

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
Associate Professor	MOSTAFA ELSAYED MOHAMED ABOUSHAHBA	
Lecturer	Engy Ibrahim Hassan Shohdy Ibrahim Dahroug	
Assistant Lecturer	Hend Abd El Moniem Mohamed Ahmed	
Teaching Assistant	Asmaa Ahmed Ibrahim Mohamed Montaser	
Teaching Assistant	Saif Eldine Wael Mohamed Wagdy Gharib	

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