

## Tárgytematika / Course Description

### Physiology of Animal Production

N\_DMA23

Tárgyfelelős neve /

Teacher's name: dr. Egri Borisz

Félév / Semester: 2023/24/1

Beszámolási forma /

Assesment: Vizsga

Tárgy heti óraszám /

Teaching hours(week): 0/0/0

Tárgy féléves óraszám /

Teaching hours(sem.): 30/0/0

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### OKTATÁS CÉLJA / AIM OF THE COURSE

The aim of the course is to analyse the most important fields of physiology of animal production. In accordance with this the course covers the principles of the physiological regularity of production. A study will be made of the domestic and international specialized literature.

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### TANTÁRGY TARTALMA / DESCRIPTION

1. Reproduction I.: anatomy and physiology and species specificity of male genitalia.
2. Reproduction II: anatomy and physiology and species specificity of female genitalia.
3. The sexual cycle of females. Conception and pregnancy.
4. Physiology and species specificity of parturition.
5. Anatomy and species specificity of mammary glands.
6. Physiology of milk production.
7. Biochemistry, microbiology and species specificity of milk composition.
8. Biochemical relations of muscular contractions.

9. Biochemical relations of meat processing.
10. Anatomical relations of eggs.
11. Formation and physiological relations of eggs.
12. The structure, composition and species specificity of fish meat .

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## SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'S METHOD

Meeting the conditions set by the supervisor.

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## KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

**Bárdos, L., Husvéth, F., Kovács, M.** (2007): Gazdasági állatok anatómiájának és élettanának alapjai. Mezőgazda Kiadó, Budapest

**Dyce, K.M., Sack, W.O., Wensing, C.J.G.** (1987): Textbook of Veterinary Anatomy. W.B. Saunders Co., Philadelphia etc.

**De Lahunta, A., Habel, R.E.** (1986): Applied Veterinary Anatomy. W.B.Saunders Co. Philadelphia etc.

**Fonyó, A.** (szerk.) (1999): Az orvosi élettan tankönyve. Medicina, Budapest

**O'Neill, R. Murphy, R.** (2015) Endocrinology. Mosby Elsevier. Edinburgh, London.

**Rudas, P., Frenyó, V.** (szerk.) (1995): Az állatorvosi élettan alapjai. Springer Hungarica