

DISCIPLINE DESCRIPTION

" Mathematics"

1	Specialized module	Mathematics Linear Algebra and Analytic Geometry
2	Specialty	1-28 01 02 E-Marketing
3	Course of Study	1
4	Semester	1
5	Credit units	3
6	Degree, title, full name of lecturers	PhD in physics and mathematics, Ovseets M.
7	Objectives	To acknowledge students with the terminology and mathematical instruments used for construction of electronic marketing mathematical models and interpretation of the solutions received. To develop students' ability to apply the mathematical models and schemes in particular situations..
8	Prerequisites	Linear equations, vectors, straight lines, and planes.
9	Syllabus	Complex numbers. Determinants and matrices. Systems of linear equations. Vectors and actions on them. Square shapes. Analytical geometry on a plane and in space. As a result of studying the section, students should: <i>know:</i> - basic principles of analytical geometry, linear algebra, - complex numbers. <i>be able to:</i> - apply matrix calculus operations to solve specific problems; - solve mathematically formalized problems in linear algebra and analytical geometry.
10	References	1. Булдык, Г.М. Высшая математика: курс лекций: для студентов экономических специальностей / Г. М. Булдык. - Минск: ФУАинформ, 2010. - 544 с. 2. Булдык, Г.М. Сборник задач и упражнений по высшей математике. Для студентов экономических специальностей вузов, экономистов-практиков/ Г. М. Булдык. - Минск: ФУАинформ, 2009. - 320 с. 3. Остапенко, А.В. Высшая математика: курс лекций в 2-х ч.- Минск:Бип.-Ч.І.- 2020.- 135 с.
11	Teaching methods	The main program material is presented in lectures and consolidated in practical classes. Some of the material is offered for self-study. Monitoring is carried out by interviewing students in practical classes and performing individual tasks. During the semester, it is planned to conduct tests.
12	Tuition Language	Russian