

Tárgytematika / Course Description **Agricultural basic studies**

MENB_AVTA010

Tárgyfelelős neve /

Teacher's name: dr. Kalmár Sándor

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 course introduces the basic concepts of crop production and animal husbandry, the information base of agricultural decision-making, presents the technological bases of the most important arable crops grown in Hungary and the main animal species in husbandry. The relationship system between crop production and animal husbandry.

TANTÁRGY TARTALMA / DESCRIPTION

Course 1: Requirements of the “Agricultural Basic Studies” course, importance of crop production and animal husbandry. The basis and management of information.

Course 2: Basic soil and plant growing relationships in plant production (soil structure, soil types, water and nutrient supply)

Course 3: Presentation of the most important plant species/crops grown in Hungary I. (winter wheat)

Course 4: Presentation of major plant species/crops grown in Hungary II. (sweet corn and feed corn)

Course 5: Presentation of major plant species/crops grown in Hungary III. (industrial plants - sugar beet)

Course 6: Presentation of major plant species/crops grown in Hungary IV. (industrial plants - winter rape)

Course 7: Nutrient Management (Organic and Fertilization)

Course 8: Presentation of a major crop (species, variety) from the homeland (self-preparation followed by presentation in class) (e.g. local significance of production, consumption in kg / person; crop area (ha), yield

rate (t / ha); future challenges of production)

Course 9: Importance of animal husbandry in domestic consumption, major animal species

Course 10: Most commonly used terms in animal husbandry (production technology for the main animal species in animal husbandry)

Course 11: Importance and types of bovine - milk, meat and dual use

Course 12: Importance of other animal breeds (poultry, pig, sheep)

Course 13: Presentation of a major animal (species, breed) in the homeland (self-preparation followed by presentation in class) (number of animals, consumption in kg / person; future challenges of the animal breed).

Course 14: Evaluation of the semester work and writing a thesis

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'S METHOD

Requirement for teacher's signature: participation on at least 2/3 of lectures and exercises during the semester (evaluation: participants' list). Self-preparation and presentation of two course topics, freely chosen by the student. Writing the final thesis successfully, in a pre-defined time.

Under 21 points (> 51%) insufficient (1)

21.5 - 26.5 (51 - 66%) sufficient (2)

27 - 30.5 (75%) Medium (3)

31 - 34.5 (85%) good (4)

35 points

The requirements for repeated ZH are the same in all respects.

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

- Lectures, presentations and materials delivered during the course.

- use of statistical databases (FAO, Eurostat, KSH).

AJÁNLOTT IRODALOM / RECOMMENDED MATERIAL