

Course	Surgery of farm animals
ECTS	3
Status	obligatory
Form of the final credit	exam
Prerequisites:	Credit for subjects: General Surgery and Anesthesiology; Clinical and Laboratory Diagnostics.

Field of the study:	veterinary
Study profile:	practical
Study code	SJ
Study semester	7
Language	English

Course Leader:	
Name of the Unit:	Univesity Centre of Veterinary Medicine Institute Veterinary Sciences
Coordinator	

Learning outcomes:			
Code	Discription	Code	
		directional effect	Disciplines
Knowledge-know and understand			
CHG_W1	the effect of anesthetic drugs used in premedication and general anesthesia on the homeostasis and functioning of farm animals	A.W16	RW
CHG_W2	types and theoretical basis of surgical procedures in farm animals: on soft tissues as well as orthopedic surgery and emergency management,	B.W3	RW
		B.W4	RW
CHG_W3	the principles of diagnostic procedure, including the principles of differential diagnosis with individual disease entities	B.W3	RW
		B,W4	RW
Skills: - is able to:			
CHG_U1	take a veterinary medical history and diagnose and properly interpret the animal's clinical condition	B.U2	RW
CHG_U2	skillfully provides first aid to animals in case of emergency conditions	B.U4	RW
CHG_U3	make clear descriptions of disease cases and treatments, give medical recommendations	B.U3	RW
CHG_U4	apply surgical methods and techniques to farm animals, perform surgical procedures and recommend postoperative management	B.U13	RW
CHG_U5	select and apply appropriate treatment and nutrition to animals according to the disease entity, its course and prognosis taking into account welfare zwierzęcia	B.U21	RW
CHG_U6	assesses the necessity of euthanasia and knows how to perform it in a humane manner	B.U15	RW
CHG_U7	implements the principles of surgical aseptics and antiseptics and uses proper methods of sterilization of surgical equipment, uses diagnostic apparatus in accordance with its purpose and health and safety rules	B.U14	RW
GENERAL SOCIAL COMPETENCIES - is ready to: O.K2; O.K7; O.K8; O.K10			

Educational Content:

Lectures	15	hours
<p>Disbudding and dehorning, wound management in cattle.</p> <p>Principles of hoof trimming in cattle</p> <p>Treatment of feet paronychia in a cattle and sheep.</p> <p>Diseases of the hoof and phalanx in cattle.</p> <p>Purulent hoof and joint inflammation</p> <p>Surgical diseases and techniques of the digit in cattle</p> <p>Management of hernias in pigs and cattle</p> <p>Class topics Esophageal obstruction in cattle.</p> <p>Traumatic reticulitis, reliculoperitonitis and pericarditis in cattle</p> <p>Laparotomy in farm animals, rumenotomy.</p> <p>Methods of surgical correction of abomasal displacement.</p> <p>Perineal surgery in cattle.</p> <p>Male castration - techniques, complications</p> <p>Bovine osteochondrosis</p> <p>Cesarean section in cattle, uterine prolapse in farm animals</p>		
Realized learning outcomes	CHG_W1, CHG_W2, CHG_W3	
	Theoretical written exam - knowledge from lectures and exercises applies	
	Minimum pass rate of 60% - below that a grade of 2.0	
	Scale of grades: 60-65% - 3,0	
	66-72%	- 3,5
	73-82%	- 4,0
	83-91%	- 4,5
	92-100%	- 5,0
Verification methods and evaluation principles and criteria	Contribution to final module grade 50%	
Laboratory practices	30	hours
<p>Principles of farm animals surgery. Fundamentals of anesthesia.</p> <p>Practical classes with a cow . restraint techniques on standing animal and in lateral recumbency, insertion of stomach tube, intravenous injections, epidural injections, distal nerve blocks, surgical approaches to certain</p> <p>Orthopedic examination, diseases of the foot in sheep- treatment and bandaging techniques.</p> <p>Orthopedic examination - hoof trimming in cattle</p> <p>Surgery of the phalanx in cattle</p> <p>Partial test</p> <p>Rumenotomy, laparotomy in cattle; surgery of intestines, urinary bladder and splenectomy.</p> <p>Class topics Laparotomy- surgical treatment of abomasal displacement and torsion</p> <p>Laparotomy in pigs; male castration</p> <p>Correction of hernias, cryptorchidism and hermaphroditism in pigs.</p> <p>Surgery of the head and neck - cattle.</p> <p>Surgery of small ruminants.</p> <p>Castration of a bull; urolithiasis in a bull.</p> <p>Teat and udder surgery.</p> <p>Final test</p>		
Realized learning outcomes	CHG_U1, CHG_U2, CHG_U3, CHG_U4, CHG_U5, CHG_U6, CHG_U7	
	A written colloquium on the exercise material for credit, graded according to a scale:	
	60-65%	- 3,0
	66-72%	- 3,5
	73-82%	- 4,0
	83-91%	- 4,5
	92-100%	- 5,0
Verification methods and evaluation principles and criteria	Successful completion of the colloquium is a prerequisite for admission to the theoretical and practical examinations.	

Practical exam - verification of practical skills acquired during the exercises and evaluation of the degree of mastery of surgical techniques according to a scale of 2-5.

Contribution to final module grade 50%

Literature:

Basic: Dirksen A. Choroby wewnętrzne i chirurgia bydła
Kulczycki J. Chirurgia weterynaryjna Kulczyckiego
Epel W. Chirurgia narządu ruchu bydła

Additional: Sikora A. Choroby owiec
Kostyra J. Trzebienie samców zwierząt domowych

Structure of learning outcomes:

Discipline	agricultural sciences - veterinary discipline	3,0	ECTS
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Discipline

Structure of student activity:

classes implemented with direct participation of the instructor	53	h	1,8	ECTS
lectures	15	h		
classes and seminars	30	h		
consultations	5	h		
participation in the exam and credits	3	h		
own work	45	h	1,2	ECTS
