

Courses Description

College: Faculty Of Dentistry

Department: Basic Dental Sciences

Couse ID: 2219011111 **Description:** Introduction to Dentistry

Full Course Description: This course introduces students to an overview information about the practice of dentistry and dental hygiene experience. Basic concepts terminology, procedures and principles related to dental practice and various specialties are presented and its historical and evolution developments. This course provides basic information about the preventive aspects in each dental discipline and brief summary about the curriculum and regulations of the dental study plan and in pre-clinical and clinical phases.

Couse ID: 2219011171 **Description:** Anatomy and Embryology

Full Course Description: This course introduces students to normal anatomy of the main regions (systems) of the human body: thorax, abdomen and pelvis, back and limbs, and it helps students to integrate related concepts and to understand the relationship between anatomical structures and their functions and its clinical aspects and it enable students to effective use of anatomical terminology confidently. It also introduces student to all stages of human development from fertilization to birth and related abnormalities.

Couse ID: 2219011181 **Description:** Physiology

Full Course Description: This course will enable students to develop an understanding of the structure and function of the human body. The course demonstrates the regulatory mechanisms of the human body, and the physiological integration of the organ systems to maintain homeostasis. First, this course describes the cellular communication, basic cell functions in relation to cell structure, and the structure and function of major systems including nervous, respiratory and cardio-vascular systems. Finally, this course highlights some clinical connections to imbalances of normal physiology

Couse ID: 2219011221 **Description:** Dental Anatomy and Occlusion

Full Course Description: This course introduces students to knowledge about dentition gross anatomy and the basic principles of normal dental occlusion. The dental notation systems and chronology of development will be explained. Basics of dental occlusion and features will be explained. This course also provides students with skills of carving different teeth using wax-mounted models. Also, students will be able to identify dental notation, age determination from teeth, teeth interaction in occlusion.

Couse ID: 2219011222 **Description:** Oral and Dental Histology

Full Course Description: This course introduces the student to histology of oral and maxillofacial tissues. It explains the different stages of Odontogenesis, tooth histology, periodontium, oral cavity and related tissues and structures such as salivary glands oral mucosa and muscles. The histology of embryology of oral and facial organs will be studied for understanding the development of teeth and oral tissues.

Couse ID: 2219011241 **Description:** Fundamentals of Dental Caries

Full Course Description: This course introduce student to dental caries, classification, etiology, microbiology, epidemiology, sugars substitutes, saliva and dental caries, dental plaque, diet nutrition and dental caries. It reviews recent research regarding diagnosis and prevention of dental caries.

Couse ID: 2219011271 **Description:** Head and Neck Anatomy

Full Course Description: This course introduces students to normal anatomy of the main regions (systems) of the human body: head and neck and it helps students to integrate related concepts and to understand the relationship between anatomical structures and their functions and its clinical aspects and it enable students to effective use of anatomical terminology confidently. It also introduces student to all stages of human development from fertilization to birth and related abnormalities

Courses Description

College: Faculty Of Dentistry

Department: Basic Dental Sciences

Couse ID: 2219011272 **Description:** Histology

Full Course Description: This course introduces dental student to the basic topics in microscopic and submicroscopic anatomy of the human body (tissues, cells and organelles). It presents the basic four types of tissues (epithelium, connective tissue, muscular and nervous). Practical part will enable students to use examine and analyze the different specimen tissues using both light and electron microscopy micrographs. Students should be able to differentiate the various histological structures from each other. basic tissues processing phases will be explained

Couse ID: 2219011282 **Description:** Oral Physiology

Full Course Description: This course introduces dental student to the physiological aspects related to oral and facial structures including the saliva, mechanisms of taste and olfaction, nociception, mechanosensation, dynamics of mastication and swallowing, mechanism of speech, bone and calcium metabolism, dynamics of temporomandibular joint and occlusion, physiology of eruption and some applied comparative orofacial physiology.

Couse ID: 2219011291 **Description:** General Pathology (2)

Full Course Description: This system introduces students to the gross and histopathological features in various diseases of different body systems. It also explains the etiology, pathogenesis, pathological changes, and clinic-pathological picture. It helps dental students to improve knowledge and skills to correlate between pathology and oral and dental manifestations.

Couse ID: 2219011311 **Description:** Scientific Research and Biostatistics

Full Course Description: This course introduce student to knowledge about basic epidemiology, research methodology, and basic ethical principles. This course will enable them to develop research skills such as reviewing literature and design a research proposal. Student are introduced to evidence based dentistry and practice the utilization of search engines, critically review articles and write abstracts). Students will also gain a basic understanding of descriptive and commonly used inferential statistics.

Couse ID: 2219011312 **Description:** Dental Ethics and Jurisprudence

Full Course Description: This course introduces student to basic ethical and legal obligations of the dentists to the community and public.

Couse ID: 2219011331 **Description:** Oral Biology

Full Course Description: The course introduces students to the structure, development, and functions of the oral tissues, their interactions with each other and to other organ systems in both health and disease.

Couse ID: 2219011341 **Description:** Oral Pathology (1)

Full Course Description: This course introduces student to basic knowledge in the pathogenesis, clinical features and basic radiographic features of diseases affecting the Oral and Maxillofacial region which include: developmental disturbances, cysts of the oral region, infections of teeth and bone, bone lesions and soft tissue lesions. A problem-based learning is used

Couse ID: 2219011342 **Description:** Oral Pathology (2)

Full Course Description: This course is a continuation of course 1. Basic knowledge in the pathogenesis, clinical features and basic radiographic features of diseases affecting the Oral and Maxillofacial region which include: infections affecting Oral and Maxillofacial region, vesiculobullous diseases, salivary gland lesions and tumors, TMJ diseases, odontogenic tumors and epithelial disorders. A problem-based learning is used.

Couse ID: 2219011351 **Description:** Dental Materials (1)

Full Course Description: This course introduces student to basics of dental materials' science including structure, chemical, physical, mechanical and handling characteristics of dental materials used in dental practice including endodontics, conservative dentistry and fixed and removable Prosthodontic. The second course is an extension of dental material I in which materials used in endodontics, crown and bridge restorations, dental implant materials and preventive dentistry will be explained.

Courses Description

College: Faculty Of Dentistry

Department: Basic Dental Sciences

Course ID: 2219011352 **Description:** Dental Materials (2)

Full Course Description: This course introduces student to basics of dental materials' science including structure, chemical, physical, mechanical and handling characteristics of dental materials used in dental practice including endodontics, conservative dentistry and fixed and removable Prosthodontic. The second course is an extension of dental material I in which materials used in endodontics, crown and bridge restorations, dental implant materials and preventive dentistry will be explained.

Course ID: 2219011353 **Description:** Dental Therapeutics

Full Course Description: This course introduces students to basic knowledge of the different drugs used in dentistry in different disciplines and the skills of prescribing for dental patients with various medical conditions such as Anti-infective agents, for pain and anxiety management.

Course ID: 2219011411 **Description:** Research Project (1)

Full Course Description: These series of courses introduce students to the application of knowledge and skills in research methodology introduced to them in research methodology and biostatistics (Evidence based dentistry and practice the utilization of search engines, critically review articles and write abstracts). The students are required to choose a hypothesis, writing a research proposal and test it through a small pilot research project. The students are required at least to present their term paper then submit it. On course 1 student are required to prepare a research proposal in a medical field under supervision. In course 2 students are required to present proof of research results. In course 3 students are required to submit a term paper for evaluation and should include all elements of research paper (Abstract, literature review, material and methods, result, discussion and conclusion). Students will also have seminars on different aspects of research methodology

Course ID: 2219011511 **Description:** Research Project (2)

Full Course Description: These series of courses introduce students to the application of knowledge and skills in research methodology introduced to them in research methodology and biostatistics (Evidence based dentistry and practice the utilization of search engines, critically review articles and write abstracts). The students are required to choose a hypothesis, writing a research proposal and test it through a small pilot research project. The students are required at least to present their term paper then submit it. On course 1 student are required to prepare a research proposal in a medical field under supervision. In course 2 students are required to present proof of research results. In course 3 students are required to submit a term paper for evaluation and should include all elements of research paper (Abstract, literature review, material and methods, result, discussion and conclusion). Students will also have seminars on different aspects of research methodology

Course ID: 2219011512 **Description:** Research Project (3)

Full Course Description: These series of courses introduce students to the application of knowledge and skills in research methodology introduced to them in research methodology and biostatistics (Evidence based dentistry and practice the utilization of search engines, critically review articles and write abstracts). The students are required to choose a hypothesis, writing a research proposal and test it through a small pilot research project. The students are required at least to present their term paper then submit it. On course 1 student are required to prepare a research proposal in a medical field under supervision. In course 2 students are required to present proof of research results. In course 3 students are required to submit a term paper for evaluation and should include all elements of research paper (Abstract, literature review, material and methods, result, discussion and conclusion). Students will also have seminars on different aspects of research methodology

Course ID: 2219011513 **Description:** Dental Practice Management

Full Course Description: This course will introduce students to the basics of dental Practice administration knowledge and skills. It explains the organization of dental health, the practice of management, the managerial functions, and the structure of dental practice, quality assurance and financing the dental care.

Courses Description

College: Faculty Of Dentistry

Department: Conservative Dentistry And Prosthodontics

Couse ID: 2219021311 **Description:** Conservative Dentistry(1)

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

Couse ID: 2219021312 **Description:** Conservative Dentistry (2)

Full Course Description: This course is a continuation of previous courses. It introduces the students to intensive clinical training in operative dentistry clinics including amalgam, composite and glass-ionomer fillings

Couse ID: 2219021313 **Description:** Endodontics

Full Course Description: This course introduces students to basic knowledge and skills in endodontic treatment. Topics include pulp canal anatomy and the techniques, materials and instruments used to clean, shape, and obturate root-canal spaces. In addition to root canal therapy for a single-rooted tooth

Couse ID: 2219021321 **Description:** Removable Prosthodontics (1)

Full Course Description: This course introduces the student to restoration of edentulous patients using complete dentures in which skills and knowledge for chairside and laboratory procedures of complete denture prosthesis production. A series of exercises conducted to prepare the student for the clinical phase of managing edentulous patients.

Couse ID: 2219021322 **Description:** Removable Prosthodontics (2)

Full Course Description: This course introduces students to basic knowledge about treatment of partially edentulous patients and the laboratory steps for removable partial denture production. The classification of edentulous ridges and partial denture types and designs. Hands on training on the various steps involved in the fabrication of removable partial dentures.

Couse ID: 2219021411 **Description:** Conservative Dentistry and Endodontics (1)

Full Course Description: This course introduces students to fundamentals of various clinical aspects in operative dentistry and endodontics. Providing dental patients with fillings using different restorative materials and management of simple cases of endodontics.

Couse ID: 2219021412 **Description:** Conservative Dentistry and Endodontics (2)

Full Course Description: This course is a continuation of previous courses. It provides students with focused clinical training in operative dentistry including amalgam, composite and glass-ionomer fillings in addition to root canal therapy for a single-rooted tooth

Couse ID: 2219021421 **Description:** Fixed Prosthodontics (1)

Full Course Description: This course is continuation of previous courses in prosthetic dentistry. Clinical aspects of assessment, diagnosis and treatment planning of patients in need for complete or removable partial dentures, managing complaints and complications, oral pathological conditions related to complete dentures, overdentures, relining, rebasing, and repairs of removable prostheses, copy dentures and immediate complete dentures

Couse ID: 2219021422 **Description:** Removable Prosthodontics (3)

Full Course Description:

Couse ID: 2219021423 **Description:** Fixed Prosthodontics (2)

Full Course Description: This course introduces students to clinical principles of prosthetic dentistry including topics on:□
1- Clinical and theoretical aspects of removable prosthodontics which involves the examination, diagnosis, treatment planning, construction of the prostheses and maintenance of the hard and soft tissues. □
2- Knowledge and skills in the design and production of partial dentures, applying safety and ethical rules and maintain communication with the dental technicians.□

Courses Description

College: Faculty Of Dentistry

Department: Conservative Dentistry And Prosthodontics

Couse ID: 2219021424 **Description:** Removable Prosthodontics (4)

Full Course Description:

Couse ID: 2219021441 **Description:** Comprehensive Dental Care (1)

Full Course Description: These three consecutive courses at different semesters are designed that Students are assigned patients to provide comprehensive dental care in a general dentistry practice clinical setting. Students learn to focus on the patient's total dental needs rather than a single clinical procedure.

Couse ID: 2219021511 **Description:** Conservative Dentistry and Endodontics (3)

Full Course Description: This course continues on previous courses. It provides student with updated knowledge in conservative dentistry. Recent concept in operative dentistry, endodontics, and crown work, including treating advance operative dentistry, root canal treatment for multi rooted teeth, post-crowns, and crown.

Couse ID: 2219021512 **Description:** Conservative Dentistry and Endodontic (4)

Full Course Description: The course is a continuation of previous courses and is designed to provide the final year dental students with the advanced knowledge in various disciplines of restorative dentistry including conservative dentistry, endodontics and fixed prosthodontics. Advanced clinical requirements in all disciplines over the academic year, and to manage different clinical cases.

Couse ID: 2219021521 **Description:** Prosthodontics (1)

Full Course Description:

Couse ID: 2219021522 **Description:** Prosthodontics (2)

Full Course Description:

Couse ID: 2219021531 **Description:** Oral Implantology

Full Course Description: This course introduces students to basic knowledge about dental implantology. It includes; terminology, definitions and Implant components, preoperative assessment and treatment planning. Implant placement related topics: Implant prosthetic options, Surgical techniques (implant site exposure, implant placement), pre- and post-operative soft and hard tissue management.

Couse ID: 2219021540 **Description:** Restorative and Esthetic Dentistry

Full Course Description: This course introduces students to all dental procedures used for the improvement of oral and dental structure and function. It present both the restorative part (function oriented) and aesthetic part (morphology oriented).

Couse ID: 2219021541 **Description:** Comprehensive Dental Care (2)

Full Course Description: These three consecutive courses at different semesters are designed that Students are assigned patients to provide comprehensive dental care in a general dentistry practice clinical setting. Students learn to focus on the patient's total dental needs rather than a single clinical procedure.

Couse ID: 2219021542 **Description:** Comprehensive Dental Care (3)

Full Course Description: These three consecutive courses at different semesters are designed that Students are assigned patients to provide comprehensive dental care in a general dentistry practice clinical setting. Students learn to focus on the patient's total dental needs rather than a single clinical procedure.

College: Faculty Of Dentistry

Department: Oral Medicine And Surgery

Courses Description

College: Faculty Of Dentistry

Department: Oral Medicine And Surgery

Couse ID: 2219041311 **Description:** Oral Diagnosis

Full Course Description: This course introduces students to definition, tools and stages of diagnosis including history taking, charting symbols, applied anatomy, intra oral examination, teeth examination, diagnostic tests, guidelines for prescribing radiographs. It helps practice diagnosis of dental pain, ulcers, white lesions, and head and neck swellings.

Couse ID: 2219041312 **Description:** Introduction to Clinical Dentistry

Full Course Description: This course introduces student to the clinics, basic concepts of infection control, dentist and patient positioning, record keeping and administration of local anesthesia.

Couse ID: 2219041321 **Description:** Dental Anesthesia and Sedation

Full Course Description:

Couse ID: 2219041331 **Description:** Oral Radiology (1)

Full Course Description: This course will introduce student to basic fundamentals of X ray, and the various medical imaging techniques and devices used in dental practice. Imaging methods and reading of intra-oral and extra-oral images for normal tissues.

Couse ID: 2219041332 **Description:** Oral Radiology (2)

Full Course Description: This course is continuation of course 1. It introduces students to skills in interpretation of extra oral radiography. It enables student to read radiographs features such as radiolucent and radiopaque areas. Student are able to identify the features of different lesions such as; lesions of the jaws, antral disease, trauma to the teeth and facial skeleton, disorders of the salivary gland's diseases. Training on paralleling technique, occlusal radiography, panoramic radiography, automatic processing, loading cassettes, troubleshooting and quality assurance.

Couse ID: 2219041411 **Description:** Oral Medicine

Full Course Description:

Couse ID: 2219041421 **Description:** Oral Surgery (1)

Full Course Description: This course introduces students to basic knowledge and skills of clinical aspects of Minor Oral Surgery executed under local anesthesia. The broad topic will include the preoperative management of patients with medical problems of relevance to minor oral surgery, basic surgical principles, the surgical extraction of teeth, the management of difficult extraction, the management of impacted teeth and surgical aids to orthodontics. This course introduces dental student to basic knowledge and skills in exodontias, surgical instruments, different local anesthetic techniques, basic principles of cross infection control, therapeutics, complication managements, and medical communication skills. The clinical part of this course will allow the students to utilize the knowledge obtained from the theoretical part.

Couse ID: 2219041422 **Description:** Oral Surgery (2)

Full Course Description: This course is a continuation of Oral Surgery 1. In this course advance procedures of surgery including cysts of the jaws and surrounding soft tissues, the dental aspects of maxillary antrum, Oro-facial infections, surgical aids to prosthetic dentistry, surgical aspects of implant dentistry, surgical aids to endodontics and surgery-pathology interrelationship. The clinical part provides hands-on of exodontia and simple oral surgery.

Couse ID: 2219041431 **Description:** Oral Diagnosis and Radiology (1)

Full Course Description: This course introduces students to knowledge and skills of diagnostic methods including history taking, extra and intra oral examination, charting, radiographic and examination. Introduction to the x-ray machine, different types of films (different sizes, intra and extraoral films and film holders. Students are expected to practice performing different intraoral radiographs on dummy heads (periapical, bitewings, occlusal) and processing these films manually or by automatic processors.

Courses Description

College: Faculty Of Dentistry

Department: Oral Medicine And Surgery

Couse ID: 2219041432 **Description:** Oral Diagnosis and Radiology (2)

Full Course Description: This course introduces students to knowledge and skills of diagnostic methods including history taking, extra and intra oral examination, charting, radiographic and examination. Introduction to the x-ray machine, different types of films (different sizes, intra and extraoral films and film holders. Students are expected to practice performing different intraoral radiographs on dummy heads (periapical, bitewings, occlusal) and processing these films manually or by automatic processors.

Couse ID: 2219041511 **Description:** Oral Medicine and Clinical Diagnosis (1)

Full Course Description: This course introduce student to the clinical aspects of oral diagnosis part to be applied on patients attending the oral diagnosis clinic. Student are expected to apply skills learned in previous oral diagnosis courses including history taking, extra and intra oral examination, charting, radiographic examination and establishment of a diagnosis. Also, apply skills learn to clinical aspects of radiology part in oral diagnosis includes training on paralleling technique, occlusal radiography, panoramic radiography, automatic. processing, loading cassettes, troubleshooting and quality assurance as well as radiographic interpretation.

Couse ID: 2219041512 **Description:** Oral Medicine and Clinical Diagnosis (2)

Full Course Description: This course introduce student to the clinical aspects of oral diagnosis part to be applied on patients attending the oral diagnosis clinic. Student are expected to apply skills learned in previous oral diagnosis courses including history taking, extra and intra oral examination, charting, radiographic examination and establishment of a diagnosis. Also, apply skills learn to clinical aspects of radiology part in oral diagnosis includes training on paralleling technique, occlusal radiography, panoramic radiography, automatic. processing, loading cassettes, troubleshooting and quality assurance as well as radiographic interpretation.

Couse ID: 2219041521 **Description:** Oral and Maxillofacial Surgery (1)

Full Course Description: This course is designed to provide students with current theoretical knowledge in the fundamentals and basic principles of maxillofacial surgery including surgical management of facial fractures, maxillofacial deformities, and cleft lip and palate. The clinical part provides hands-on of exodontia and simple oral surgery.

Couse ID: 2219041522 **Description:** Oral and Maxillofacial Surgery (2)

Full Course Description:

College: Faculty Of Dentistry

Department: Preventive Dentistry

Couse ID: 2219031311 **Description:** Paediatric Dentistry (1)

Full Course Description: This course introduces student to pediatric dentistry including clinical examination, diagnosis and treatment planning of dental problems in children, common oral pathologies in children and theories of occlusal development, preventive and conservative treatment in children and pulp therapy. Pre-clinical component includes: patient examination, radiographic assessment and treatment planning, record keeping, aspects of preventive and conservative dentistry in primary teeth, pulp therapy in primary teeth.

Couse ID: 2219031331 **Description:** Periodontology (1)

Full Course Description: This course introduces students to basic information in periodontology with emphasis on the anatomy and physiology of the periodontium and the definition, classification, etiology and prevention of periodontal diseases. It provides student with skills of periodontal instrumentation, diagnosis, treatment options and planning and the prognosis of most common forms of periodontal diseases and emergencies. Also provides students with basic concepts in periodontal disease pathology and potential predisposing factors

Courses Description

College: Faculty Of Dentistry

Department: Preventive Dentistry

Couse ID: 2219031341 **Description:** Basics of Infection Control

Full Course Description: This course introduces students to basic principles of infection control and safety measures and rules. provide dental professionals with up-to-date, evidence-based principles and practices effective in eliminating the risk of spread of harmful pathogens to patients, staff and visitors in a dental setting, eliminates infectious diseases and occupational risks associated with dentistry; Achieve a consistent level of competency among dental students.

Couse ID: 2219031411 **Description:** Paediatric Dentistry (2)

Full Course Description: This course is a continuation of course 1. It introduces preventive measures such as fissure sealants, preventive resin restorations and fluoride application. Topics in chemotherapeutic agents in pediatric dentistry, behavior management, intra-coronal and extra-coronal restorations, pulp therapy for primary and young permanent teeth, Early Childhood Caries and developmental dental anomalies were explained. Guidance to begin delivery of competent oral health care for healthy children.

Couse ID: 2219031412 **Description:** Paediatric Dentistry (3)

Full Course Description: This course is a continuation of course 2. It introduces preventive measures such as fissure sealants, preventive resin restorations and fluoride application. Topics in chemotherapeutic agents in pediatric dentistry, behavior management, intra-coronal and extra-coronal restorations, pulp therapy for primary and young permanent teeth, Early Childhood Caries and developmental dental anomalies were explained. Guidance to begin delivery of competent oral health care for healthy children.

Couse ID: 2219031421 **Description:** Orthodontics (1)

Full Course Description:

Couse ID: 2219031422 **Description:** Orthodontics (2)

Full Course Description:

Couse ID: 2219031431 **Description:** Periodontology (2)

Full Course Description: This course introduces students to basic information in periodontology with emphasis on the anatomy and physiology of the periodontium and the definition, classification, etiology and prevention of periodontal diseases. It provides student with skills of periodontal instrumentation, diagnosis, treatment options and planning and the prognosis of most common forms of periodontal diseases and emergencies. Also provides students with basic concepts in periodontal disease pathology and potential predisposing factors.

Couse ID: 2219031432 **Description:** Periodontology (3)

Full Course Description: This advanced course introduces students to learn methods of periodontal treatment modalities and techniques. Genetic factors associated with periodontal diseases, guided tissue regeneration, smoking and periodontics, and patients' education and support. Treatment of various forms of periodontal diseases by conventional methods, some applications of more advanced techniques and surgical procedures. The clinical part provides hands-on of exodontia and simple oral surgery.

Couse ID: 2219031441 **Description:** Preventive Dentistry

Full Course Description: This course introduces student to basic up-to-date knowledge on prevention of dental diseases and measures used in prevention at the level of public health. These measures, such as, application of fluoride and tooth brush, target periodontal disease, dental trauma, malocclusion and oral mucosal lesions. Evidence-based dentistry approach will be emphasized.

Courses Description

College: Faculty Of Dentistry

Department: Preventive Dentistry

Couse ID: 2219031442 **Description:** Community Dentistry

Full Course Description: This course introduce student to a foundation knowledge in health promotion and disease prevention activities with patients. The practical component will offer experiences in selected community settings provide students with the opportunity to develop and expand their skills in community oral health promotion. Students are scheduled in local elementary and middle schools to participate in the oral health education, screening, and a referral program under the direct supervision of faculty members. Students attend small group seminars to discuss their experiences and theoretical underpinnings of community oral

Couse ID: 2219031511 **Description:** Paediatric Dentistry (4)

Full Course Description: This course is a continuation of course 3. It introduces preventive measures such as fissure sealants, preventive resin restorations and fluoride application. Topics in chemotherapeutic agents in pediatric dentistry, behavior management, intra-coronal and extra-coronal restorations, pulp therapy for primary and young permanent teeth, Early Childhood Caries and developmental dental anomalies were explained. Guidance to begin delivery of competent oral health care for healthy children.

Couse ID: 2219031512 **Description:** Paediatric Dentistry (5)

Full Course Description: These courses are continuation of the previous courses. Clinical treatments including methods of pulp therapy, dental trauma is explained to student. Clinical sessions required from student in operative techniques and behavior management of children.

Couse ID: 2219031521 **Description:** Orthodontics (3)

Full Course Description: This course introduces student to basic knowledge of normal facial, dental and occlusal development and recognize deviations from normal. Also provides basic principles of orthodontic wire bending and develop the manual dexterity and skills involved in wire bending. Later courses, students will be able to understand the basic principle of removable, fixed and functional orthodontic appliances. Student will learn the etiology of malocclusion using examination and radiographs diagnostic tools. Also learn treatment planning for orthodontic patient orthodontic and treatment methods in later courses.

Couse ID: 2219031522 **Description:** Orthodontics (4)

Full Course Description: This course introduces student to basic knowledge of normal facial, dental and occlusal development and recognize deviations from normal. Also provides basic principles of orthodontic wire bending and develop the manual dexterity and skills involved in wire bending. Later courses, students will be able to understand the basic principle of removable, fixed and functional orthodontic appliances. Student will learn the etiology of malocclusion using examination and radiographs diagnostic tools. Also learn treatment planning for orthodontic patient orthodontic and treatment methods in later courses.

Couse ID: 2219031531 **Description:** Periodontology (4)

Full Course Description: This advanced course introduces students to learn methods of periodontal treatment modalities and techniques. Genetic factors associated with periodontal diseases, guided tissue regeneration, smoking and periodontics, and patients' education and support. Treatment of various forms of periodontal diseases by conventional methods, some applications of more advanced techniques and surgical procedures. The clinical part provides hands-on of exodontia and simple oral surgery.

Couse ID: 2219031532 **Description:** Periodontology (5)

Full Course Description: This course is a clinical course were graduating students practice the clinical skills they have learned with emphasis on interdisciplinary periodontal treatment, it also represents a review of all the subjects covered previously. This clinical course provides hands-on of periodontics.