

FACULTY OF MEDICINE, UNIVERSITY OF NIS

Study program: Medicine			
Subject: Physiology			
Semester: 3			
Year of study: 2			
CURRICULUM - THEORETICAL LECTURES – FIRST SEMESTER - 2021/22.			
Week	Lecture topic	Lecturer	No of theoretical classes.
1.	Introduction to Physiology: The Cell and General Physiology	Pavle Randjelović, asist. prof.	4
2.	Membrane Physiology, Nerve, and Muscle	Pavle Randjelović, asist. prof.	4
3.	Membrane Physiology, Nerve, and Muscle	Pavle Randjelović, asist. prof.	4
4.	The Heart	Sonja Ilić, asist. prof.	4
5.	The Heart	Sonja Ilić, asist. prof.	4
6.	The Heart The Circulation	Sonja Ilić, asist. prof.	2 2
7.	The Circulation	Sonja Ilić, asist. prof.	4
8.	The Circulation	Sonja Ilić, asist. prof.	4
9.	The Circulation The Kidneys	Pavle Randjelović, asist. prof.	2 2
10.	The Kidneys	Pavle Randjelović, asist. prof.	4
11.	The Kidneys	Pavle Randjelović, asist. prof.	4
12.	Respiration	Pavle Randjelović, asist. prof.	4
13.	Respiration	Pavle Randjelović, asist. prof.	4
14.	Acid-Base Regulation	Pavle Randjelović, asist. prof.	2
15.	Physics	Tatjana Jovanović, associate prof.	4

CURRICULUM –PRACTICAL/SEMINARCLASSES – FIRST SEMESTER - 2021/22.			
Week	Lecture topic	Lecturer	No of practical classes.
1.	Introductory physiology	Nikola Stojanović, teaching assist.	4
2.	Cell transport mechanisms	MilicaVeljković, , teaching assist.	4
3.	Neurophysiology of nerve impulses	Nikola Stojanović, teaching assist.	4
4.	Skeletal muscle physiology	Nikola Stojanović, teaching assist.	4
5.	Cardiovascular physiology 1	MilicaVeljković, teaching assist.	4
6.	Cardiovascular physiology 2	MilicaVeljković, teaching assist.	4
7.	Cardiovascular dynamics 1	Nikola Stojanović, teaching assist.	4
8.	Cardiovascular dynamics 2	Nikola Stojanović, teaching assist.	4

9.	Renal system physiology 1	Milica Veljković, teaching assist.	4
10.	Renal system physiology 2	Milica Veljković, teaching assist.	4
11.	Respiratory system physiology	Nikola Stojanović, teaching assist.	4
12.	Acid-base balance	Nikola Stojanović, teaching assist.	4
13.	Physics in physiology	Marko Stojanović, teaching assist.	4
14.	Course recapitulation	Milica Veljković, teaching assist. Nikola Stojanović, teaching assist.	2 2
15.	Extra classes for students that missed regular classes	Milica Veljković, teaching assist. Nikola Stojanović, teaching assist.	2 2

FACULTY OF MEDICINE, UNIVERSITY OF NIS			
Study program: Medicine			
Subject: Physiology			
Semester: 4			
Year of study: 2			
CURRICULUM - THEORETICAL LECTURES – SECOND SEMESTER - 2021/22.			
Week	Lecture topic	Lecturer	No of theoretical classes.
1.	Hematology	Sonja Ilić, asist. prof.	5
2.	Hematology The immune system	Sonja Ilić, asist. prof.	3 2
3.	Gastrointestinal Physiology	Sonja Ilić, asist. prof.	5
4.	Gastrointestinal Physiology The Liver as an Organ	Sonja Ilić, asist. prof.	3 2
5.	Metabolism of carbohydrates, proteins and fats Dietary Balances; Regulation of Feeding Energetics and Metabolic Rate	Pavle Randjelović, asist. prof.	5
6.	Body Temperature Regulation Endocrinology	Pavle Randjelović, asist. prof.	1 4
7.	Endocrinology	Pavle Randjelović, asist. prof.	5
8.	Endocrinology Organization of the Nervous System	Pavle Randjelović, asist. prof.	3 2
9.	Organization of the Nervous System Morphofunctional characteristics of the spinal cord and brain stem, cerebellum, basal ganglia, thalamus, Hypothalamus	Pavle Randjelović, asist. prof.	5

10.	Morphofunctional characteristics of the spinal cord and brain stem, cerebellum, basal ganglia, thalamus, Hypothalamus	Pavle Randjelović, asist. prof.	5
11.	Morphofunctional characteristics of the spinal cord and brain stem, cerebellum, basal ganglia, thalamus, Hypothalamus	Pavle Randjelović, asist. prof.	3
	The Autonomic Nervous System		2
12.	The Autonomic Nervous System	Pavle Randjelović, asist. prof.	1
	Cerebral cortex, limbic system, EEG, sleep, learning and memory		4
13.	Cerebral cortex, limbic system, EEG, sleep, learning and memory	Pavle Randjelović, asist. prof.	2
	Somatic Sensations		3
14.	The Chemical Senses-Taste and Smell. The vestibular apparatus. The Sense of Hearing	Pavle Randjelović, asist. prof.	5
15.	The Eye	Pavle Randjelović, asist. prof.	3
	Sports Physiology		2

CURRICULUM –PRACTICAL/SEMINARCLASSES – SECOND SEMESTER - 2021/22.			
Week	Lecture topic	Lecturer	No of practical classes.
1.	Blood cell physiology 1 – Erythrocytes	Nikola Stojanović, teaching assist.	4
2.	Blood cell physiology 2 – Leucocytes	Nikola Stojanović, teaching assist.	4
3.	Blood cell physiology 3 – Coagulation	Nikola Stojanović, teaching assist.	4
4.	Chemical and physical processes of digestion	MilicaVeljković, teaching assist.	4
5.	Energetics and metabolic rate	MilicaVeljković, teaching assist.	4
6.	Dietary balance	MilicaVeljković, teaching assist.	4
7.	Endocrine system physiology 1	MilicaVeljković, teaching assist.	4
8.	Endocrine system physiology 2	MilicaVeljković, teaching assist.	4
9.	Central nervous system physiology 1	Nikola Stojanović, teaching assist.	4
10.	Central nervous system physiology 1	Nikola Stojanović, teaching assist.	4
11.	Sense of hearing, balance and chemical senses	MilicaVeljković, teaching assist.	4
12.	Central neurophysiology of vision	MilicaVeljković, teaching assist.	4
13.	Course recapitulation	MilicaVeljković, teaching assist.	2
		Nikola Stojanović, teaching assist.	2
14.	Extra classes for students that missed regular classes	MilicaVeljković, teaching assist.	2
		Nikola Stojanović, teaching assist.	2
15.	Certification class	MilicaVeljković, teaching assist.	2
		Nikola Stojanović, teaching assist.	2