

## 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 |
|--------------------|---|--------------|
| Lecturer           | Engy Ibrahim Hassan Shohdy Ibrahim Dahroug      | 0            |
| Lecturer           | Samaa Nagy Abdel Salam Mohamed Kotb             | 2            |
| Assistant Lecturer | Mohamed Hamdy Abdulmaguied Mohamed Atta Shrmama |              |
| Teaching Assistant | Dina Taher Abdelnaby Eltokhy                    |              |

#### 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 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     |
| 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 |