CLAIMED
on the session of Propaedeutics of Dentistry
and Materials Science of BSMU
protocol № 1 dated 31 August 2026

Head of the Department R.S. Mekhtiev

LECTURES PLAN
on discipline
«Materials Science and Fundamentals of Manufacturing Dentures»
for 1 course 1st semester of 2026-2027 academic year
Medical Faculty for International Students (specialty 1-79 01 07 "Dentistry")

№	List of lectures
1.	Introduction to the specialty «Dentistry». Organization of dental service in the Republic of Belarus. Medical ethics and deontology in dentistry. Organization and equipment of dental office and dental laboratory.
2.	Characteristics of dentures, maxillofacial dentures and orthodontic appliances. Dental materials, classification, requirements, application.
3.	Auxiliary materials used for impressions and casts production.
4.	Modeling materials, investment and isolation auxiliary materials.
5.	Metal alloys. Classification, composition, properties, application.
6.	Technological processes used for dentures production from metal alloys.
7.	Plastics (acrylic resins). Technological processes used for dentures production from plastics (acrylic resins).
8.	Ceramics. Technological processes used for dentures production from ceramic materials and PFM dentures production.