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| Discipline „mathematics for computing”, code: 07 |
| Annotation: The discipline “Mathematics for computing” provides the 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 all special courses from the curriculum of the specialty and in particular: Data Management, Object Oriented Programming, Operating Systems Principles, Discrete Structures, System Analysis, Graphic Systems, Database Systems, Internet Data Protection, Information Systems, Cryptography and data protection, WEB Design etc., as well as the diploma project. |
| Main issues of the syllabus content:   * Analytical geometry (in the plane and in the space) * Number theory (with algorithms) * Combinatorics (with algorithms) * Probability and mathematical statistics (with algorithms) |