

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

**Information :**

**Course Code :** RESTE 516      **Level :** Undergraduate      **Course Hours :** 3.00- Hours

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

**Area Of Study :**

- A. Enables the students to deal with esthetic indirect restorations.
- B. Enables the students to deal with failures of the restorations and their repair.
- C. Enables the students to manage cracked teeth and mutilated teeth.
- D. Enables the student to be familiar with tissue engineering and nanotechnology

**Description :**

Failure of restoration, Repair verses replacement of dental restorations, Indirect esthetic restorations, Restoration of mutilated teeth, Dentin hypersensitivity, Management of cracked tooth, Management of cracked tooth, Nanotechnology, Tissue engineering in restorative dentistry

**Course outcomes :**

**a. Knowledge and Understanding: :**

1 -	a1-Define dentin hypersensitivity and there main causes.
2 -	a2-discuss Treatment options for cracked tooth.
3 -	a3-Describe different types of ceramic inlays.
4 -	a4-recognise the placement technique of indirect composite and ceramic inlays.
5 -	a5-List the indications for pin retained restorations.
6 -	a6-State the mechanism of reinforcement of endodontically treated teeth.
7 -	a7-List the criteria of successful restorations and causes of their failure
8 -	a8-Describe new era of nanotechnology and %Tissue Engineering in Restorative dentistry+È

**b. Intellectual Skills: :**

1 -	B1-Design a treatment plan model.
2 -	B2- Plan for esthetic indirect cavity design using different restorative materials and techniques.
3 -	B3-Distinguish between the indirect restorative materials.
4 -	B4-Differentiate between different types of pins and their techniques.
5 -	B5-Categorize different techniques for fabrication of composite resin inlays.

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

1 -	C1-Outline the cavity preparation design of badly broken down teeth
2 -	C2-practice the proper operating position and field accurately.
3 -	C3- Prepare all cavity designs to receive different restorative materials according to the patient conditions.

4 - C4- repair failed restorations according to principles.

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

1 - D1- validate ethics in dental profession

2 - D2- Manage time effectively.

3 - D3- Handle emergence situations professionally.

4 - D4- Work in a team collaboratively.

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Failure of restoration			
Repair verses replacement of dental restorations			
Indirect esthetic restorations			
Restoration of mutilated teeth			
Dentin hypersensitivity			
Management of cracked tooth			
Nanotechnology			
Tissue engineering in restorative dentistry			

**Teaching And Learning Methodologies :**

Lectures with discussions

Clinical demonstration

Clinical demonstrations

E- learning.

**Course Assessment :**

Methods of assessment	Relative weight %	Week No	Assess What
assignments.	15.00		Final Practical Examination
Clinical examination to assess practical skills & general skills.	10.00		Oral Examination
Clinical requirements.	25.00		Final Written Examination
Oral examination 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, Department notes on moodle platform.

**Recommended books :**

online textbook: %Summitt's Fundamentals of Operative Dentistry: A Contemporary Approach, Fourth Edition 4th Edition, 2013