

Tárgytematika / Course Description

Mathematical models and methods

GKNM_MSTA004

Tárgyfelelős neve /

Teacher's name: dr. Bácsi Ádám

Félév / Semester: 2017/18/1

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

In the course, complex engineering problems will be modelled and solved using mathematical methods. As a first step, the engineering problem is split into subtasks and the solution strategy is defined. Next, the necessary mathematical tools are presented which are practiced through easier examples. Finally, the complex problem is solved and numerically implemented (e.g. In Excel or MatLAB).

TANTÁRGY TARTALMA / DESCRIPTION

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'S METHOD

In order to get a signature for the course, two tests must be written and the sum of the points for the two tests must reach 50% of its maximum. In the exam period, a written exam must be accomplished.

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL