

Tárgytematika / Course Description **Nonlinear optimization**

GKNM_MSTA037

Tárgyfelelős neve /

Teacher's name: Dr. Hajba Tamás

Félév / Semester: 2026/27/1

Beszámolási forma /

Assesment: Vizsga

Tárgy heti óraszám /

Teaching hours(week): 2/2/0

Tárgy féléves óraszám /

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

OKTATÁS CÉLJA / AIM OF THE COURSE

To familiarize the students with the theory of nonlinear optimization (optimality criteria, basic methods and their convergence properties) and its application (currently used most efficient softwares, application areas).

TANTÁRGY TARTALMA / DESCRIPTION

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'S METHOD

Homework assignment: maximum 40 points. Instructors signature: minimum 20 points is required.
Oral online exam: maximum 60 points. Calculation of the final grade: the points of the homework assignments and the points of the exam are summed up.

0-50 points: fail

51-62 points: satisfactory

63-74 points: average

75-86 points: good

87-100 points: excellent

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

AJÁNLOTT IRODALOM / RECOMMENDED MATERIAL

