

FACULTY OF MEDICINE UNIVERSITY OF NIS**Study program:** MEDICINE**Subject:** BIOCHEMISTRY**Semester:** THIRD**Year of Study:** SECOND**CURRICULUM- LECTURES -FALL SEMESTER 2021/22.**

Week	Lecture topics	Professor	N° of classes weekly
1.	Introduction Enzymes-structure and chemical properties	Prof.dr Gordana Kocić Prof.dr Goran Nikolić	4
2.	Enzymes	Prof.dr Gordana Kocić	4
3.	Enzymes	Prof.dr Gordana Kocić	4
4.	Enzymes Vitamins	Prof.dr Gordana Kocić Prof.dr Tatjana Jevtović	4
5.	Vitamins	Prof.dr Tatjana Jevtović	4
6.	Carbohydrates-structure and chemical properties Carbohydrates	Prof.dr. Goran Nikolić Prof.dr Gordana Kocić	4
7.	Carbohydrates	Prof.dr Gordana Kocić	4
8.	Carbohydrates Lipids-structure and chemical properties	Prof.dr Gordana Kocić Prof.dr Goran Nikolić	4
9.	Lipids-structure and chemical properties Lipids	Prof.dr Goran Nikolić Prof.dr Ivana Stojanović	4
10.	Lipids	Prof.dr Ivana Stojanović Prof.dr Ivana Stojanović	4
11.	Lipids Transport of matter and biological membranes	Prof.dr Ivana Stojanović Prof.dr Dušan Sokolović	4
12.	Transport of matter and biological membranes Biological oxidation, free radicals and antioxidant protection	Prof.dr Dušan Sokolović Prof.dr Jelena Bašić	4
13.	Amino acids, peptides, proteins-structure and chemical properties Metabolism of nitrogen, non-protein nitrogen compounds and special metabolism of certain amino acids	Prof.dr Goran Nikolić Prof.dr Ivana Stojanović	4
14.	Metabolism of nitrogen, non-protein nitrogen compounds and special metabolism of certain amino acids	Prof.dr Ivana Stojanović	4
15.	Metabolism of nitrogen, non-protein nitrogen compounds and special metabolism of certain amino acids	Prof.dr Ivana Stojanović	4

CURRICULUM- PRACTICALS -FALL SEMESTER 2021/22

Professor/Teaching assistant : Professors and associates of the Department, according to the established weekly schedule

Week	Topics	Professor/Teaching assistant	N° of classes weekly
1.	INTRODUCTION TO LABORATORY WORK MOLECULAR-KINETIC PROPERTIES OF SOLUTIONS		3
2.	ENZYMES-FACTORS AFFECTING THEIR ACTIVITY		3
3.	ENZYMES-PRESENCE IN EXTRACTS		3
4.	ENZYMES-DIAGNOSTIC SIGNIFICANCE		3
5.	ENZYMES-DIAGNOSTIC SIGNIFICANCE		3
6.	SEMINAR- ENZYMES IN-DIAGNOSTICS		3
7.	VITAMINS		3
8.	CARBOHYDRATES		3
9.	CARBOHYDRATES		3
10.	SEMINAR-REGULATION OF CARBOHYDRATE METABOLISM		3
11.	LIPIDS		3
12.	RECAPITULATION		3
13.	RECAPITULATION		3
14.	RECAPITULATION		3
15.	RECAPITULATION		3

FACULTY OF MEDICINE UNIVERSITY OF NIS

Study program: MEDICINE			
Subject: BIOCHEMISTRY			
Semester: FOURTH			
Year of Study: SECOND			
CURRICULUM- LECTURES -SPRING SEMESTER 2021/22.			
Week	Lecture topics	Professor	N° of classes weekly
16.	Metabolism of nitrogen, non-protein nitrogen compounds and special metabolism of certain amino acids Proteins	Prof. dr Ivana Stojanović Prof.dr Tatjana Jevtović	3
17.	Proteins	Prof.dr Tatjana Jevtović	3
18.	Metabolism of purine and pyrimidine bases Proteids and nucleoproteins	Prof.dr Gordana Kocić Prof.dr Tatjana Jevtović	3
19.	Proteids and nucleoproteins	Prof.dr Tatjana Jevtović Prof.dr Tatjana Jevtović	3
20.	Proteids and nucleoproteins Chromoproteins	Prof.dr Tatjana Jevtović Prof.dr Jelena Bašić	3
21.	Chromoproteins	Prof.dr Jelena Bašić	3
22.	Chromoproteins Water-structure and physical-chemical properties Water and mineral metabolism	Prof.dr Jelena Bašić Prof.dr Goran Nikolić Doc.dr Andrej Veljković	3
23.	Water and mineral metabolism	Doc.dr Andrej Veljković	3
24.	Water and mineral metabolism Hormones	Doc.dr Andrej Veljković Doc.dr Andrej Veljković	3
25.	Hormones	Doc.dr Andrej Veljković	3
26.	Hormones	Doc.dr Andrej Veljković	3
27.	Hormones	Doc.dr Andrej Veljković	3
28.	Hormones	Doc.dr Andrej Veljković	3
29.	Biochemistry of blood and bodily fluids	Prof.dr Jelena Bašić	4
30.	Tissue biochemistry	Doc.dr Andrej Veljković	2

CURRICULUM- PRACTICALS -SPRING SEMESTER 2021/22

Professor/Teaching assistant: Professors and associates of the Department, according to the established weekly schedule

Week	Topics	Professor/Teaching assistant	N° of classes weekly
1.	LIPIDS		3
2.	PROTEINS		3
3.	AMINOACIDS		3
4.	UREA AND CREATININE		3
5.	NUCLEOPROTEINS		3
6.	BILE PIGMENTS		3
7.	SEMINAR HEMOGLOBINE		3
8.	BLOOD PLASMA PROTEINS		3
9.	BUFFERS		3
10.	SEMINAR- MINARALS		3
11.	URINE		3
12.	URINE		3
13.	RECAPITULATION		3
14.	RECAPITULATION		3
15.	RECAPITULATION		3