

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
Professor	Ahmed Khaled Mohamed Abu Al Fadl Ibrahim	
Associate Professor	MOSTAFA ELSAYED MOHAMED ABOUSHAHBA	
Lecturer	Heba Ahmed Hassan Elkhayat	
Lecturer	Engy Ibrahim Hassan Shohdy Ibrahim Dahroug	1
Lecturer	Engy Ibrahim Hassan Shohdy Ibrahim Dahroug	1
Lecturer	Mai Salah EIDin Abdel Azim Mohamed	
Lecturer	Omar Hussein Mohamed Abdelbary	
Lecturer	Heba Ahmed Hassan Elkhayat	
Lecturer	Samaa Nagy Abdel Salam Mohamed Kotb	
Lecturer	Omar Hussein Mohamed Abdelbary	
Assistant Lecturer	Mohamed Hamdy Abdulmaguied Mohamed Atta Shrmna	
Assistant Lecturer	Yasmin Bassel Sayed Yehia Khulief	
Assistant Lecturer	Asmaa Ahmed Ibrahim Mohamed Montaser	
Teaching Assistant	Nada Essam Mohamed Latef	
Teaching Assistant	Mostafa Gamal Mostafa korany Mostafa	
Teaching Assistant	Ahmed Saad Fathy Hassan Saad	
Teaching Assistant	Rim Wael Mostafa Fouad Elbalkimy	
Teaching Assistant	Dina Taher Abdelnaby Eltoukhy	
Teaching Assistant	Samer Shawky Mohamed Mohamed Ismail	
Teaching Assistant	Ali Gamal Elsadawy Elaraby	
Teaching Assistant	Dina Taher Abdelnaby Eltoukhy	
Teaching Assistant	NOURHAN AMR AHMED AMIN HATHOUT	

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