

SCHEDULE OF CLASSES
«PHYSICS, MATHEMATICS»
Anglophone Students of the 1 Course
Specialty «DENTISTRY»
1 term of 2026/2027

Section	Class No.	Theme
1. Basic Concepts of Mathematical Statistics	1	Basic Concepts of Mathematical Statistics 1. <i>Student Independent Work (SIW): Probability theory (summary)</i>
	2	Basic Concepts of Mathematical Statistics 2. <i>Lab. work "Mathematical statistics"; SIW: Statistical Hypotheses (summary)</i>
	3	CONTROL WORK "Mathematical Statistics"
2. Mechanical and thermal properties of biological tissues and dental materials	4	Mechanical properties of materials 1. <i>Lab. work No. 3; TEST</i>
	5	Mechanical properties of materials 2. <i>Lab. work "Determination of the hardness of materials by the Shore method"; SIW: Methods for measuring the hardness of materials (summary)</i>
	6	Viscosity and flow of fluids. <i>Lab. work No. 4; TEST</i>
	7	Surface tension. Capillary phenomena. Humidity. <i>Lab. work "Measurement of the surface tension of liquids"; SIW: Humidity of dental materials and air; TEST</i>
	8	Thermal properties of materials. <i>Lab. work "Determination of the thermal coefficient of linear expansion of a solid"; Written survey</i>
	9	COLLOQUIUM 1
2. Physical Fundamentals of Diagnostic and Treatment Methods in Dentistry	10	Geometrical Optics and its importance in Dentistry. <i>Lab. work No. 12; TEST</i>
	11	Optical Microscopy. Dental Microscope. <i>Lab. work No. 13; TEST</i>
	12	Light absorption and scattering in Dentistry. <i>Lab. work No. 15 "Concentration colorimetry in laboratory practice"; TEST</i>
	13	Photometry. Light sources in Dentistry. <i>Lab. work "Study of photometric characteristics of a light source"; SIW: Characteristics of light (summary).</i>
	14	X-rays and their application in Dentistry. Dosimetry. <i>Lab. work "Measuring background radiation with a dosimeter"; TEST</i>
	15	COLLOQUIUM 2
	16	CREDIT