

Course Description Form

1. Course Name:					
Conservative Dentistry					
2. Course Code: ZUDE0404					
3. Semester / Year: 2025-2026					
Annual					
4. Description Preparation Date:					
15.8.2025					
5. Available Attendance Forms:					
Weekly					
6. Number of Credit Hours (Total) / Number of Units (Total)					
30 hours (Theoretical) + 60 hours (Practical). /60 units					
7. Course administrator's name (mention all, if more than one name)					
Name: o s a m a a b d - a l k a d h e m a l i					
Email: osamaalhelu6@gmail.com					
8. Course Objectives					
Course Objectives	Learning the students the theoretical and practical aspects of how to diagnose tooth decay and treat it with different dental fillings, while introducing the student to the characteristics of the materials used and mentioning the latest developments in the field of fillings and dental aesthetics.				
9. Teaching and Learning Strategies					
Strategy	Using modern electronic means in addition to sources and references related to dental treatment sciences, fillings, and root fillings, in addition to video clips and practical experiments to achieve a complete understanding of the vocabulary and practical application on patients in private dental treatment clinics in accordance with international standards.				
10. Course structure					
Week	Hours	Subject name	Required learning outputs	Learning method	Assessment method
1+2	2theory +4 practical	Patient evaluation, diagnosis, and treatment planning	Learning the right way for diagnosis	Power Point lec.+ clinical work	Theoretical and practical exams (weekly and monthly).

3	1theory+ 2 practice	Biologic Considerations of Enamel structure and its Clinical Significance in Practice of Operative Dentistry	Learning enamel tissue and properties	Power Point lec.+ clinical work	Theoretical and practical exams (weekly and monthly).
4+5	2theory+ 4 practice	Biologic Considerations of Dentin and its Clinical Significance in Restorative dentistry	Learning dentin and comparison bet. Enamel and dentin	Power Point lec.+ clinical work	Theoretical and practical exams (weekly and monthly).
6	1theory+ 2 practice	Caries , classification,diagnosis	Learning the dental caries and its classifications, diagnosis with different methods	Power Point lec.+ clinical work	Theoretical and practical exams (weekly and monthly).
7	1theory+ 2 practice	Caries management, and prevention	Learning how to manage dental caries	Power Point lec.+ clinical work	Theoretical and practical exams (weekly and monthly).
8	1theory+ 2 practice	Pulpal irritants and inflammatory conditions of the pulp	Learning the possible irritant to the pulpal tissue	Power Point lec.+ clinical work	Theoretical and practical exams (weekly and monthly).
9+10	2theory+ 4 practice	Restorative dentistry and pulpal health	Learning how to restore the different pulpal conditions	Power Point lec.+ clinical work	Theoretical and practical exams (weekly and monthly).
11	1theory+ 2 practice	Management of deep seated caries	Learning the management of deep caries with different strategies	Power Point lec.+ clinical	Theoretical and practical exams

				work	(weekly and monthly).
12	1theory+ 2 practice	Direct tooth-colored restoration for posterior teeth	Learning the composite properties and its placements	Power Point lec.+ clinical work	Theoretical and practical exams (weekly and monthly).
13	1theory+ 2 practice	Non-cariou lesion	Learning the etiology of non carious lesions, and managements	Power Point lec.+ clinical work	Theoretical and practical exams (weekly and monthly).
14	1theory+ 2 practice	Dental laser	Learning the laser properties	Power Point lec.+ clinical work	Theoretical and practical exams (weekly and monthly).
15+16	2theory+ 4 practice	Application of dental laser in conservative dentistry	Learning laser application in dentistry	Power Point lec.+ clinical work	Theoretical and practical exams (weekly and monthly).
17+18	2theory+ 4 practice	Indirect tooth-colored restoration	Learning the advantages of indirect restorations	Power Point lec.+ clinical work	Theoretical and practical exams (weekly and monthly).
19	1theory+ 2 practice	Techniques of posterior composite inlay and onlay	Learning the different techniques for fabrication of indirect composite resto.	Power Point lec.+ clinical work	Theoretical and practical exams (weekly and monthly).

20+21	2theory+ 4 practice	Ceramic veneers, inlay and onlays, clinical procedures	Learning the properties of ceramic resto, method of tooth prep.	Power Point lec.+ clinical work	Theoretical and practical exams (weekly and monthly).
22	1theory+ 2 practice	Fluoride releasing materials	Learning the advantages and comparison of different fluoride releasing materiales	Power Point lec.+ clinical work	Theoretical and practical exams (weekly and monthly).

Endodontic

Week	Hours	Subject name	Required learning outputs	Learning method	Assessment method
23	1 theoretical 2 practical	Objective of endodontic treatment	Know terminology and principle of endodontics	Power Point lec.+ clinical work	Quiz & practical evaluation
24	1 theoretical 2 practical	Basic Phases of Treatment	Know the steps of endodontic treatment and the interference between them	Power Point lec.+ clinical work	Quiz & practical evaluation
25	1 theoretical 2 practical	Pulp pathologies	Know the different health and pathological statuses of the pulp and their effect on treatment	Power Point lec.+ clinical work	Quiz & practical evaluation
26	1 theoretical 2 practical	Classification of periapical diseases	Know the different types of periapical pathology, their causes, symptoms and treatment	Power Point lec.+ clinical work	Quiz & practical evaluation
27	1 theoretical 2 practical	Access Opening Preparation	Know how to prepare ideal access cavity for different types of teeth and its effect on other phases and treatment outcome	Power Point lec.+ clinical work	Quiz & practical evaluation
28	1 theoretical 2 practical	Endodontic Instruments	Know different diagnostic, shaping and obturation instruments	Power Point lec.+ clinical work	Quiz & practical evaluation

29	1 theoretical 2 practical	Roentgenography in Endodontics	Know the role of X-ray in different phases of endodontic treatment	Power Point lec.+ clinical work	Quiz & practical evaluation
30	1 theoretical 2 practical	Root canal preparation	Know the principles and different strategies of shaping the root canals and preparing them for obturation	Power Point lec.+ clinical work	Quiz & practical evaluation

11. Course evaluation

Daily, quarterly, semi-annual and final theoretical exams + practical application on patients and extracted teeth in the college's educational clinics

12. Text book and references

Textbook of Operative Dentistry 4th.edition
Fundamentals of Operative Dentistry: A Contemporary Approach/ 3rd edition
Dental Composite Materials for Direct Restorations

Cohen's pathways of the pulp, eleventh edition
Ingle's endodontics 7

Scientific journals in the field of dentistry
Internet sites University of alzahrawi e-learning site