

## Teaching subjects in department

№	Subject name	Brief information about the subject
1	Higher Mathematics	It studies the main mathematical formulas and ways which are necessary for learning educational program and other professional subjects.
2	Theory of possibility and mathematical statistics	To get acquaintance with mathematic apparatus to increase student`s abilities for solving theoretical and practical economic problems by the way of logical thinking.
3	mathematics for economists	To acquaint students with the role and importance of mathematics in solving economic problems, develop the ability to think logically
4	Linear Algebra and Analytic Geometry	Formation of the worldview of a student of the direction "Linear Algebra and Analytic Geometry"; the formation of students as specialists, the development of their logical and algorithmic thinking, increasing intelligence; teaching students the basic mathematical methods necessary for modeling natural processes, phenomena and devices, conducting a reasonable analysis, finding optimal solutions to technical and economic issues and choosing the best ways to implement them, and also performs the tasks of communicating the basic knowledge necessary for mastering optional subjects.
5	Mathematical analysis	"Mathematical analysis" subject formation of the student's worldview; the formation of students as specialists, the development of their logical and algorithmic thinking, increasing intelligence; teaching students the basic mathematical methods necessary for modeling natural processes, phenomena and devices, conducting a reasonable analysis, searching for optimal solutions to technical and economic issues and choosing the best ways to implement them, compulsory general education and special skills in curricula and performs the tasks of imparting basic knowledge, necessary for the development of elective subjects.
6	Differential Equations	formation of the student's worldview "Differential Equations"; the formation of students as specialists, the development of their logical and algorithmic thinking, increasing intelligence; teaching students the basic mathematical methods necessary for modeling natural processes, phenomena and devices, conducting a reasonable analysis, finding optimal solutions to technical and economic issues and choosing the best ways to implement them, and also performs the tasks of communicating the basic knowledge necessary for mastering optional subjects.

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| 7 | Equations of mathematical physics | <p>Formation of the student's worldview "Equations of mathematical physics"; the formation of students as specialists, the development of their logical and algorithmic thinking, increasing intelligence; teaching students to create a mathematical model of physical processes using the equations of mathematical physics;</p> <p>basic mathematical methods necessary for creating mathematical models of various natural processes, phenomena and devices, for fundamental analysis, for finding optimal solutions to technical and economic issues and for choosing the best ways to implement them when teaching students;</p> <p>Specialization in the curricula in mathematical analysis, linear algebra and differential equations, necessary for modeling natural processes, phenomena and devices, for fundamental analysis, for finding optimal solutions to technical and economic issues, choosing the best ways to implement them. and developing the ability to apply mathematical methods in tasks of general professional sciences.</p> |
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