

Operative and esthetic dentistry & endodontics

Theoretical: The beginning examines the concepts of accurate diagnosis, methods, materials used in fillings and their characteristics, then touches on the treatment of various root diseases, then the explanation focuses on root fillings, materials and methods

Practical: In the educational fillings clinic, it is done by treating a number of patients, taking care of the diversity of cases of decay and types of fillings.

Different Learning Methods in the Department of Dentistry

A- Auditory method: This method depends on communicating information in the form of sounds that are heard by the learner for analysis and storage.

B- Visual method: in which information is communicated by displaying color images, videos or any form of visual educational aids.

C- Reading method: It is one of the methods that depend on reading information to understand and store it.

D. Interdisciplinary professional education where dental students collaborate with other healthcare professionals, to promote a holistic approach to patient care.

Different evaluation methods for students in the Department of Dentistry

Daily tests with multiple-choice questions for subjects that require practical skills.

B- Daily exams with practical questions.

C- Semester and final exams.

D- Setting grades for the assigned homework .

H- Grades of participation of questions competing for the subjects of study.

G- Daily evaluation of the student's work in scientific laboratories and educational clinics.

Learning Outcomes for Dental Courses

Using health information technology in oral and dental health care effectively.

Apply appropriate professional, ethical and legal standards in the provision of patient care in accordance with health care rules and regulations.

Providing graduates with scientific knowledge and professional skills in the fields of oral and dental surgery, dental prosthesis, dental preservation, orthodontics, pediatric dentistry, periodontal pathology and surrounding tissues, as well as radiology

Knowledge of the principles of oral and dental health and understanding of the development, prevention and treatment of related diseases

Health promotion and disease prevention to serve the community.

Integrating basic and medical sciences into healthcare practice.

Develop decision-making and problem-solving skills in healthcare.
 Evaluate the state of oral and dental health and the medical condition of the patient, request the necessary diagnostic analyzes, and interpret the results of various analyzes to reach the appropriate diagnosis.
 Prepare a care plan for the prevention and treatment of diseases taking into account the needs of the patient.
 Demonstrate competence in performing procedures safely in all aspects of dentistry and prevent injuries arising from treatment.
 Providing graduates with theoretical knowledge and laboratory and clinical skills that increase the effectiveness of diagnosis.
 Preparing dental graduates and training them to become distinguished in various fields of dentistry.

Lesson name and units

<i>Subject</i>	<i>1st Semester hours/week</i>		<i>2nd Semester hours/week</i>		<i>Units</i>	<i>Code</i>
	<i>Theory</i>	<i>Practical</i>	<i>Theory</i>	<i>Practical</i>		
9. Operative and esthetic dentistry & endodontics	1	6	1	6	8	OEE436

Department Of Restorative and Aesthetic Dentistry A-Basic information

1-Subject title	- Operative and esthetic dentistry & endodontics	
2-Number of credits	Theory:2	Clinical:6
3-Number of contact hours	Theory:-Operative: 22h/year Endodontic:8h/year	Clinic:6h/wk.
4-Subject time	Fourth Year	

Operative and Aesthetic Dentistry

Number	Title of the lectures	Hours
1	Biologic Considerations of Enamel structure and its Clinical Significance in Practice of Operative Dentistry.	1
2	Biologic Considerations of Enamel structure and its Clinical Significance in Practice of Operative Dentistry.	1
3	Biologic Considerations of Dentin structure & its Clinical Significance in Operative Dentistry	1
4	Biologic Considerations of Dentin structure & its Clinical Significance in Operative Dentistry	1
5	Patient Evaluation , Diagnosis & Treatment Planning	1
6	Caries Management (Diagnosis & treatment strategies)	1
7	Cervical Lesions(carious and non carious lesions)	1
8	Restorative Dentistry and Pulpal Health	1
9	Management of Deep Seated Caries	1
10	Inflammatory Conditions of the Pulp	1
11	Treatment of Deep Seated Caries Simplified anatomical modeling.	1
12	Fluoride – Releasing Materials	1
13	Indirect aesthetic adhesive restorations Inlays and Onlays (materials ,techniques) CAD/CAM Technology.	1
14	Direct tooth-colored restorations(Composite)	1
15	Dental Laser	1
16	Application of Laser in Conservative Dentistry.	1
17	Application of Laser in Conservative Dentistry.	1
18	Indirect tooth-colored restorations	1
19	Techniques of posterior composite Inlay/Onlay restoration system Laboratory-processed composite inlays and onlays.	1
20	Ceramic veneers, inlays and onlays, clinical procedures.	1
21	Ceramic veneers, inlays and onlays, clinical procedures.	1
22	CAD/CAM techniques	1
Total		22

Clinical Requirements

Operative Dentistry	Hours
The students are required to complete the following restorations:- a. Amalgam Restorations Class I, Class II	3h/wk
b. Composite (tooth colored) Restorations Class I, Class II, Class III, Class IV, and Class V	
	90h/year

No.	Endodontic	Hours
1	Topics Covered	1
2	1-Objective of endodontic treatment	1
3	2- Basic Phases of Treatment	1
4	3- Pulp pathologies	1
5	Classification of periapical diseases	1
6	Access Opening Preparation	1
7	Endodontic Instruments	1
8	Roentgenography in Endodontics and Root canal preparation	1
Total		8

Clinical requirements (Preclinical Endodontic)

Lab number	Study unit title	Hours
1	Introduction	3
2	Block construction	3
3	Diagnosis	3
4	Quiz 1 in lab 1,2&3 +Access opening	3
5	Quiz 2 in lab 4 +Clinical access opening to one anterior tooth and two	3
6	premolar teeth	3
7		3
8	Instrument	3
9	Equipment and materials	3
10	Quiz 3 clinical quiz in lab 8&9, Working length estimation demonstration	3
11	Quiz 4 in lab 11 + clinical working length estimation on the same three	3
12	teeth .	3
13		3
14		3
15	Rubber dam application	3

16	Quiz 5 clinical quiz in lab 15	3
17	Review	3
18	Root canal instrumentation .	3
19	Quiz 6 in lab 18 + clinical instrumentation to the same teeth	3
20		3
21		3
22		3
23		3
24	Root canal obturation.	3
25	Quiz 7 in lab 24 +clinical obturation to three teeth.	3
26		3
27		3
28	Review	3
29		3
30		3
Total		90