



Tárgytematika

EÖTVÖS LORÁND TUDOMÁNYEGYETEM

TÁTK Statisztika Tanszék
(TÁTK-STAT-TANSZ)

2019/20/1

Tárgynév:	Supplementary (pre-university) Mathematics
Tárgykód:	ESZOCBA-ES2
Tárgyfelelős neve:	Németh Renáta
Tárgy követelménye:	gyakorlati jegy (3)
Tárgy heti óraszám:	0/2/0

Oktatás célja:

The goal of this course is to help students prepare for studying statistics and quantitative methods in general. The curriculum does not surpass the high-school level, but all students are advised to take this course, since it covers the basic mathematical knowledge everyone is presumed to have. The course is practice oriented and light on theory. Concepts are dealt with using examples and problem solving. The main topics are fundamentals of algebra, properties of functions, solving equations, and working with vectors. Those who successfully complete the course will be adequately prepared for subsequent courses requiring mathematics.

Tantárgy tartalma:

Topics:

- Mathematical formulas, expressions
- Operations with rational numbers
- Solving equations
- Linear functions
- Polynomials and other basic functions
- Systems of equations
- Linear algebra (coordinate systems, vectors)

Számonkérési és értékelési rendszere:

Grading is based on five home assignments, given out in class (almost) every second week. Solutions are accepted when handed in next class.

Grading scale:

- 1 (fail): 0-49 %
- 2 (pass): 50-59 %
- 3 (satisfactory): 60-74 %
- 4 (good): 75-84 %
- 5 (excellent): 85-100 %

Students failing based on the home assignments are eligible to take a test in the exam period if not missing more than 3 classes during the semester.



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Kötelező irodalom:

Useful sources:

https://en.wikibooks.org/wiki/High_School_Mathematics_Extensions (Basic Algebra and Algebra chapters)

<https://www.khanacademy.org/math>