

**PRECLINICAL PROSTHETIC DENTAL MEDICINE
CURRICULUM OF LECTURES**

**1 year, 2 semester /summer/
15 weeks, 2 hours every second week = 15 academic hours**

Week	Lecture subjects
1	I. General classification of prosthetic restorations. Artificial veneer crowns. Tooth preparation for complete veneer crowns. Impressions and master casts. II. Pouring the impression and fabricating a master cast with removable dies. Die preparation /demonstration/.
3	III. Gnathology and Occlusodontics. Basic positions of the mandible. Central occlusion, centric relation, myocentric occlusion. Lateral and anterior occlusion. Occlusal morphology. IV. Technology of complete metal crown and resin veneer crown - "Adapta" system. Technology of complete metal crown with a wax coping – dipping technique. Wax pattern fabrication /demonstration/.
5	V. Functional-mechanical equilibrium of the periodontium. Muscle forces. Masticatory pressure. Periodontal pressure. VI. Tooth crown wax modeling technique /film/.
7	VII. Biomechanics of mandibular movements. Basic movements. Theory of mandibular movements. General types of articulators. VIII. Custom cast post and core /demonstration/. Contouring and polishing of the metal restorations.
9	IX. Physiologic-functional alterations of the masticatory system. Dental attrition, abrasion and erosion. X. Technology of ceramic and acrylic resin crown /demonstration/.
11	XI. Physiologic-functional alterations of the masticatory system. Periodontal alterations. Clinical root and clinical crown. Changes following partial edentulism. Changes in TMJ and maxillofacial muscles following complete edentulism. Reference points. XII. General types of resin veneer crowns and porcelain fused to metal crowns.
13	XIII. Methods for functional diagnostics of the masticatory system. XIV. Technology of complete porcelain veneer crown and porcelain fused to metal crown.
15	XV. Partial veneer crowns. Classification and technology.

**CURRICULUM OF PRACTICAL TRAINING IN
PRECLINICAL PROSTHETIC DENTAL MEDICINE**

**1 year, 2 semester /summer/
15 weeks, 4 hours practical training in a week = 60 training hours**

Week	Practical training subjects
1	I. Prosthetic treatment of tooth crown destruction. Types of artificial crowns. Fabricating a master cast with removable dies. Mounting of the master cast with removable dies on an articulator.
2	II. Technology of metal-acrylic crown – «Adapta» system on tooth 24.
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5	III. Technology of complete metal crown – «Adapta» system on tooth 26.
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7	IV. Technology of complete metal crown – wax dipping technique on tooth 45.
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9	V. Technology of complete metal crown – wax dipping technique on tooth 47.
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11	VI. Technology of complete metal crown on tooth 26 and metal-acrylic crown on tooth 24 – contouring, applying the esthetic acrylic veneering, polishing.
12	VII. Technology of cast metal crowns on teeth 45 and 47 – contouring and polishing.
13	VIII. Restoration of dental crowns with severe tooth crown destruction. Cast post-and-core on tooth 21 – preparing, modeling.
14	IX. Restoration of dental crowns with severe tooth crown destruction. Cast post-and-core on tooth 21 – contouring and adjusting.
15	X. Technology of acrylic resin crown on tooth 21 – modeling, mold preparation, polymerization of acrylics.
15	XI. Technology of acrylic resin crown on tooth 21 – contouring and polishing. Presentation of the semester work to the main lecturer.