

«__» _____ 2020 г.

**THE DATE-THEMATIC PLAN OF LECTURE CLASSES ON THE DISCIPLINE OF
NORMAL PHYSIOLOGY FOR ENGLISH-SPEAKING STUDENTS OF THE
GENERAL MEDICINE FACULTY FOR THE 3d SEMESTER OF 2020-2021
ACADEMIC YEAR**

Course - 2nd

Class venues – sanitary building. Wednesday 8:50-10:30

Lecturer: ass. prof. A.P. Astachshenko

№	Topic	Competences	Content of the theme	Hours
2. 09.09.20	Introduction in physiology. Physiology of excitable tissues.	GC - 1,5, GPC -1,5,7 PC - 15, 16	Subject and physiology problems. Principles of systemity, integrity, nervism, and determinism. Types of stimuluses. Biopotentials. Rest and action membrane potentials, formation mechanisms. Ion channels and pumps. Prepotential. CLD. Action potential, its mechanisms. Change of excitability during excitation. The laws of irritation of excitable tissues. Chronaxia. Accomodation. Parabiosis. The polar law.	2
4. 23.09.20	Physiology of endocrine system.	GC - 1,5, GPC -1,5,7 PC - 15, 16	The organization of endocrine function. Production, transport, reception, second messengers and effects of hormones. Catabolism and excretion of hormones. The hypothalamic-pituitary regulation, liberins and statins, direct and feedback links. Parahypophysial regulation.	2
6. 07.10.20	Circulation physiology. Functions of heart and their regulation.	GC - 1,5, GPC -1,5,7 PC - 15, 16	Functions of circulatory system. Heart functions: the automaticity, conduction, excitation, contraction. Neuro-humoral regulation of heart activity.	2
8. 21.10.20	Physiology of blood.	GC - 1,5, GPC -1,5,7 PC - 15, 16	Blood, its functions. Immunity. System of coagulation and anticoagulation.	2
10. 04.11.20	Physiology of breath.	GC - 1,5, GPC -1,5,7 PC - 15, 16	Functions of the respiratory system. Respiratory center. Neuro-humoral regulation of respiration.	2