

**PLAN OF CLASSES**  
**in the 3rd term of 2018/2019 academic year**  
**FOR THE MEDICAL FACULTY FOR INTERNATIONAL**  
**STUDENTS (English medium)**

Week	DATE	THEME	Hours
1	02.09-06.09	Introduction into Biochemistry. Rules of work in biochemical laboratory. Photoelectrocolorimeter.	3
2	09.09-13.09	Proteins-I. Colour reactions of amino acids and proteins. Quantitative determination of protein.	3
3	16.09-20.09	Proteins-II. Precipitation and fractionation of proteins	3
4	23.09-27.09	Proteins-III. Acidic and enzymatic hydrolysis of proteins.	3
5	30.09-04.10	Enzymes - I. Influence of factors on the velocity of enzymatic reactions. Determination of amylase activity in the blood serum.	3
6	07.10-11.10	Enzymes - II. Kinetics of the lipase activity.	3
7	14.10-18.10	Enzymes - III. Students' individual work.	3
8	21.10-25.10	<b>MINI-EXAM «PROTEINS &amp; ENZYMES»</b>	3
9	28.10-01.11	Nucleic acids. Hydrolysis of nucleoproteins.	3
10	04.11-06.11	Biosynthesis of nucleic acids. Determination of uric acid concentration in the blood serum.	3
11	11.11-15.11	Biosynthesis of protein. Students' individual work.	3
12	18.11-22.11	Energy metabolism – I. Determination of high-energy compounds in muscles.	3
13	25.11-29.11	Energy metabolism – II. Students' individual work.	3
14	02.12-06.12	<b>MINI-EXAM «ENERGY METABOLISM».</b>	3
15	09.12-13.12	Introduction to metabolism. Detection of the activity of succinate dehydrogenase and cytochrome oxidase.	3
16	16.12-20.12	Vitamins. Quantitative determination of the ascorbic acid in the urine.	3
17	23.12-27.12	Hormones – I. Detection of adrenaline.	3
18	30.12-03.01	Hormones – II. Students' individual work.	3

**Head of department of Biochemistry,  
professor**



**V.V.Lelevich**