

**Thematic plan  
of Practical classes on Human Physiology  
for 2-nd grade English medium students of Medical Faculty  
Spring semester 2022/2023 ed. Years**

<b>№</b>	<b>Theme</b>	<b>Hour</b>
1.	Blood physiology. Investigation of physical and chemical properties of blood.	3
2.	Investigation of red blood cells count and haemoglobin concentration in the blood. Blood groups and blood-typing methods. Physiological basis of hemotransfusion.	3
3.	Defense functions of blood against foreign influence.	3
4.	Investigation of hemostasis.	3
5.	Practical skills of the Blood Physiology.	3
6.	Respiratory physiology. Investigation of external respiration.	3
7.	Investigation of diffusion and transport of gases in the blood. Regulation of respiration.	3
8.	Practical skills of the Respiratory Physiology.	3
9.	Cardiovascular physiology. Investigation of physiological properties of the cardiac muscle.	3
10.	Investigation of dynamics of cardiac excitation. Recording and analysis of ECG.	3
11.	Investigation of the pumping function of the heart.	3
12.	Regulation of cardiac activity.	3
13.	Investigation of blood pressure. The role of blood vessels in the circulation. Regulation of blood circulation.	3
14.	Practical skills of the Cardiovascular Physiology.	3
15.	Digestion in oral cavity. The role of gustatory and olfactory sensory systems in digestion.	3
16.	Investigation of digestion in the stomach.	3
17.	Investigation of digestion in the duodenum.	3
18.	Investigation of digestion in the small and large intestine. Motility and absorption in the gastrointestinal tract.	3
19.	Investigation of urine formation mechanisms. Non-excretory functions of the kidney.	3
20.	The role of the kidneys in the homeostasis and homeokinesis.	3
21.	Practical skills of the Gastrointestinal and Renal Physiology.	3
	<b>TOTAL</b>	<b>63</b>

*Т.в.о. завідувача кафедри*



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