

Tárgytematika / Course Description

Calculus 2.

GKNB_MSTA054

Tárgyfelelős neve /

Teacher's name: dr. Kallós Gábor

Félév / Semester: 2022/23/1

Beszámolási forma /

Assesment: Folyamatos számonkérés

Tárgy heti óraszám /

Teaching hours(week): 1/1/1

Tárgy féléves óraszám /

Teaching hours(sem.): 0/0/0

OKTATÁS CÉLJA / AIM OF THE COURSE

The main objective of the course is to learning the basic concepts and methods, their computational tools and applications in engineering environment of one and several variable functions, including the differential and integral calculus of one variable functions.

TANTÁRGY TARTALMA / DESCRIPTION

Atoms:

- Functions of one variable: differentiation and integrals
- Functions of several variables: types (scalar-vector, etc.), graphs
- Applications of derivatives and integrals

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'S METHOD

Evaluation will take place as follows: written assessment of atoms (75%) AND class and project participation (25%).

Written assessment of atoms (75%): will evaluate students' knowledge related to the course material. Two written tests must be accomplished during the semester.

Class and project participation (25%):

- Class participation will be evaluated based on presence, activity and the quality of questions and comments during class time. Throughout the semester at least three substantive questions are expected from each student during class.
- Successful completion of project work related to the course throughout the semester.

Assessment is performed on a scale of five grades. Grades will be determined as follows:

- 0 - 49% fail,
- 50 - 62% passable,
- 63 - 74% satisfactory,
- 75 - 87% good,
- 88 - 100% excellent.

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

<https://openstax.org/subjects/math>
Calculus 1, Calculus 3.