

**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

**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.
<b>c. Professional and Practical Skills: :</b>	
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.
<b>d. General and Transferable Skills: :</b>	
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