

**PLAN of CLASSES**  
**«PHYSICS and MATHEMATICS»**  
**for Anglophone Department students of the 1 course**  
**1 TERM of 2020/2021**

<b>№ of week</b>	<b>Module</b>	<b>№ of class</b>	<b>Theme</b>
<b>1</b>	<b>1. Mathematical statistics Rheology. Electricity</b>	1.1	Mathematical statistics №1
<b>2</b>		1.2	Mathematical statistics №2. <b>Control work</b> <b>“Mathematical statistics”</b>
<b>3</b>		1.3	Viscosity of fluids. Laboratory work No.4
<b>4</b>		1.4	Mechanical properties of solids. Laboratory work No.5
<b>5</b>		1.5	Alternating current. Impedance of electric circuits. Laboratory work No.8
<b>6</b>		1.6	Electrical pulses. Pulse current Laboratory work No.10
<b>7</b>	<b>MODULE CONTROL 1</b>		
<b>8</b>	<b>2. Light wave properties. Optics.</b>	2.1	Wave properties of light: interference and diffraction Laboratory work No.18
<b>9</b>		2.2	Polarization of light Laboratory work №16
<b>10</b>		2.3	Geometrical optics. Refractometry. Laboratory work № 29
<b>11</b>		2.4	Lenses. Optical and electron microscopy. Laboratory work No.15
<b>12</b>	<b>MODULE CONTROL 2</b>		
<b>13</b>	<b>FINAL CONTROL OVER THE COURSE. CREDIT</b>		

Утверждено на заседании кафедры 26 августа 2020 года, протокол №9.  
Зав. кафедрой, д.б.н., профессор А.Г. Максина

**LECTIONS**  
**«PHYSICS and MATHEMATICS»**  
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**1 TERM of 2020/2021**

Theme of lectures	
1	Mechanical properties of substances
2	Flow and viscosity of fluids
3	Mechanical oscillations and waves
4	Electric field. Conductors and dielectrics. Electric dipole
5	Electromagnetic waves. Wave properties of light (interference and diffraction)
6	Polarization of light
7	Ionizing radiation. X-rays
8	Radioactivity

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