

Code:8 „Mathematics part 2”

ECTScredits: 4	Number of hours per week:
Forms of assessments: Course project	2+2+0
	Types of assessment: Exam - written
Department, providing instruction on the discipline: Department: <i>MATHEMATICS</i> <i>DEPARTMENT OF MATHEMATICS, PHYSICS AND LANGUAGE EDUCATION</i>	

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Annotation: The syllabus of Higher Mathematics-part 2 uses the knowledge which is obtained from the course of Higher Mathematics-part 1. It contains the following sections: functions of two independent variables, integral calculus, ordinary differential equations, infinite series, function of a complex variable, theory of probability, mathematical statistics. The aim is to define the considered notions and their application in the next topics of the course and in the engineering disciplines.

Main issues of the syllabus content :

- Functions of two independent variables
- Integral calculus
- Ordinary differential equations
- Infinite series
- Theory of probability
- Mathematical statistics.

Content presentation: lectures, seminars and tutorials