Study Program: Biology

Type and level of studies: Bachelor studies

Course name: Cellular biology

Lecturer: Branković S. Slavko

Status: Compulsory

ECTS: 5

Attendance Prerequisites: none

Course aims

This course aims to familiarise students with the basic structural and ultrastructural characteristics of acellular life forms, prokaryotic and eukaryotic cells.

Course outcome

The students have acquired knowledge on cell structure, which is the basis of understanding other biology-related subjects.

Course content

Theoretical part:

Introduction to cellular biology. Research methods in cellular biology. Acellular life forms. Prokaryotic cell. Eukaryotic animal cell. Eukaryotic plant cell.

Practical part:

Introduction to the structural and ultrastructural characteristics of viruses, prokaryotic cells, eukaryotic animal and plant cells using optical microscope and electron microscope samples.

Literature

1. Петровић, О., Кнежевић, П. Биологија ћелије-грађа ацелуларних и целуларних (про и еукариотских микроорганизама), (скрипта), ПМФ, Нови Сад, 2006.
2. Матавуљ, М. (2004) Анимална ћелија (скрипта). ПМФ, Нови Сад, 2002.
3. Кастори, Р. (1998): Физиологија биљака, одабрана поглавља-Биљна ћелија. Фељтон, Нови Сад;

Number of active classes				Other classes
Lectures: 2	Practical classes: 0	Other forms of teaching: 2	Students' research work	

Teaching methods:

Lectures, consulting, term tests, tests, homework assignments.

Assessment (maximum 100 points)

Course Assignments	**points**	Final exam	**Points**
Activity during lectures		Written exam	**20**
Practical classes	**10**	Oral exam	**50**
Term tests	**20**	.....	
Seminars			
Total	**30**		**70**