



Semester 1	
Course title	Course Description
Oral Pathology I	This course aims to introduce different oral pathological diseases regarding their mechanisms, affecting factors and types that may affect restorative procedures, materials and techniques.
Oral Histology I	This course prepared to introduce soft and hard tissue histological considerations that represent a great influence on tooth preparations, restorative procedures and techniques.
Oral Radiology I	This course introduces basic principles of X ray generation and different radiological devices used in dental clinic. Knowledge of the principles and practice of intra-oral radiography and radiological appearance of normal tissues to facilitate diagnostic skills of different dental defects.
Basic Dental Materials	This course prepared to introduce basic knowledge of different direct and indirect dental restorative materials as compositions, setting reactions and different techniques of fabrication.
Anatomy of Head & Neck I	This course aims at providing students with a thorough understanding of head and neck anatomy and function of different structures associated with the oral cavity that represent a great influence on oral health.

Semester 2	
Course title	Course Description
Applied Dental Materials	This course prepared to introduce applied knowledge of direct and indirect dental restorative materials including properties, advantages and disadvantages material behavior inside oral cavity, with special emphasis on restorative materials manipulation.
Examination, Diagnosis Treatment Planning	This Course includes assessment and examination of the patient for proper treatment planning. An over view of the patient information is mandatory as personal data, medical history and clinical examination of caries, non-carious lesions, existing restorations, periodontium, occlusion and patients in pain.
Funndamentals of fixed prosthodontics	
Funndamentals of endodontics	



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Semester 3	
Course title	Course Description
Technology of Operative Dentistry I	This course discusses recent concepts of dental restorative materials regarding material composition, restorative techniques and recent techniques and concepts of reconstruction of dental restorations.
Operative Dentistry Seminar I	This course is designed to provide basic knowledge regarding management of dental caries starting from diagnosis, cavity preparation, selection of restorative material, restorative procedure and follow up.
Basics of Restorative Esthetic Dentistry I	This course is designed to provide basic knowledge about esthetic cavity preparation and restorative techniques for direct esthetic restorative materials together with preparing the student with knowledge and skills in the diagnosis and treatment of esthetic dental problems.
Dental cariology & preventive dentistry II	This course deals with prevention of different types of carious lesions based on caries risk assessment including different materials used in prevention, techniques and recent equipments and consequences of these processes.



Semester 4	
Course title	Course Description
Operative Dentistry Seminar II	This course describes different methods for management of various defects affecting tooth tissues with special emphasis on recent concept of minimally invasive dentistry.
Basics of Restorative Esthetic Dentistry II	This course is prepared to provide basics of esthetic preparations and restorative techniques for indirect esthetic restorative materials in addition to knowledge and skills in the diagnosis and treatment of such esthetic dental problems.
Occlusion in Operative Dentistry	This course describes normal occlusion for permanent dentition, theories of occlusion reconstruction in addition to description of multiple malocclusion problems with special focus on different diagnostic methods and techniques of rehabilitation.

Semester 5	
Course title	Course Description
Multidisciplinary Practice in Operative Dentistry I	This course includes basic principles and practice management of comprehensive clinical training in restorative dentistry procedures taking into consideration multidisciplinary dental practice.
Operative Dentistry Seminar III	This course is designed to overview recent advances in management of various dental problems using restorative and non-restorative techniques with special consideration to adhesive dentistry in management of direct esthetic dental problems.
Clinical Restorative Esthetic Dentistry I	This course is designed to provide clinical practice of direct esthetic restorative dentistry including esthetic tooth preparations and cavity designs, restorative and non-restorative techniques in association with proper documentation and presentation of different clinical cases.
Clinical Operative Dentistry I	This course aims to develop dental practitioners able to apply clinical practice in restorative dentistry procedures including diagnosis, treatment planning operative dentistry procedures and application of different maintainable restorative materials with documentation and presentation of different clinical cases.



Semester 6	
Course title	Course Description
Multidisciplinary Practice in Operative Dentistry II	This course includes recent concept and practical techniques of comprehensive clinical training in restorative dentistry procedures taking into consideration multidisciplinary dental practice.
Operative Dentistry Seminar IV	This course is designed to discuss concept of adhesion and its application in conservative dentistry and management of different esthetic problems with special focus on digital and computerized concepts.
Clinical Restorative Esthetic Dentistry II	This course is prepared to apply clinical management of indirect esthetic restorative dentistry including tooth preparations and cavity designs and restorative techniques using indirect esthetic restorative materials to manage different esthetic dental problems in association to documentation and presentation of clinical cases.
Clinical Operative Dentistry II	This course is designed to develop confident dental practitioners to be able to apply different restorative materials and therapies as a safe and predictable methods of rehabilitating mutilated and deficient dentition with documentation and presentation of clinical cases.

