

THE TIMETABLE  
of **Biological Chemistry lectures**  
for 2<sup>nd</sup> year students of the Faculty of International Students  
**third semester, 2025/2026 academic year**

| №  | DATE  | TOPIC   |
|----|-------|---|
| 1  | 06.02 | <i>Introduction to Biochemistry.</i> Protein chemistry.   |
| 2  | 13.02 | <i>Enzymes.</i> The structure and properties. The mechanism of action.  |
| 3  | 20.02 | <i>Enzymes.</i> The regulation of activity.   |
| 4  | 27.02 | <i>Biologic Oxidation.</i> Krebs cycle.   |
| 5  | 06.03 | <i>Biologic Oxidation.</i> Tissue respiration. Oxidative phosphorylation.   |
| 6  | 13.03 | <i>Carbohydrates.</i> Anaerobic metabolism.   |
| 7  | 20.03 | <i>Carbohydrates.</i> Aerobic metabolism. Gluconeogenesis. Pentose phosphate pathway.   |
| 8  | 27.03 | <i>Lipids.</i> Lipoprotein classification and metabolism. Tissue lipid metabolism: lipolysis, fatty acids $\beta$ -oxidation, ketone bodies metabolism. |
| 9  | 03.04 | <i>Lipids.</i> Tissue lipid metabolism: lipid biosynthesis.   |
| 10 | 10.04 | <i>Proteins and Nucleic acids.</i> Digestion and absorption of proteins.  |
| 11 | 17.04 | <i>Proteins and Nucleic acids.</i> Tissue metabolism of amino acids.  |

Senior lecturer  
03.02.2026

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