Mathematics (Kristijan Breznik, Ph.D., Assist. Prof.)

Subject code: MA
Academic year: 1.
Lectures: 40
Tutorials: 30
ECTS: 7

Aims of the course:
The students will develop the ability to use mathematical methods to analyse and solve some modern life problems. They will acquire the analytical and structural approach to problem solving. They will learn about accuracy of expressing themselves, writing and thinking. They will also be capable of interpreting results related to the purpose and content of the studied phenomena. A special attention will be paid to the application of the acquired theoretical knowledge in practice.

Subject content:
Sets, sequences and series, real functions, differential equation, indefinite integral, definite integral, combinatorics

Teaching methods:
lectures, seminar work

Study obligations:
written exam and presence at lectures and tutorials.

Literature
Jamnik R., Matematika, DMFA, Ljubljana, 1994
Mizori-Oblak P., Matematika za študente tehnike in naravoslovja, 1. del, (Mathematics for Students of Technical and Natural Studies - 1. Part,) Univerza v Ljubljani, Fakulteta za strojništvo (Faculty of Mechanicla Engineering Ljubljana), Ljubljana, 2001.