

## Faculty of Oral & Dental Medicine

### Crowns & Bridges Technology

#### Information :

**Course Code :** PROS 322

**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	
Associate Professor	Mennatallah Mohieeldin Wahba Alyeldin Mohamed	
Lecturer	Omar Hussein Mohamed Abdelbary	
Assistant Lecturer	Hend Abd El Moniem Mohamed Ahmed	
Teaching Assistant	Mostafa Gamal Mostafa korany Mostafa	
Teaching Assistant	Asmaa Ahmed Ibrahim Mohamed Montaser	
Teaching Assistant	Ali Gamal Elsadawy Elaraby	
Teaching Assistant	Saif Eldine Wael Mohamed Wagdy Gharib	
Teaching Assistant	Nourhan Amr Ahmed Amin Hathout	
Teaching Assistant	Mohamed Hamdy Abdulmaguied Mohamed Atta Shrmama	

#### 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 recognize and use the different cutting instruments..
- To enable the students to understand the different technical laboratory steps ( dies , wax pattern , spruing investing , casting and casting procedures ).

#### Description :

All non metallic crowns preparation and construction, veneered crown preparation and construction, impression materials and techniques, single and removable die techniques and bite registration techniques.

#### Course outcomes :

##### **a.Knowledge and Understanding: :**

1 -	Define the different principles of tooth preparation to receive veneered crown restorations
2 -	Recognize the different cutting instruments
3 -	Identify the different technical laboratory steps employed in construction

##### **b.Intellectual Skills: :**

1 -	Recognize the health and and safety regulations within the laboratory
2 -	Maintain a professional image in a manner, dress, speech, and

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

1 -	Apply the principles of tooth preparation to receive veneered crown restorations
2 -	Use Properly the appropriate instrument
3 -	Perform satisfactorily the different technical steps( dies , wax pattern , spruing investing , casting and casting procedures ).

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

1 -	Health safety-infection control implement infection control policies
2 -	Recognition of the value and role of life long learning, self assessment, and critical thinking in maintaining competency
3 -	Evaluate personal progress and be able to assess ones weakness and strengths.
4 -	Have an awareness of moral and ethical responsibilities involved in the
5 -	Have integrity,honesty and trustworthiness
6 -	Treat the Patient as a person not as a disease
7 -	Maintain a professional image in manner, dress, speech, and interpersonal
8 -	Recognize the Egyptian healthcare system and the community based resources and services available and to be able to utilize them to provide high quality care to the patient and to community
9 -	Understand epidemiological techniques used to determine social, behavioral,

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Veneered Crown	5	Veneered Crown	Wax pattern jacket crown
Veneered Crown	5	Veneered Crown	Wax pattern jacket crown
Working cast & dies	5	Working cast & dies	Wax pattern jacket crown
Working cast & dies	5	Working cast & dies	Preparation of veneered crowns
Working cast & dies	5	Working cast & dies	Preparation of veneered crowns
Wax pattern	5	Wax pattern	Preparation of veneered crowns
Wax pattern	5	Wax pattern	Preparation of veneered crowns
Dental casting alloys	5	Dental casting alloys	Preparation of veneered crowns
Spruing	5	Spruing	Preparation of veneered crowns
Investing	5	Investing	Wax pattern veneered crown
Casting	5	Casting	Wax pattern veneered crown
Casting failure	5	Casting failure	Wax pattern veneered crown

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Casting failure	5	Casting failure	Wax pattern veneered crown

**Teaching And Learning Methodologies :**

Lectures

Clinical sessions.

Small group discussion

Demonstration

Practical (Laboratory) Training and Requirements

Clinical Requirements

E-Learning

PBL

**Course Assessment :**

Methods of assessment	Relative weight %	Week No	Assess What
1st Mid Term Exam	15.00		assess knowledge and understanding
2nd Mid Term Exam	15.00		assess knowledge and understanding
Final Practical Examination	15.00		
Final Written Examination	25.00		
Oral Examination	10.00		
Practical Requirement	20.00		assess clinical skills , intellectual and general skills