to identify the risk category and the dental needs of a patient and perform those professional preventive procedures identified following proper clinical assessment. Students will gain the necessary basic knowledge and skills regarding the philosophy and modalities of prevention

including concepts on the etiology, microbiology, diagnosis and prevention of caries in the human dentition and its relation with diet among other factors

Foundations of oral preventive medicine

- A historical overview of the definition of preventive medicine, society's role and its relationship in developing the oral preventive medicine, services that can be provided by the community in the field of oral preventive medicine.
- The importance and objectives of oral preventive medicine: 1- Definition and stages of prevention, oral preventive methods and programs, planning for oral health programs and selection of appropriate preventive strategies, World Health Organization and investigation of basic oral health. Health services, medicine oral prophylaxisprograms.

Nutrition and preventive oral medicine

- The importance of food for the body, effect of food in human, essential nutritional rules, basic rules to feed children - the most important causes of malnutrition disease, supervision over food, relationship between food and disease, diseases caused by contamination of food, social factors and their impact in the composition of dietary habits.
- Dental caries: Definition of dental caries, enamel and dentinal caries, main factors causing Dental caries, development of dental plaque, places of dental plaque,
- timetable for the emergence of dental plaque, and theories of dental caries incidence.

Fluoride and its relation with dentistry:

- History of fluoride use and its importance in the prevention of dental caries. The effect of fluoride before dentition. The effect of fluoride topically after teeth eruption.
- How fluoride prevents dental caries
- Methods of systemic fluoride application. Topical fluoride and materials and methods of application.
- Contraindications of fluoride in oral treatment, fluorosis, other effects of fluoride.
- The necessary recommendations to avoid misuse of fluorescent products.

Oral Preventive Medicinefortemporary teeth in children:

- Bad oral habits: Thumb sucking, infantile swallowing, abnormal lip habits, oral breathing, pushing of the tongue.
- Maintaining milk teeth and early compensation for lost teeth.
- Prevention of malocclusion and maxillofacial deformities.
- Preventive Dentistry and Restorative: sealant - composite- glass inomer-compomers

Prevention of periodontal disease, prevention in patients with Prosthodontics, cancer prevention, prevention of blood-borne diseases,and prevention of professional diseases.

Weekly Hours	18Theory	10 Practical
Total: 28		

Fourth Year

First semester

1. Arabic Language (4)	2Theory	0 Practical
2. Foreign Language (4)	4Theory	0 Practical

3. Endodontics (1)	1Theory	2 Practical

This course includes:
Series of lectures covering different aspects of Endodontics.
Knowledge of internal anatomy of permanent teeth, anatomy of root apex and its implications in endodontic treatment.
Access cavity preparation - objectives and principles.
Endodontic instruments and instrumentation.
Laboratory sessions where root canal treatment will be completed on number of extracted teeth. (Sectioning of all maxillary and mandibular teeth in addition to the application of access cavity opening and root canal therapy, conventional preparation-step back and root canal obturation.

Exam:
Formative assessment which involved monitoring and feedback throughout the courseby answering some clinically relevant questions. Summative assessment which involved midterm and final exams (Short answers and MCQs) , Quiz, and OSCE (clinical exam)

4. Oral Diseases(1)	1 Theory	2 Practical

The course deals with all types of diseases and abnormalities that affect the oral cavity. The student will be trained to achieve diagnosis of the disease through systematic approach including full examination and special tests. Discussing all treatment options for each disease:

- Teeth congenital disorders, diseases of dental pulp and periodontal tissues, white and red lesions, oral cavity cysts, diseases of the salivary glands,diseases of TMJ, diseases of maxillary sinus,pigmentary disorders, ulcerative lesions, the mouth and jaw abscesses, diseases of the tongue,nerve angioedema.
- Etiology of these diseases will be fully explained and discussed
- The laser in oral medicine
- Forensic dentistry
- Physiotherapy for periodontal and TMJ.

Exam:
Formative assessment which involved monitoring and feedback throughout the courseby answering some clinically relevant questions. Summative assessment which involved midterm and final exams (Short answers and MCQs) , Quiz, and OSCE (clinical exam)

5. Restorative Dentistry (3)	2 Theory	2 Practical

This course deals with:
Management of non-carious lesions. Concepts in tooth preparation for amalgam, composite and GIC. Restorative techniques and materials knowing failures and management. Direct and indirect composite restorations. Indirect tooth colured restorations-ceramic, inlays and onlays, veneers. Cast metal restorations, indications, contraindications and tooth preparation for class II inlay.Clinical training with patients (Class II, III, and IV) and filling by using the restorative material as indicated in each case.
Exam:
Formative assessment which involved monitoring and feedback throughout the courseby answering some clinically relevant

questions. Summative assessment which involved midterm and final exams (Short answers and MCQs) , Quiz, and OSCE (clinical exam)

6. Complete Removable Prosthodontics (1)	1 Theory	2 Practical

This course covers:

- Occlusion in complete denture
- Retention support &stability
- Posterior palatal seal determination
- Complications in complete denture
- Post insertion problems
- Immediate denture
- Esthetics in complete denture

Exam: Formative assessment which involved monitoring and feedback throughout the courseby answering some clinically relevant questions. Summative assessment which involved midterm and final exams (Short answers and MCQs) , Quiz, and OSCE (clinical exam)

7. Orthodontics (1)	4 Theory	4 Practical

Basic principles of pre- and postnatal growth and development of cranial and facial region. Mechanics of bone growth (intramembranous ossification and endochrondral ossification). Development of normal dentition and occlusion, management of the developing dentition, etiology and classification of malocclusion and orthodontic assessment intra and extra orally. The practical division of this course prepares students for the laboratory work related to removable orthodontic therapy. It aims preparing the students for the laboratory work related to removable orthodontic appliances and developing their skills in different bending techniques. Major clasps and springs used in removable appliances will be bent by the student. An acrylic removable appliance should be constructed, trimmed, polished, by the student.

Exam: Formative assessment which involved monitoring and feedback throughout the courseby answering some clinically relevant questions. Summative assessment which involved midterm and final exams (Short answers and MCQs).

8. Anaesthesia and Extraction (1)	2 Theory	4 Practical

Includes into two parts in theory:

1. The first looks at the anaesthesia, methods of local anaesthesia, anatomical reviews of the head and neck, how to manage emergency cases, explaining different techniques of anaesthesiaand the drugs used in.
2. The second part looks at teeth extractions and it provides comprehensive study for accredited methods and ways after discussing local and general indications and contraindications, methods of preventing or dealing with complications. Clinical sessions at the teeth extracting clinic are considered as an essential part in this subject as students practice extractions procedures under the supervision of Department of Oral and Maxillofacial Surgery. Students continue clinical practice of anesthetising and extractions with ability to perform minor surgeries and observing some complicated oral surgeries.
3. **Exam:**Formative assessment which involved monitoring and feedback throughout the courseby answering some clinically relevant questions. Summative assessment which involved midterm and final exams (Short answers and MCQs) , Quiz, and OSCE (clinical exam)

Weekly Hours	16Theory	20 Practical

Total: 36

Fourth Year

Second semester

1. Arabic Language (4)	2 Theory	0 Practical

2. Oral Diseases (2)	1 Theory	2 Practical

These courses deal with associated tissues and structures of oral cavity such the salivary glands, bone, and the facial tissues. Also the courses will include the provision of sufficient information about oral manifestation of systemic disease, the relevance of these diseases for dentistry and how these problems should be dealt with.

Exam:

Formative assessment which involved monitoring and feedback throughout the courseby answering some clinically relevant questions. Summative assessment which involved midterm and final exams (Short answers and MCQs) , Quiz, and OSCE (clinical exam)

3. Paediatric Dentistry (1)	2 Theory	2 Practical

The goal of the course in Paediatric Dentistry is to introduce the student to the basic concepts of dental care for the child patient through lectures, pre-clinical workshops. The goals of the seminars and clinical rotations in Paediatric Dentistry are to expose the student to the clinical care of infants, children and adolescents.

The topics and clinical activities specifically focus on: comprehensive diagnosis and treatment planning, infant oral health care, preventive strategies (oral prophylaxis, fluoride application, pit and fissure sealants), radiographs in paediatric dentistry, local anaesthesia for the paediatric patient, pulp therapy, trauma, restorative dentistry for primary and young permanent teeth, minor oral surgery, behaviour management, and the prevention and interception of malocclusion due to the premature loss of primary teeth or other aetiologies requiring minor orthodontic care.

Exam:

Formative assessment which involved monitoring and feedback throughout the courseby answering some clinically relevant questions. Summative assessment which involved midterm and final exams (Short answers and MCQs) , Quiz, and OSCE (clinical exam)

4. Complete RemovableProsthodontics (2) and Maxillofacial Prosthodontics	2 Theory	2 Practical

This course covers:

- Single complete denture
- Facial prosthesis
- Alveolar ridge atrophy
- Over dentures

Detailed explanation of Maxillofacial prosthodontics and their function in replacing missing areas of bone or tissue and restore oral functions such as swallowing, speech, and chewing. In other instances, prosthesis for the face or body may be indicated for cosmetic and psychosocial reasons.

Exam:

Formative assessment which involved monitoring and feedback throughout the courseby answering some clinically relevant questions. Summative assessment which involved midterm and final exams (Short answers and MCQs) , Quiz, and OSCE (clinical exam)

5. Endodontics (2)	1 Theory	2 Practical

This course deals with:

Diagnostic procedures, dentin and pulp complex, pulp and periodical pathology.

Case selection and treatment planning.

Infection control procedures used in endodontics (aseptic techniques such as rubber dam, sterilization of instruments etc.)

Fifth Year

Second semester

1. Arabic Language (5)	2 Theory	0 Practical

2. Anaesthesia and Extraction (4)	0 Theory	4 Practical

Anaesthesia: In this course clinical and practical aspects are applied on patients under super vision of Department of Oral and Maxillofacial Surgery including:

1. Local and regional anaesthesia.
2. Sedation.
3. Use of oxygen and emergency drugs.

Extraction: In this course clinical and practical aspects of extraction are applied on patients under super vision of Department of Oral and Maxillofacial Surgery including:

1. Diagnosis:
   - History taking
   - Clinical examination
2. Methods of Extraction:
   - Closed method
   - Open method
3. Impacted teeth: Surgical procedures for removal complications during and after removal for:
   - Impacted mandibular third molar.
   - Maxillary third molar.
   - Impacted maxillary canine.
4. Primary care of medical emergencies in dental practice.

Exam:

Formative assessment which involved monitoring and feedback throughout the courseby answering some clinically relevant questions. Summative assessment which involved midterm and final exams (Short answers and MCQs) , Quiz, and OSCE (clinical exam)

3. Orthodontics (2)	0 Theory	4 Practical

The course focuses on cephalometric radiological analysis, normal and abnormal oral function and its management. Diagnosis and treatment planning of various types of malocclusions in the sagittal, vertical, and transverse plan.

In practical sessions each student should present one case presentation at least. It includes well-trimmed orthodontic study casts, intra oral photographs, extra oral photographs and cephalometric analysis. The student should describe the problems systematically using planes of space and orthodontic diagnostic techniques describe the goals of treatment, offer an opinion regarding the most appropriate approach to the suggested treatment plan.

Exam:

Formative assessment which involved monitoring and feedback throughout the courseby answering some clinically relevant questions. Summative assessment which involved midterm and final exams (Short answers and MCQs)

4. Fixed Prosthodontics (Crowns & Bridges) (5)	0 Theory	4 Practical

The clinical section allows students to apply various techniques for several types of fixed prosthodontics on patients under supervision:

- Patient selection and examination
- On patients under supervision: full metal crown and bridge, porcelain fused to metal crown and bridge, complete ceramic crownand bridge (porcelain jacket crown), partial veneer crown (three-quarter crown), post crown.
- Try in and shade selection
- Finishing and cementation
- Failure in crown & bridge.

And it focuses more on:

- Esthetic considerations: anatomy of smile, Veneers with various materials, ceramics, bleaching of teeth.

Exam:

Formative assessment which involved monitoring and feedback throughout the courseby answering some clinically relevant questions. Summative assessment which involved midterm and final.exams (Short answers and MCQs) , Quiz, and OSCE (clinical exam)

5. Complete Removable Prosthodontics (4)	0 Theory	4 Practical

This course is designed to provide the students with knowledge of the principles, clinical aspect, laboratory steps and practice of complete removable denture:

- Diagnosis and treatment plane of complete dentures.
- Impression for complete dentures.
- TMJ and mandibular-movement.
- Jaw relation-vertical
- Jaw relation-horizontal
- Try in stage in complete dentures
- Laboratory procedures.
- Insertion of complete dentures
- Adjustments of complete dentures

Exam:

Formative assessment which involved monitoring and feedback throughout the courseby answering some clinically relevant questions. Summative assessment which involved midterm and final exams (Short answers and MCQs) , Quiz, and OSCE (clinical exam

6. Oral and Maxillofacial Surgery	2Theory	2 Practical

This course gives an introduction to the subject focusing on:

1. The principles and techniques of general anaesthesia:

- Concept of general anaesthesia.
- Indications of general anaesthesia in dentistry.
- Pre-anaesthetic evaluation of the patient.
- Pre-anaesthetic medication - advantages, drugs used.
- Commonly used anaesthetic agents.
- Complication during and after G.A.
- Sedation.
- Indications, mode of action, technique etc.
- Cardiopulmonary resuscitation

- Use of oxygen and emergency drugs.
- Tracheostomy.

2. The principles and techniques of Oral and Maxillofacial surgery:
   - Minor surgery techniques: Surgical extractions (impacted teeth), Apicoectomy.
   - Major oral surgery(bruises,fractions, cysts,tumours, TMJ, cleft lip and palate).
   - Primary care of medical emergencies in dental practice.
3. Oral Implantology.

This course will concentrate on practical clinic where the student will have a good working, knowledge of basic oral surgical principles and a good practice in minor oral surgery.

Exam:

Formative assessment which involved monitoring and feedback throughout the courseby answering some clinically relevant questions. Summative assessment which involved midterm and final exams (Short answers and MCQs) , Quiz, and OSCE (clinical exam)

7. Endodontics (4)	0 Theory	4 Practical

This course focuses on:

Procedural errors in endodontics and their management.

Endodontic failures and retreatment.

Endo-perio interrelationship, endodontic and periodontics lesions and management.

Advanced Endodontics by Using Vertical condensation Technique in Obturation (applied in Extracted teeth).

Clinical Training with Patients (Root canal Treatment) in Posterior teeth (Access cavity, root canal preparation, instrumentation and obturation).

Exam:Formative assessment which involved monitoring and feedback throughout the courseby answering some clinically relevant questions. Summative assessment which involved midterm and final exams (Short answers and MCQs) , Quiz, and OSCE (clinical exam)

8. Restorative Dentistry (4)	4 Theory	0 Practical

This course deals with recent advances in restorative materials and procedures and principles of esthetics in terms of:

- Colour matching
- Facial analysis
- Smile design
- Principles of esthetic integration
- Treatment planning in esthetic dentistry

Clinical Training with Patients (Class II, III, IV), and filling by using the restorative material as indicated in each case.

Exam:

Formative assessment which involved monitoring and feedback throughout the courseby answering some clinically relevant questions. Summative assessment which involved midterm and final exams (Short answers and MCQs) , Quiz, and OSCE (clinical exam)

Weekly Hours	4 Theory	26 Practical

Total: 30


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