



Department of Prosthetic Dentistry

Head: Associate professor Dr Edward Kijak DMD, MSc, PhD

**Prosthodontics - Clinical classes, IV year English Division
2025/2026, summer term**

Place of classes: Clinical rooms PR1,PR2, Department of Prosthodontics, 26 Krakowska St., first floor

No.	Date	CONTENT AND METHODS
1	26.02.;	Organizational information - introduction. Anatomical impressions - handling of the finished impression. Principles of disinfection., diagnostic models of the maxilla and mandible - discussion of the principles of making + practice on yourself. Assisting and attendance in clinical procedures.
2	05.03.;	Other types of impressions used in prosthodontics: Functional, two-layer, special - principles of preparing the prosthetic field for impressions. Masses for different types of impressions - properties. Assisting and attendance in clinical procedures.
3	12.03.;	Interview and examination of the patient- discussion. Demonstration of prosthetic patient examination, discussion of the importance of characteristic symptoms. Additional examinations to make a complete diagnosis. Results of additional examinations - discussion. Assisting and attendance in clinical procedures.
4	19.03.;	Pre-prosthetic treatment: periodontal, surgical, conservative, orthodontic. Possibilities and limitations. Construction and use of the facial arch, articulators. Exercises of insertion of the facial arch. Assisting and attendance in clinical procedures.
5	26.03.;	CHECK OF KNOWLEDGE ; Assisting and attendance in clinical procedures.
6	09.04.;	Principles of prosthetic treatment planning. Responsibilities of the doctor and technician. Partial dentures. Forces holding the prosthesis in place. Definition and properties of the retention surface. Principles of bracket design. Complete dentures - principles of construction, forces keeping a complete denture on the substrate. Assisting and attendance in clinical procedures.
7	16.04.;	Partial dentures. Forces that keep the prosthesis in place. Definition and properties of the retention surface. Principles of bracket design. Assisting and attendance in clinical procedures.
8	23.04.;	Complete dentures - principles of construction, forces keeping a complete denture on the substrate. Assisting and attendance in clinical procedures.
9	30.04.;	Evaluation of an edentulous substrate. Prosthetics: alveolar processes, mucosa. Classifications of the edentulous oral cavity. Preparation for prosthetic treatment - individual spoons. Assisting and attendance in clinical procedures.
10	07.05.;	Determination of the central, staggered position of the mandible: staggered pattern, methods of determining the central stagger, principles of selection of artificial teeth. Assisting and attendance in clinical procedures. Assisting and attendance in clinical procedures.

11	14.05.;	Setting teeth in complete dentures - general and specific principles (static, articulatory method, static-articulatory). Assisting and attendance in clinical procedures.
12	21.05.;	Trial dentures. Handing over the finished dentures, instructing the patient on the rules of use. Errors in the performance of partial dentures settling. Denture repairs - principles of repairing removable and fixed dentures. Assisting and attendance in clinical procedures.
13	28.05.;	CHECK OF KNOWLEDGE ; Assisting and attendance in clinical procedures.
14	11.06.;	Catching up on missed work. Improvement of the test. Assisting and attendance in clinical procedures.
15	16.06.;	Passing the exercises. Assisting and attendance in clinical procedures.

Specific requirements for obtaining credit for 4th year students :

1. The credit for passing the theoretical knowledge from classes, seminars and lectures with the leading assistant. Oral answer, written test or single-choice test.

2. Receiving a credit for practical skills from the teaching assistant according to the individually performed work on phantoms and clinical procedures.

3. Phantom works and clinical procedures necessary for obtaining 4th year credit (annual standard):

- **Active assist in the performance of clinical procedures**

- ability to perform the clinical steps necessary for the fabrication of crowns, inlays and bridges,

- grinding of the tooth for crowns and bridges, preparation of the tooth for an inlay

- taking precise impressions with one-step and two-step techniques,

- taking an anatomical impressions,

- taking functional impressions on trays,

- determining and registering the height of the occlusion in edentulous patients,

- **phantom works required to complete the course**

- Preparing a tooth for a metal-ceramic crown on the phantom,

- preparation of teeth for a metal-ceramic bridge

- establishing and recording short circuits on the phantoms,

- scanning the dental arches on the phantoms,

- designing simple restorations in CAD/CAM technique on the basis of the phantoms,

4. All manual works on phantoms and phantom models are made individually, one of each.

5. In clinical classes the work mentioned above is performed directly at the patient in teams of two, one as active assistants and other as preparator in turns.

Each student should acquire these skills as a preparator and as an active assistant.

Basic literature

1. Shillinburg H.T.: Fundamentals of Fixed Prosthodontics. Quintessence Publ. Co Ltd 1997.

2. Craig R.G., Powers J.M.: Restorative Dental Materials. Mosby 2002.

3. Carr A.B., McGivney G.P., Brown D.T.: McCracken's Removable Partial Prosthodontics. Mosby 2005,

Additional literature and other materials

1. Hayakawa I.: Principles and Practices of Complete Dentures, Quintessence Publishing Co Ltd 2001

2. Davis S.J., Gray R.J.M.: A Clinical guide to Occlusion. British Dental Journal Books 2006.