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| Discipline „Basic Mathematics”, code: 02 |
| Annotation: The discipline “Basic Mathematics” provides fundamental preparation for the students of the specialty "SIT" at the Technical University - Varna. The aim is to develop students' mathematical knowledge and skills to create correct mathematical models and effective algorithms to solve practical problems in the field of computer engineering.  The course provides the study of technical disciplines (Electrotechnics, Measurements in Electronics, Computer Electronics, etc.) and most of the specific computer disciplines (Synthesis and Analysis of Algorithms, Discrete Structures, Graphic Design, Software Project Management, Artificial Intelligence etc.). The aim of this subject is to present to the students various concepts and theoretical facts from the above sections. |
| Main issues of the syllabus content:   * Complex numbers * Analytical geometry * Number theory * Differential calculus of the function of one variable * Numerical methods |