

Academic discipline:
" Genetics "

Code and name of specialty	1-80 02 01 Biomedical science
Training course	2
Semester of training	3/4
Number of class hours:	172
Lectures	96
Seminar classes	
Practical classes	14
Laboratory classes	62
Form of current assessment (credit/differential credit/exam)	credit/exam
Number of credits	9
Competencies to be formed	The study of the discipline "Genetics" should provide the formation of basic professional competencies: to be able to use the knowledge of the cellular organisation of biological objects, patterns of reproduction and individual development of biological objects, the fundamentals and methods of research of biological material in professional activities
<p style="text-align: center;">Summary of the content of the academic discipline:</p> <p>The course of genetics is associated with such biological disciplines as "Genetic Engineering", "Molecular Biology", "Biotechnology", "Histology with the basics of embryology", "Plant Physiology", "Human and animal Physiology", "Biochemistry", "Microbiology". Laboratory classes are aimed at consolidating the theoretical provisions of the lecture course by students in the process of solving genetic problems. The course "Genetics" is designed to form students' theoretical knowledge of the subject; - teach them to solve genetic problems of different levels of complexity in the studied sections; - teach the basics of genetic analysis by the example of solving genetic problems, laboratory work.</p>	