

## Reproduction, reproduction disorders and clinical lectures on species 3

<b>Study program</b>	Veterinary Medicine
<b>Year of study</b>	V
<b>Semester</b>	II
<b>Regime of discipline</b>	Dsc
<b>Category of discipline</b>	DOB
<b>Number of lectures hours per week</b>	2
<b>Number of seminar/laboratory/project hours per week</b>	3
<b>Total number of hours according to the curriculum: lectures/seminars/laboratory/project</b>	28 hours lectures/42 hours seminar
<b>Number of transferable credits</b>	4

### SPECIFIC SKILLS

<b>Professional Competence</b>	Related to mentioned disciplines- such as a good knowledge of organs topography in pelvic and abdominal cavity; understanding the symptoms of reproductive disorders and treatment of those; description of nutritional and metabolic status related to housing, feeding, and reproduction
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### LEARNING OUTCOMES

<b>Knowledge</b>	<p>Student's knowledge belonging to previous discipline:</p> <ul style="list-style-type: none"> <li>- the topography of genital organs inside the abdominal cavity and pelvic cavity</li> <li>- physiology of reproduction and basic knowledge of Endocrinology in order to be able for applying proper therapeutics protocols in close relation with gynecological diagnosis.</li> <li>- interpretation of male and female genital organs symptomatology by using specific information of Physiological and Pathophysiological mechanisms of their generation;</li> <li>- the capacity of applying of hormonal therapy principles in reproduction pathology of farm and pets animals</li> <li>- minimal knowledge of echography and radiography interpretation</li> </ul> <p>- how to fill reproduction records</p>
<b>Skills</b>	<b>Clinical examination of each species with and gynaecological examination in small animals. Propedeutic knowledge and skills</b>
<b>Responsibility and autonomy</b>	<p><b>To protect the health and well-being of animals, causing unnecessary harm or neglect is unacceptable.</b></p> <p><b>Honesty, respect for clients, confidentiality, and teamwork Recognizing when they lack competence and must seek supervision rather than act independently.</b></p> <p><b>To be conscious that a mistakes can directly impact animal lives, so diligence and caution are critical.</b></p> <p><b>Students must understand that they are not licensed professionals and are restricted in what procedures they can perform independently.</b></p>

### COURSE OBJECTIVES

<b>General objective of the course</b>	<b>Receiving theoretical and practical notions for clinical examination and improvement in understanding clinical signs related to paraclinical exams</b>
<b>Specific objectives</b>	<b>Assurance for gynaecological diagnostics in different species of</b>

	<p>animals (swine, ovine, caprine, bovines and small animals).</p> <p><b>Competency assurance for andrological diagnostics in different species of animals (swines, ovines, caprine, bovines and small animals).</b></p> <p><b>Consolidation of theoretical knowledge and practical skills of gynaecological examination of large animals and small by learning semiotics of each species.</b></p> <p><b>The application of therapeutics techniques, the principles of inoculation drugs (ways of inoculation, frequencies of treatments, duration of treatments and quantity of drugs), in correlation with economic requirements and the prognostic of gynaecological disease.</b></p> <p><b>Consolidation of epidemiological knowledge of some zoonosis which produces abortion. The interpretation of reproduction records and its correlation with rectal palpation in order to improve the animal welfare and health of human population.</b></p> <p><b>Consolidation of theoretical and practical knowledge regarding the control of large animals reproduction function in order to improve the animal production.</b></p> <p><b>Consolidation of knowledge regarding nutritional and metabolic status in large animals in order to prevent some metabolic disease with reproductive impact.</b></p> <p><b>Competency assurance for doing research in veterinary medicine field.</b></p>
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## **COURSE CONTENT**

<b>LECTURES</b>	<b>Number of hours</b>
<b>Elements of gynecology and pathology of reproduction in small animals</b>	<b>6</b>
<b>Elements of andrology</b>	<b>4</b>
<b>Elements of gynecology and pathology of reproduction in swines</b>	<b>2</b>
<b>Elements of gynecology and pathology of reproduction in ovines</b>	<b>2</b>

Gynecological examination in cow, buffalo and mare through internal rectal palpation and using vaginal speculum. Learning to perform artificial insemination in cow.

Clinical examination of mammary gland in cow, mare, sheep, goat and small animals.

Mastitis diagnosis in cow.

Cesarian section in all species. Ovariectomy and orhydectomy. Induction of estrus and ovulation in cow.

42

### **BIBLIOGRAPHY:**

- Gary England, Angelika von Heimendhal. (2013) – Canine and Feline Reproduction and Neonatology BSAVA
- Noakes D.E., Parkinson J.T., England G., C.W. 2009– Veterinary Reproduction and Obstetrics 9th Edition. (2009) Saunders, Edinburgh, England
- Jackson Peter JJ (2004) Handbook of Veterinary Obstetrics Second edition Saunders
- Otavă G. Mircu C. Elements of gynecology and andrology in animals |Editura Eurostampa 2016

### **ASSESSMENT**

Activity type	Assessment criteria	Assessment methods	Percentage of final grade
<b>Lectures</b>	To present the specific information using academic level for terms and definition	Oral examination - answering questions based on several topics	50%
<b>Seminar/laboratory/clinical sessions</b>	The students ability to full fill gynecological and andrological sheet for small animals , to have ability to make correlations with medical history, other diagnosis and treatments	Practical examination of external and internal large animals genitalia and filings of gynecological or andrological sheect	50%
<b>Other activities</b>			

**Course coordinator: Senior Lecturer DMV Otavă Gabriel**

**Practical activities coordinator L/S/P: Senior Lecturer DMV Otavă Gabriel**