

**Academic discipline:
"Cytology"**

Code and name of specialty	6-05-0511-04 Biomedical science
Training course	1
Semester of training	1
Number of class hours:	48
Lectures	28
Seminar classes	-
Practical classes	-
Laboratory classes	20
Form of current assessment (credit/differential credit/exam)	Credit
Number of credits	3
Competencies to be formed	To use knowledge of the cellular organization of biological objects, membrane processes and molecular mechanisms of various human systems and organs, modern achievements of genetics and breeding
Summary of the content of the academic discipline:	
The academic discipline "Cytology" is the basis for the study of plant anatomy and morphology, algology, mycology and plant systematics, zoology, microbiology, histology with the basics of embryology, genetics, plant physiology, human and animal physiology, the basics of immunology, biotechnology, evolutionary teaching. It forms a system of knowledge about the structure, functioning and reproduction of a cell as the smallest structure of a living system — a unit of the structure of living organisms.	