

Faculty of Oral & Dental Medicine

Fixed Prosthodontics Technology

Information :

Course Code : FPROS 312 **Level :** Undergraduate **Course Hours :** 3.00- Hours

Department : Faculty of Oral & Dental Medicine

Instructor Information :

Title	Name	Office hours
Lecturer	Engy Ibrahim Hassan Shohdy Ibrahim Dahroug	1
Assistant Lecturer	Heba Ahmed Hassan Elkhayat	
Assistant Lecturer	Yasmin Bassel Sayed Yehia Khulief	
Teaching Assistant	Nada Essam Mohamed Latef	
Teaching Assistant	Dina Taher Abdelnaby Eltoukhy	

Area Of Study :

To educate the students about the basics of different principles of tooth preparation to receive veneered crown restorations.

To enable the students to understand the different technical laboratory steps (dies , wax pattern , spruing , investing , and casting procedures).

Description :

- 1 Working casts and dies
- 2 Wax patterns methods and techniques .
- 3 Different metal alloys used for casting
- 4 Spruing
- 5 Investing
- 6 Casting and casting errors

Course outcomes :

a.Knowledge and Understanding: :

1 -	a1- Define the different principles of tooth preparation to receive veneered crown restorations
2 -	a2- classify different types of dental casting alloys.
3 -	a3- Identify the different technical laboratory steps employed in construction of cast metal restorations.

b.Intellectual Skills: :

1 -	b1- select properly different materials suitable for casting of different casting alloys.
2 -	b2- Identify different causes of casting failure.

c. Professional and Practical Skills: :

1 -	c1- construct wax pattern for full veneer metal crown
2 -	c2- construct wax pattern for veneered crown
3 -	c3- construct wax pattern for all- ceramic crown

d. General and Transferable Skills: :

1 -	D1. Recognize the value and role of lifelong learning, self assessment and critical thinking in maintaining competency
2 -	D2. Manage time effectively
3 -	D3. Use IT resources effectively.

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Working casts and dies			
Wax patterns methods and techniques .			
Different metal alloys used for casting			
Spruing			
Investing			
Casting and casting errors			

Teaching And Learning Methodologies :

Lectures
Laboratory sessions.
Demonstrations.
Practical requirement