



COURSE SYLABUS

(TY03053: Animal Reproduction 1)

Credits: 02 (Lectures: 1,5 – Practices: 0,5 – Self-study: 06)

EXPECTED LEARNING OUTCOMES

Indicators	Completing of the course, students will be able to	ELOs
Knowledge		
K1	Applying knowledge of animal reproductive physiology to improve livestock production efficiency and reproductive performances for animals; in breeding, breed selection and conservation of animals.	ELO 2: Analyze factors affecting the animal breed production, nutrition, and animal health
Skills		
K2	Proficiently implement clinical and non-clinical skills, commonly used technical procedures in livestock fertility assessment to improve reproductive performance and livestock production efficiency.	ELO 2: Analyze factors affecting the animal breed production, nutrition, and animal health
K3	Proficiently implement clinical and non-clinical skills, commonly used technical procedures in livestock fertility assessment to improve reproductive performance and livestock production efficiency.	ELO 2: Analyze factors affecting the animal breed production, nutrition, and animal health
Attitudes and responsibilities		
K4	Fully comply with classroom rules and regulations, have independent thinking, take responsibility for their own actions	

CONTENTS

Theoretical parts:

- Chapter 1: Puberty of domestic animals
- Chapter 2: Reproductive physiology of male animal
- Chapter 3: Reproductive physiology of female animal
- Chapter 4: Fertilization
- Chapter 5: Application of reproductive hormones
- Chapter 6: Artificial Insemination
- Chapter 7: Embryo transfer
- Chapter 8: Sex Manipulation Technologies in Livestock

Practical part:

Practicing on semen and reproductive organ specimen and animal models

STUDENT'S DUTIES

- Attending the lectures
- Reviewing materials
- Discussing, writing reports, giving presentations
- Practising

ASSESSMENT METHODS

Rubric	Expected Learning Outcomes	Rate (%)
Rubric 1. Attendance and quick tests	K1, K4	10
Rubric 2. Mid-term exam	K1	30
Rubric 3. Final exam	K1	60

LECTURERS

1. Su Thanh Long (stlong@vnua.edu.vn)
2. Nguyen Van Thanh (nvthanh@vnua.edu.vn)
3. Nguyen Cong Toan (nctoan@vnua.edu.vn)
4. Nguyen Thi Mai Tho (ntmtho@vnua.edu.vn)
5. Bui Van Dung (bvdung@vnua.edu.vn)
6. Nguyen Hoai Nam (nhnam@vnua.edu.vn)
7. Đỗ Thị Kim Lanh (dtklanh@vnua.edu.vn)
8. Nguyen Đức Truong (ndtruong@vnua.edu.vn)

LEARNING METHODS

- Class attending and discussion
- Self-study at home