

**Faculty of Oral & Dental Medicine**  
**Removable Prosthodontics Technology**

**Information :**

**Course Code :** RPROS311      **Level :** Undergraduate      **Course Hours :** 3.00- Hours  
**Department :** Faculty of Oral & Dental Medicine

**Instructor Information :**

| Title               | Name                                      | Office hours |
|---------------------|-------------------------------------------|--------------|
| Professor           | AHMED ABDELWAHED YOUSSEF SHAABAN          |              |
| Associate Professor | Aya Mohamed Fawzy Hafez Ibrahim           |              |
| Lecturer            | Sonal Abdel Baseer Abdel Kader Abdel Aziz |              |
| Assistant Lecturer  | Medhat Sameh Shehata Abdelaziz            |              |

**Area Of Study :**

ÇThis course is designed to familiarize the students with instruments, materials and laboratory procedures and techniques used for complete denture prosthodontics.  
ÇThe student will study the complete denture components and principles of complete denture design and construction.  
ÇThe laboratory and clinical procedures will be taught and their interdependence stressed.

**Description :**

Steps of complete denture construction, anatomy and physiology, Impression trays and techniques, Relief and posterior palatal seal, Retention and stability, Occlusion blocks, TMJ and mandibular movements, Jaw relation record ,Face bow, Articulators, Selection of artificial teeth and arrangement, Waxing up and processing..

**Course outcomes :**

**a. Knowledge and Understanding: :**

|     |                                                                              |
|-----|------------------------------------------------------------------------------|
| 1 - | List various types of artificial teeth.                                      |
| 2 - | List types of face bows and articulators                                     |
| 3 - | Define relief and posterior palatal seal.                                    |
| 4 - | Define retention and stability.                                              |
| 5 - | Identify various types of impression techniques and trays.                   |
| 6 - | Explain various mandibular movements and jaw relations and occlusion blocks. |
| 7 - | Define different steps for complete denture construction                     |
| 8 - | Describe the anatomy and physiology of the oral cavity                       |

**b. Intellectual Skills: :**

|     |                                                                                                              |
|-----|--------------------------------------------------------------------------------------------------------------|
| 1 - | Make decisions regarding common technical discrepancies and faults using appropriate problem solving skills. |
| 2 - | Assess the typical problems that can occur during complete denture construction.                             |

|                                                |                                                                                                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 3 -                                            | Interpret normal and abnormal edentulous anatomy and its relationship to complete denture fabrication                  |
| <b>c. Professional and Practical Skills: :</b> |                                                                                                                        |
| 1 -                                            | Perform the laboratory steps required to fabricate a complete denture.                                                 |
| 2 -                                            | Use various instrument used in fabrication of complete dentures.                                                       |
| 3 -                                            | Manipulate the dental materials necessary to fabricate a complete denture                                              |
| <b>d. General and Transferable Skills: :</b>   |                                                                                                                        |
| 1 -                                            | Uses the information technology to improve the education through self ñ directed learning and research work activities |
| 2 -                                            | Self evaluates the professional abilities, performance and progress.                                                   |

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

| Topic                                                          | No. of hours | Lecture | Tutorial / Practical |
|----------------------------------------------------------------|--------------|---------|----------------------|
| Steps of complete denture construction, anatomy and physiology | 1            | 1       |                      |
| Impression trays and techniques                                | 1            | 1       |                      |
| Relief and posterior palatal seal                              | 1            | 1       |                      |
| Retention and stability                                        | 1            | 1       |                      |
| Occlusion blocks                                               | 1            | 1       |                      |
| TMJ and mandibular movements                                   | 1            | 1       |                      |
| Jaw relation record                                            | 1            | 1       |                      |
| Face bow, Articulators                                         | 1            | 1       |                      |
| Selection of artificial teeth and arrangement                  | 1            | 1       |                      |
| Waxing up and processing.                                      | 1            | 1       |                      |

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

|                     |
|---------------------|
| Lectures            |
| Laboratory training |
| Requirements        |

#### **Course Assessment :**

| Methods of assessment       | Relative weight % | Week No | Assess What |
|-----------------------------|-------------------|---------|-------------|
| final Practical examination | 15.00             |         |             |
| final written               | 25.00             |         |             |
| midterm                     | 25.00             |         |             |
| Oral examination            | 10.00             |         |             |
| Requirements                | 25.00             |         |             |

#### **Course Notes :**

course notes  
department notes  
powerpoint presentations

**Recommended books :**

Prosthetic Treatment For Edentulous Patients: Complete Dentures And Implant-Supported Prostheses By George A. Zarb, John Hobkirk, Steven Eckert, Rhonda Jacob