

**Academic discipline:
«Higher mathematics»**

Code and name of specialty	1-80 02 01 Biomedical Science
Training course	1
Semester of training	1
Number of classhours:	96
Lectures	48
Seminar classes	-
Practical classes	48
Laboratory classes	-
Form of current assessment (credit/differential credit/exam)	exam
Number of credits	6
Competencies to be formed	Learning «Higher Mathematics» should provide the formation of basic professional competence: to be able to apply the basic theoretical and methodological provisions of physics and higher mathematics in scientific research and practical activities in the field of biology and medicine of biological objects of professional activity.

Brief content of the academic discipline:

«Higher mathematics» is an academic discipline that teaches basic mathematical methods necessary for the analysis and modelling of devices, processes and phenomena in the search for optimal solutions of applied problems and the choice of the best ways to implement these solutions and develops students' intellectual potential and their ability for logical and algorithmic thinking. A mastery of mathematics will provide future biology teachers with powerful methods of exploring and learning about the world around them, methods of investigating both theoretical and practical problems.