



Syllabus

Term: 2026/27/1 **Subject name:** Cell Biology **Subject code:** ENBIOB1302

Unit (Unit code) (BIOLOGIA)

Lecturer responsible for the course: Dr. KOVÁCS-ÖLLER Tamás

Requirement: Term mark

Classes per week : 0/0/2

Classes per term: 0/0/26

Purpose of education:

support of the Cell Biology lecture

Contents:

Properties of biogenic elements, characterization of carbohydrates and lipids

Consultation: Characterization of amino acids, peptides, proteins

Consultation: Structure and properties of nucleic acids.

Experiments: Examination of native cells, vital staining. Comparison of the structure of plant and animal cells.

Experiments: Preparation and examination of smear, macerate, skull, cell morphology.

Experiments: Examination of lysosomal system by vital staining, analysis of cytological atlas

Experiments: Morphological characteristics of interphase and dividing cells.

Experiments: Microscopic measurements: determination of cell and core volume.

System of examining and valuation:

3 tests

Bibliography:

Slides

Bibliography: