

SCHEDULE OF CLASSES
«MODERN TECHNOLOGIES IN DENTISTRY»
Anglophone Students of the 1 Course
Specialty « DENTISTRY »
2 term of 2024/2025

LECTURES

Week №	Date	Time	Topic
Topic 1. Application of modern technologies in Dentistry			
1	February 3	18:00-19:35	Sanitary and hygienic processing of dental instruments and materials
3	February 17	18:00-19:35	Modern dental equipment. Fundamentals of Electrical Safety
5	March 3	18:00-19:35	Laser radiation in Dentistry
7	March 17	18:00-19:35	Methods of ionizing Introscopy in Dentistry and Maxillofacial Surgery
9	March 31	18:00-19:35	Nanotechnology in Dentistry
11	April 14	18:00-19:35	Digital Technologies in Dentistry
Topic 2. Physical properties of materials in Dentistry			
13	April 28	18:00-19:35	Luminescence and its application in dentistry
15	May 12	18:00-19:35	Methods for measuring the mechanical properties of materials
17	May 26	18:00-19:35	Mechanical characteristics of metals and alloys in Dentistry. Abrasive wear, roughness, grinding, polishing in dentistry

PRACTICAL CLASSES

Week №	Date	Time	Topic
Topic 1. Application of modern technologies in Dentistry			
2	February 11	09:00-10:35	Physical methods of sanitary and hygienic processing of dental instruments <i>Laboratory work «Comparison of various methods of sanitary and hygienic processing of dental instruments».</i>
4	February 25	09:00-10:35	Ultrasonic Dental Devices and Apparatus <i>Laboratory work «Calorimetric method for determining the useful power of an ultrasonic sterilizer».</i>
6	March 11	09:00-10:35	Laser Technologies in Dentistry
8	March 25	09:00-10:35	Ionizing Introscopy in Dentistry: physical factors affecting image quality and radiation exposure
10	April 8	09:00-10:35	Electrodiagnostics, electrophysiotherapy in dentistry <i>Laboratory work «Determination of the impedance».</i>
Topic 2. Physical properties of materials in Dentistry			
12	April 22	09:00-10:35	Calculation of stressed and strained condition of teeth and dental prosthesis and appliances
14	May 6	09:00-10:35	Mechanical parameters of biological tissues
16	May 20	09:00-10:35	Optical and aesthetic properties of dental tissues and filling materials. Luminescent methods for analyzing hard and soft tissues of the oral cavity <i>Laboratory work « Registration of fluorescence of hard dental tissue samples».</i>
18	June 3	09:00-10:35	Colloquium: Modern Technologies in Dentistry

Approved at the meeting of the department
 Head of department

Machneva T.V.

