

## Tárgytematika / Course Description Calculus 2.

GKNB\_MSTA054

Tárgyfelelős neve /

Teacher's name: dr. Kallós Gábor

Félév / Semester: 2024/25/1

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 learn the basic concepts and methods, their computational tools, and applications in the engineering environment of one variable functions, including the differential and integral calculus of one variable functions.

### TANTÁRGY TARTALMA / DESCRIPTION

Projects:

- Slider crank mechanism
- WLTP, NEDC driving cycle

### SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'S METHOD

The total grade is composed from two parts: from the evaluation of knowledge of the related atoms, and from the evaluation of the application of the related atoms in project performance. Atoms related knowledge is evaluated via tests that follow the teaching of the course, while the application of the atoms in projects are evaluated during the project performance. Two written tests must be accomplished during the semester.

Final evaluation according to the total grade is as follows:

### KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

<https://openstax.org/subjects/math>

K.A: Stroud: Engineering Mathematics

### AJÁNLOTT IRODALOM / RECOMMENDED MATERIAL

