

Tárgytematika / Course Description **Controlled storage devices**

AJNM_BMTA026

Tárgyfelelős neve /

Teacher's name: dr. Tóth-Nagy Csaba

Félév / Semester: 2024/25/1

Beszámolási forma /

Assesment: Vizsga

Tárgy heti óraszám /

Teaching hours(week): 2/1/0

Tárgy féléves óraszám /

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

OKTATÁS CÉLJA / AIM OF THE COURSE

The goal of the course is to provide a comprehensive overview on the state-of-the-art energy storage technology with a view on system approach including modelling and control the storage units. Quantitative relationships and mathematical models are also described so that the students are able to solve numerical problems. A particular attention is paid to up-to-date controlled storage problems of Electric Vehicles. A further relevant goal is to look into the future, so promising development trends are also presented.

TANTÁRGY TARTALMA / DESCRIPTION

Topics of lectures:

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SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'S METHOD

During the semester the obligation is to pass one test and present a project work. The test is scheduled for the 13th week and the presentation for the 14th week. The test contains of two theoretical questions and one example of maximum 10 points per each. Pass level is minimum 12 points. The final mark is composed as follows: 75% for the written/oral exam and 25% for the midterm test.

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

Kötelező irodalom/Obligatory:

Lecture notes

AJÁNLOTT IRODALOM / RECOMMENDED MATERIAL