

## **Faculty of Oral & Dental Medicine**

### **Crowns & Bridges Technology**

#### **Information:**

Course Code: PROS 321 Level: Undergraduate Course Hours: 3.00- Hours

**Department:** Faculty of Oral & Dental Medicine

| Instructor Information: |   |              |  |  |  |
|-------------------------|---|--------------|--|--|--|
| Title                   | Name  | Office hours |  |  |  |
| Associate Professor     | Mennatallah Mohieeldin Wahba Alyeldin Mohamed |              |  |  |  |
| Lecturer                | Omar Hussein Mohamed Abdelbary                |              |  |  |  |
| Assistant Lecturer      | Yasmin Bassel Sayed Yehia Khulief             |              |  |  |  |
| Teaching Assistant      | Nada Essam Mohamed Latef                      |              |  |  |  |

### Area Of Study:

### **Description:**

Basic knowledge about the terminology and classification, instruments, types of finish lines, principles of tooth reduction, full metal crown preparation and casting procedures

| Course ou                        | itcomes :   |  |  |  |
|----------------------------------|---|--|--|--|
| a.Knowledge and Understanding: : |   |  |  |  |
| 1 -                              | Define the different principles of tooth preparation  |  |  |  |
| 2 -                              | Recognize the different cutting instruments   |  |  |  |
| 3 -                              | Identify the different technical laboratory steps of tooth preparation of full metal and Jacket crown and various types of restorations |  |  |  |
| o.Intellect                      | ual Skills: :   |  |  |  |
| 1 -                              | Recognize the health and and safety regulations within the laboratory   |  |  |  |
| 2 -                              | Maintain a professional image in a manner, dress, speech, and   |  |  |  |
| .Professi                        | onal and Practical Skills: :  |  |  |  |
| 1 -                              | Apply the principles of tooth preparation   |  |  |  |
| 2 -                              | Use Properly the appropriate instrument   |  |  |  |
| 3 -                              | Perform satisfactorily the different technical steps of full metal and all ceramic ( Jacket ) crowns preparation                        |  |  |  |
| d.General                        | and Transferable Skills: :  |  |  |  |
| 1 -                              | Health safety-infection control implement infection control policies  |  |  |  |

<sup>&</sup>quot;ÁTo educate the students about the basics of different principles of tooth preparation.

<sup>&</sup>quot;ÁTo enable the students to recognize and use the different cutting instruments...

<sup>&</sup>quot;A o enable the students to understand the different technical laboratory steps of full metal and jacket crown preparation



| 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 - | Ethical behavior and professionalism   |  |  |  |
| 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 - | Skills related to social and community context of health care :  |  |  |  |
| 9 - | Understand epidemiological techniques used to determine social, behavioral,  |  |  |  |

| Course Topic And Contents :     |              |   |                                 |
|---------------------------------|--------------|---|---------------------------------|
| Topic                           | No. of hours | Lecture                                   | Tutorial / Practical            |
| Terminology and Classification  | 5            | Terminolo<br>gy and<br>Classificati<br>on | Terminology and Classification  |
| Terminology and Classification  | 5            | Terminolo<br>gy and<br>Classificati<br>on | Terminology and Classification  |
| Instruments                     | 5            | Instrument<br>s                           | Instruments                     |
| Full metal crown                | 5            | Full metal crown                          | Full metal crown                |
| Full metal crown                | 5            | Full metal crown                          | Full metal crown                |
| Principles of tooth preparation | 5            | Principles<br>of tooth<br>preparatio<br>n | Principles of tooth preparation |
| Principles of tooth preparation | 5            | Principles<br>of tooth<br>preparatio<br>n | Principles of tooth preparation |
| Principles of tooth preparation | 5            | Principles<br>of tooth<br>preparatio<br>n | Principles of tooth preparation |
| Principles of tooth preparation | 5            | Principles<br>of tooth<br>preparatio<br>n | Principles of tooth preparation |
| Jacket crown                    | 5            | Jacket<br>crown                           | Jacket crown+2nd<br>Midterm     |
| Jacket crown                    | 5            | Jacket<br>crown                           | Jacket crown                    |
| Revision                        | 5            | Revision                                  | Revision                        |
| Revision                        | 5            | Revision                                  | Revision                        |



# **Teaching And Learning Methodologies:**

Lectures

Clinical sessions

Demonstration

Small group discussion

Practical (Laboratory) Training and 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             |         | clinical skills, intellectual and general                |  |  |  |
| Final Written Examination   | 25.00             |         | knowledge and understanding.                             |  |  |  |
| Oral Examination            | 10.00             |         |  |  |  |  |
| Practical Work              | 20.00             |         | assess clinical skills , intellectual and general skills |  |  |  |