

# LECTURES

Plan of lectures for the *international students* of **dental faculty** studying biochemistry  
in English  
2026 – 2027 year

**1<sup>st</sup> course**  
**Spring semester**

| <i>Lek. N</i> | <i>Date</i> | <i>Topic</i>                                                                                                               | <i>Lecturer</i> |
|---------------|-------------|----------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1             |             | Enzymology                                                                                                                 | Khotko E.A.     |
| 2             |             | Introduction to metabolism and energy exchange.<br>Central catabolic pathway: Krebs cycle                                  |                 |
| 3             |             | Carbohydrate metabolism. Glycogen metabolism.<br>Aerobic and anaerobic glucose oxidation.                                  |                 |
| 4             |             | Carbohydrate metabolism. Gluconeogenesis. Pen-<br>tose phosphate pathway and uronic acid pathway<br>of glucose metabolism. |                 |

**2<sup>nd</sup> course**  
**Autumn semester**

| <i>Lec. N</i> | <i>Date</i> | <i>Topic</i>                                                | <i>Lecturer</i> |
|---------------|-------------|-------------------------------------------------------------|-----------------|
| 1             | 09.09       | Nucleic acid metabolism                                     | Khotko E.A.     |
| 2             | 07.10       | Biochemistry of hormones. Mechanisms of hor-<br>mone action |                 |
| 3             | 21.10       | Biochemistry of nutrition.                                  |                 |
| 4             | 25.11       | Biochemistry of the oral fluid and teeth                    |                 |

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professor



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