

Code: 8 „**MATHEMATICS - PART 2**”

ECTS credits: 6

Forms of assessment: Exam

Department, providing instruction on the discipline:

MATHEMATICS AND PHYSICS

FACULTY OF ELECTRICAL ENGINEERING

Number of hours per week: 2+2+0

Types of assessment: Exam - written

Lecturer: Assoc. Prof. Tsanko Raikov Genchev, PhD

Department: *MATHEMATICS AND PHYSICS*

Tel.. 359 878 148 085

e-mail: genchev57@yahoo.com

Annotation:

This course in Mathematics – 2 uses the knowledge obtained from the course in Mathematics – 1. The programme covers the following sections: integral calculus, ordinary differential equations, series, function of a complex variable, theory of probability. Basic knowledge of the middle course is sufficient for mastering the material. The aim is to define the discussed notions and their application in the next topics of the course and in the engineering disciplines.

Main issues of the syllabus content:

- Integral calculus
- Differential equations
- Series
- Complex numbers and functions of a complex variable
- Theory of probability

Content presentation: lectures and seminars