

Tárgytematika / Course Description

Animal husbandry machines

MENB_BÉTA018

Tárgyfelelős neve /

Teacher's name: Dr. Kovács Attila József

Félév / Semester: 2023/24/1

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

Within the framework of the subject, the aim of this course is to characterize and systematize the technologies of production, keeping and operation in the animal husbandry sectors, as well as the machines of animal husbandry. The most important functional mechanization processes and the knowledge of the operating principles, structural and operational solutions of machines and equipment of animal husbandry at the agronomical level are emphasized.

TANTÁRGY TARTALMA / DESCRIPTION

Preparation and storage of feeds and forages

Equipment of cattle production: cattle housing, feeding and watering

Milking machines, milk storage

Equipment of pig production: pig housing, feeding and watering

Equipment of poultry production: housing systems, feeding and watering equipment, ventilation and heating, lighting harvesting (broilers, eggs)

Equipment of sheep production: pasture systems, watering and feeding equipment, milking and shearing

Waste management: manure and waste water handling

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'S METHOD

During the semester there will be one mid-term test weighing 30% of the final score. The exam is written. Acceptance rate 50% of any type of tests or exams.

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

CIGR Handbook of Agricultural Engineering, Volume II: Animal Production & Aquacultural Engineering, Co-Editors: A. Jongebreur and D. Moffitt, American Society of Agricultural Engineering, 1999

Agricultural Mechanization and Automation Vol 2. Edited: P. McNulty and P. M. Grace
Encyclopaedia of Life Support Systems, EOLSS Publishers, Oxford, 2009