

Faculty of Oral & Dental Medicine

Restorative and Esthetic Dentistry Technology

Information :

Course Code : RESTE 311

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Faculty of Oral & Dental Medicine

Area Of Study :

- To educate the students about the fundamental principles of cavity preparation.
- To teach the students the classification and types of lesions affecting the tooth structure.
- To enable the students to recognize and use the different cutting instruments.

Description :

Introduction to operative dentistry., Cavity classification& nomenclature., General principles of cavity preparation., Instruments., Carious and non-carious lesion., Tooth form and Occlusion.

Course outcomes :

a.Knowledge and Understanding: :

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| 1 - | a1- Define the different principles of cavity preparation |
| 2 - | a2- Recognize the different cutting instruments |
| 3 - | a3- Identify the different types of non caries lesions. |
| 4 - | a4- Recognize how to restore the proper anatomy of the tooth and maintain the health of the soft tissue. |

b.Intellectual Skills: :

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| 1 - | b1-Analyze different sequence of cavity preparation and proper instrument usage. |
| 2 - | b2-Differentiate carious and non caries lesions. |
| 3 - | b3- Select the suitable cavity design according to carious lesion. |

c.Professional and Practical Skills: :

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| 1 - | c1- Apply the general principles of cavity preparation for different classes. |
| 2 - | c2- Use Properly the appropriate instrument. |
| 3 - | c3- Judging the practical practice (proper anatomy of the tooth, health of the soft tissue). |
| 4 - | c4- Apply the health and safety regulations within the laboratory environment. |

d.General and Transferable Skills: :

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| 1 - | d1- Recognize the value and role of lifelong learning. |
| 2 - | d2- Assess one's weakness and strengths. |
| 3 - | d3- Respect ethical behavior and professionalism. |
| 4 - | d4- Respect integrity, honesty, and trustworthiness. |

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Introduction to operative dentistry.			
Cavity classification& nomenclature.			
General principles of cavity preparation.			
Instruments.			
Carious and non-carious lesion.			
Tooth form and Occlusion.			

Teaching And Learning Methodologies :

Lectures with discussions.
Practical demonstrations.
E- learning.
Practical requirements.

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Logbook to assess practical requirements.	10.00		Oral Examination
Oral examination / sheets to assess knowledge and understanding.	15.00		Final Practical Examination
Practical examination to assess practical, intellectual, and general skills.	25.00		Class work (Practical requirement, attendance and lab test)
Written examination to assess knowledge and understanding.	25.00		Mid Term Examinations (Quiz and Mid-term)

Course Notes :

Course notes on the Moodle platform

Recommended books :

Online textbook: Contemporary Approach in Operative Dentistry Summit et al, 3rd ed., 2006