

**Protective technology**  
**II. year, summer semester**

1. Basic Dental Laboratory Equipment - Instruments, Materials
2. Model/cast materials - classification, properties, processing methods
3. Possibilities of using polymers in dentistry and their processing
4. Base polymers - classification, properties, indications, processing methods
5. Crown polymers - classification, properties, indications, processing methods
6. Composite resins - classification, properties, processing methods
7. Dental alloys - classification, properties, uses
8. Dental alloys - possibilities of processing in a dental laboratory
9. Dental ceramics - classification, properties, indications
10. Dental ceramics - possibilities of processing in dentistry
11. Impression materials - classification, characteristics of individual types, indication
12. Methods of imprinting/impressions in dentistry
13. Transport and processing of impressions
14. Forming masses/investment materials - classification, properties, processing methods
15. Cements in dentistry - classification, properties, indications, processing methods
16. Waxes in dentistry - classification, properties, use
17. Computer-controlled technology - CAD / CAM, MAD / MAM
18. Final processing of dental prostheses
19. Color in dentistry - optical properties of aesthetic materials, principles of color selection, possibility of achieving the appropriate color effect of dentures
20. Metaloceramics/PFM - characterization, indication, working procedure
21. Individual/custom impression tray - characteristics, indication, process of production
22. Occlusal rims - characteristics, indication, production process
23. Basic rules of denture teeth setting
24. Preparations for fixed restorations
25. Adhesive preparations and materials