

## Faculty of Oral & Dental Medicine

### Clinical Crowns & Bridges

#### Information :

**Course Code :** PROS 526

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

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

#### Instructor Information :

| Title               | Name                                 | Office hours |
|---------------------|--------------------------------------|--------------|
| Associate Professor | SHEREEN AHMED ABDELMAQSoud NOSSAIR   | 2            |
| Lecturer            | Hesham Samir Saad Sabet              | 2            |
| Teaching Assistant  | Mostafa Gamal Mostafa korany Mostafa |              |
| Teaching Assistant  | Nada Essam Mohamed Latef             |              |
| Teaching Assistant  | Ali Gamal Elsadawy Elaraby           |              |
| Teaching Assistant  | Samer Shawky Mohamed Mohamed Ismail  |              |
| Teaching Assistant  | Ahmed Saad Fathy Hassan Saad         |              |
| Teaching Assistant  | Rim Wael Mostafa Fouad Elbalkimy     |              |

#### Area Of Study :

"To educate the students about the basics of laminate veneers and resin bonded fixed partial dentures : how to select the case , steps of tooth preparation and the different methods of construction .  
 "To familiarize the student with different recent treatment modalities af varying difficulties.  
 "To enable students to detect the causes of fixed prosthodontic failure and their management.  
 "To make student acquainted with implant supported fixed restorations and its applications.  
 "To educate students about the care and maintenance aspect of the fixed restorations.  
 "To familiarize students with the principles of fixed prosthodontics removal and repair .  
 To educate the students about the basics of esthetic considerations

#### Description :

laminate veneers, resin bonded restorations, faliures of fixed prosthodontics, esthetic considerations of fixed prosthodontics, implants, removal and repair of fixed prosthodontics.

#### Course outcomes :

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

|     |  |
|-----|--|
| 1 - | Relate the basics of diagnosis with the treatment planning of implant retained fixed restorations .          |
| 2 - | Recognize the biological , mechanical and esthetic aspects of fixed prosthodontic failures and how to manage |
| 3 - | Describe the principles of fixed prosthodontics removal and repair.  |
| 4 - | Identify the principles of esthetics and its achievement   |

|  |  |
|--|--|
| 5 -  | Explain the principles of preparations, constructions and clinical applications of esthetic conservative restorations  |
| 6 -  | Describe the care and maintenance procedures   |
| <b>b. Intellectual Skills: :</b>               |  |
| 1 -  | Manage the different clinical situations to prepare and construct porcelain laminate veneers and resin bonded restorations .   |
| 2 -  | Apply the protective measures during the steps of tooth preparation in order to fulfill esthetic and biological considerations of implant retained fixed prosthodontics .                        |
| 3 -  | Assess properly the success and failure of the final restorations and manage the failure   |
| <b>c. Professional and Practical Skills: :</b> |  |
| 1 -  | Practice the steps of restoration of porcelain laminate veneers  |
| 2 -  | Practice the steps of restoration of of endodontically treated teeth with the different post crown systems .   |
| 3 -  | Perform properly the steps of tooth preparations taking into consideration the biological and periodontal aspects to receive resin bonded restorations   |
| 4 -  | Practice the different replacement options according to the selected bridge design   |
| 5 -  | Appraise the quality of the final restoration and correct the imperfections or remake  |
| 6 -  | Assess patient education as regard oral hygiene measures and post operative care.  |
| <b>d. General and Transferable Skills: :</b>   |  |
| 1 -  | Patient Doctor relationship:   |
| 2 -  | Demonstrate respect to all patients irrespective to their socioeconomic levels, cultures or religious beliefs  |
| 3 -  | Provide appropriate basic patient education.   |
| 4 -  | Health-safety-infection control:   |
| 5 -  | Implement infection control policies.  |
| 6 -  | Life-long learning   |
| 7 -  | Recognize of the value and role of life long learning, self assessment, and critical thinking in maintaining competency.   |
| 8 -  | Evaluate personal progress and be able to assess ones weakness and strengths.  |
| 9 -  | ethical behavior and professionalism   |
| 10 -   | Have an awareness of moral and ethical responsibilities involved in the provision of care to individual patients and community.  |
| 11 -   | Have integrity, honesty and trustworthiness  |
| 12 -   | Meet patients needs and expectations   |
| 13 -   | Treat the patient as a person not as a disease   |
| 14 -   | maintain a professional image in manner, dress, speech, and interpersonal relationship that is consistent with the health care international standards   |
| 15 -   | Skills related to social and community context of health care.   |
| 16 -   | Recognize the Egyptian healthcare system and the community based resources and services available and to able to utilized them to provide high quality care to the patient and to the community. |
| 17 -   | Understand epidemiological techniques used to determine social, behavioral, environmental, and economic influences on oral and dental health   |
| 18 -   | Share actively in heath promotion and disease prevention program that benefit the community.   |

### **Course Topic And Contents :**

| <b>Topic</b>   | <b>No. of hours</b> | <b>Lecture</b>                                       | <b>Tutorial / Practical</b> |
|--|---------------------|--|-----------------------------|
| Laminate Veneers                                     | 7                   | Laminat veneers                                      |                             |
| Resin bonded restorations                            | 7                   | Resin bonded restoration s (Indication s, Contra ind |                             |
| Implant supported fixed prosthodontics .             | 7                   | Resin bonded restoration s (Constructi on)           |                             |
| Failures of fixed prosthodontics and how to manage . | 7                   | Failures of fixed prosthodon tics                    |                             |
| Esthetic considerations of fixed prosthodontics .    | 7                   | Failures of fixed prosthodon tics                    |                             |
| Repair and Removal of fixed resorations              | 7                   | Esthetic considerati ons for fixed prosthodon tics   |                             |
| Care and maintenance                                 | 7                   | Implants and fixed prosthodon tics                   |                             |
| Problem solving of special difficult cases           | 7                   | Implants and fixed prosthodon tics                   |                             |

### **Teaching And Learning Methodologies :**

Lectures

Lectures with discussion

Panel of experts

Brain storming

Videotapes

Class discussion

Small group discussion

case studies

Role playing

Report-Back session

Worksheets/surveys

Index card exercise

Guest speaker

Values clarification exercise

Demonstrations

#### **Course Assessment :**

| Methods of assessment | Relative weight % | Week No | Assess What   |
|-----------------------|-------------------|---------|---|
| Class work            | 20.00             |         | Log Books to assess clinical skills                     |
| Final Written Exam    | 25.00             |         |   |
| Mid Term Examinations | 30.00             |         | assess knowledge and understanding                      |
| Oral Examination      | 10.00             |         | assess knowledge and understanding                      |
| Practical Examination | 15.00             |         | assess clinical skills, intellectual and general skills |

#### **Course Notes :**

Department Books : available for all students

#### **Periodicals :**

Text books : rosenthiel-Schillingburg-Jhonson-Tylman