

**Faculty of Oral & Dental Medicine**  
**Clinical Restorative and Esthetic Dentistry**

**Information :**

**Course Code :** RESTE 515      **Level :** Undergraduate      **Course Hours :** 3.00- Hours  
**Department :** Faculty of Oral & Dental Medicine

**Instructor Information :**

Title	Name	Office hours
Professor	Essam Eldin Abdelhafez Ahmed Nageib	
Lecturer	Amr Mohamed Marzouk Nadiem Abouelenien	
Lecturer	Laila Akmal Emad Eldien Zaghloul El okaly	
Assistant Lecturer	OMNIA MOHAMED SAMY MOSTAFA MOSTAFA GAROUDA	
Assistant Lecturer	BASSMA REDA ABDELHAFIZ MOHAMED HASSAN	
Teaching Assistant	Omar Mohamed Abdelkader Mohamed Hassan	
Teaching Assistant	Ahmed Mohamed Hossam Ibrahim Saleh Elmaety	
Teaching Assistant	Abdulrahman Ahmed Mohamed Ahmed Abdelaati	
Teaching Assistant	Mohamed Ihab Abdelmoneim Fottouh	
Teaching Assistant	Salma Abd Elrahman Ali Abd Allah	
Teaching Assistant	Rawan Wael Mohamed Serage	

**Area Of Study :**

This course is designed to expand the student knowledge through the available subjects that include: conservative approach, esthetic considerations, non-carious lesions, bonding to tooth tissues.

**Description :**

Conservative approach in restorative dentistry, Esthetic considerations in operative dentistry, Bonding to tooth tissues, Management of non-carious lesions, Smile design

**Course outcomes :**

**a. Knowledge and Understanding :**

1 -	1.a Understand the conservative approach in restorative dentistry.
2 -	2.a Discuss the main causes of the actual shift in the concepts of cavity extension.
3 -	3.a Sort the advanced diagnostic tools and cutting tools required to apply the non-invasive model of treatment.
4 -	4.a Sketch the recent conservative cavity designs and when to be used.
5 -	5.a List causes of esthetic defects and objectives of restoring esthetics.
6 -	6.a List the components of the esthetic formula.
7 -	7.a Describe the mechanism of color perception, and color parameters.

8 -	8.a List the factors affecting the optical qualities of an object and the requirements for correct color determination.
9 -	9.a List the factors essential for a successful adhesive junction and the requirement for an ideal dentin bonding agent.
10 -	10.a Outline the development performed in dentin bonding systems and their classification.
11 -	11.a Define bonding and different bonding mechanisms.
12 -	12.a Understand the properties of the tooth structure and its influence on the bonding mechanism.
13 -	13.a Point out causes of different non carious lesions and their clinical appearance
14 -	14.a Recognize the principles of digital smile design.

**b.Intellectual Skills: :**

1 -	1.b Compare between Black's principles of extension for prevention and the recent conservative approach.
2 -	2.b Plan for esthetic cavity design using different restorative materials and techniques.
3 -	3.b Compare between bonding to enamel and bonding to dentin.
4 -	4.b Differentiate between different non-carious lesions.
5 -	5.b Plan the treatment of different non-carious lesions.

**c.Professional and Practical Skills: :**

1 -	1.c Solve some esthetic problems using different restorative materials and techniques.
2 -	2.c Perform all cavity preparations design to receive different restorative materials according to the patient conditions.

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

1 -	1.d Demonstrate appropriate professional attitudes and behavior in dealing with staff members and patients.
2 -	2.d Apply the information technology as a mean of communication for data collection and analysis.
3 -	3.d Appreciate life-long learning.
4 -	4.d Manage time effectively.
5 -	5.d Work in a team collaboratively.
6 -	6.d Handle emergency situations professionally.

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Conservative approach in restorative dentistry			
Esthetic considerations in operative dentistry			
Bonding to tooth tissues			
Management of non-carious lesions			
Smile design			

**Teaching And Learning Methodologies :**

4-1. Lectures with discussion/ online recordings
4-2. Small group discussion
4-3. Clinical demonstrations

4-4. Clinical Requirements

4-5. E- learning

**Course Assessment :**

Methods of assessment	Relative weight %	Week No	Assess What
. Clinical examination to assess practical skills & general skills.	10.00		Oral Examination
Clinical Requirements log book (10 clinical cases).	15.00		Final Practical Examination
Oral examination/ sheets to assess knowledge and intellectual skills.	25.00		(Clinical Requirement)
written examination to assess knowledge and understanding.	25.00		Mid Term Examinations

**Course Notes :**

Course notes on the moodle platform available for all students.

**Recommended books :**

Recommended text book: %Contemporary Approach in Operative Dentistry %Summitts