

**Faculty of Oral & Dental Medicine**

**Clinical Restorative Dentistry**

**Information :**

**Course Code :** CONS 516

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Faculty of Oral & Dental Medicine

**Instructor Information :**

Title	Name	Office hours
Professor	AHMED ZOHEIR HASSAN ELHOSHY	
Professor	Essam Eldin Abdelhafez Ahmed Nageib	6
Lecturer	SHERIF MOHAMED MOHAMED ABDELMONEIM KHADR	1
Lecturer	AHMED MOHAMED FOUAD KHALED	
Assistant Lecturer	Amr Mohamed Marzouk Nadiem Abouelenien	
Assistant Lecturer	Laila Akmal Emad Eldien Zaghloul El okaly	
Assistant Lecturer	Akram Gamal Mousa Ali Diab	
Assistant Lecturer	Hadeel Hamza Mohamed Mohamed Al Salamony	
Teaching Assistant	Ahmed Daa Eldin Abou Elseoud Ibrahim	
Teaching Assistant	Mohamed Alaa Eldin Mostafa Zoghdan	

**Area Of Study :**

This is the third in a series of three courses that are designed to teach the etiology, diagnosis, treatment and prevention of the disease, dental caries and its sequel, developmental disturbances, and regressive alterations that can occur to the teeth. In this final course the curriculum is tailored to match specific subjects that are the core to the continual improvement of operative dentistry. This curriculum enables the upcoming practicing dentists to expand their skills and knowledge through the available subjects that include: failures of the restorations and their repair, bleaching, management of root caries, management of cracked teeth, management of mutilated teeth

**Description :**

Bleaching, restoration of mutilated teeth, failure of restoration, repair of dental restorations, root caries and management of cracked teeth

**Course outcomes :**

**a. Knowledge and Understanding: :**

1 -	Explain the main causes of dentin hypersensitivity and how to be managed in a conservative manner.
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2 -	- Esthetic consideration on operative dentistry: "Áist the components of the esthetic formula, causes of esthetic defects and objectives of restoring esthetic "ÁCategories the limiting problems in restoring esthetic and to what extend these problems can be solved. "ÁDescribe the mechanism of color perception, and color parameters "ÁList the factors affecting the optical qualities of an object and the requirements for correct color determination "ÁSolve some esthetic problems and plan for esthetic cavity design using different restorative materials and techniques.
3 -	- Indirect esthetic restorations "ÁClassify the indirect restorations and list the indications and contraindications of indirect esthetic inlays "ÁOutline different techniques for fabrication of composite resin inlays and the advantage and disadvantage "ÁDescribe different types of ceramic inlays "ÁExplain the placement technique of indirect composite and ceramic inlays.
4 -	- Management of badly broken-down teeth "ÁList the indications for pin retained restorations "Á Differentiate between different types of pins and their techniques. "ÁOutline the cavity preparation design of badly broken down teeth "ÁExplain the mechanism of reinforcement of endodontically treated teeth.
5 -	- Failure of restorations "ÁList the criteria of successful restorations and state the causes of their failure. "Á Describe the failure manifestations of contemporary restorations.
6 -	- Repair of restorations. "ÁList the indication for repair of contemporary restoration "ÁDescribe the mechanism of repair for different contemporary restorations

**b. Intellectual Skills: :**

1 -	Design a treatment plan model.
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**c. Professional and Practical Skills: :**

1 -	The student will be able to perceive the patients and prepare the operating position and field accurately ( Either using the two hand technique or the four hand technique )
2 -	the student should be able to perform all cavity preparations design to receive different restorative materials according to the patient conditions.
3 -	student should be able to perform all cavity preparations designs to receive different restorative materials according to the patient conditions.
4 -	Should be able to deal with failed restorations either by removal or repair according to principles.
5 -	Student should be able to give the patient the appropriate advice to prevent disease recurrence

**d. General and Transferable Skills: :**

1 -	demonstrate appropriate professional attitudes and behavior in dealing with staff members & helping personnel and patients.
2 -	Apply the information technology as a mean of communication for data collection and analysis and for life-long learning
3 -	By the end of the course, students should be able to have knowledge of the hazard of ionizing radiation and regulation related to them including radiation protection and dose reduction.

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Failure of restorations	7		
Failure of restorations	7		
Repair of dental restorations	7		
Repair of dental restorations	7		
Management of badly broken-down teeth.	7		
Management of badly broken-down teeth.	7		
Bleaching	7		
Bleaching	7		

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Root caries	7		
Root caries	7		
Management of cracked teeth	7		
Management of cracked teeth	7		

**Teaching And Learning Methodologies :**

Lectures, assignments, Laboratory small group tutorials

Motor and manipulative skills ( Practical Skills):

Small group sessions

Practicing to imitate and to manipulate the desired clinical cases within the schedule time

**Course Assessment :**

Methods of assessment	Relative weight %	Week No	Assess What
1st Mid Term Examinations	15.00		assess knowledge and understanding
2nd Mid Term Examinations	15.00		assess knowledge and understanding
Final Practical Examination	15.00		
Final Written Examination	25.00		
Oral Examination	10.00		assess knowledge and intellectual skills
Practical Requirement	20.00		assess practical skills & general skills

**Course Notes :**

Department Hand-Outs : available for all students