Academic discipline:
"Analytical mechanics"

Code and name of specialty	1- 02 05 0 Physics and computer science
Training course	3
Semester of training	5
Number of class hours	54
Lectures	34
Seminar classes	-
Practical classes	20
Laboratory classes	-
Form of current assessment (credit/differential credit/exam)	Exam
Number of credits	3
Competencies to be formed	To apply theoretical and practical skills, research methods in the field of astronomy, electrodynamics and theoretical physics

Summary of the content of the academic discipline:

Introduction.
Basic concepts and laws of theoretical mechanics.
Conservation laws and basic theorems of dynamics.
Application of conservation laws to the integration of equations of motion.
Fundamentals of analytical mechanics.
Small fluctuations of mechanical systems.