

**Academic discipline:
"Molecular biology"**

Code and name of specialty	1-80 02 01 Biomedical science
Training course	3
Semester of training	5
Number of class hours:	64
Lectures	44
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 know the basic laws of ecology, the peculiarities of the functioning of the population, community, ecosystem and biosphere as a whole, to be able to analyze and assess the level of impact on human populations, their genome of extreme and harmful environmental factors and to develop measures to optimize this impact; to possess the basics of biology of medicinal, agricultural plants to be able to analyze and assess ecological purity of agricultural products and the development of measures to optimize negative impacts
<p style="text-align: center;">Summary of the content of the academic discipline:</p> <p>The academic discipline "Molecular biology" forms the ideas about the universal principles of functioning of the main molecular biological processes in the cells of various organisms – both prokaryotes and eukaryotes. The purpose of studying the discipline is to form students' ideas about the main processes occurring in a living cell at the molecular level.</p>	