

Academic subject: TECHNIQUES FOR IMPROVING REPRODUCTIVE PERFORMANCES			
Degree Class: L38		Degree Course: Animal Science	
		Academic Year: 2020/2021	
		Kind of class: optional	
		Year: III	Period: II semester
		ECTS: 2 divided into ECTS lessons: 1 ECTS exe/lab/tutor: 1	
Time management, hours, in–class study hours, out–of–class study hours lesson: 10h exe/lab/tutor:25 in–class study: 0 out–of–class study: 15			
Language: ITALIAN		Compulsory Attendance: YES	
Subject Teacher: Mario Cinone		Tel: 0805443892 e–mail: mario.cinone@uniba.it	
		Office: Department of Emergency and Organs Transplantation Room Floor 1	
		Office days and hours: Tuesday 2.30-4.30 pm Thursday 9:30-11:30 am	
Prerequisites: Animals breeding techniques. Principles of reproduction of domestic animals.			
Educational objectives: In the farm management of livestock, fertility is the main factor in the health and production management of farms. The future graduate will help the breeder to pursue such economic objectives, through the evaluation of fertility indices and assisted reproduction methods, in collaboration with the veterinarian.			
Expected learning outcomes (according to Dublin Descriptors)		<p>Knowledge and understanding: The student will have learned the principles of domestic animal reproduction during the first semester of the third year.</p> <p>Applying knowledge and understanding: During this course, the student will acquire the conditioning methods of the estrous cycle and reproductive biotechnologies relating to animals of zootechnical interest.</p> <p>Making judgements: The student will be able to evaluate the best method of managing the reproduction of farm animals, assisting the veterinarian.</p> <p>Communication: The student will learn the specific language that will allow him to interface with professionals in the sector.</p> <p>Lifelong learning skills: The student will become autonomous in the management of the activities connected with animal reproduction and care.</p>	
Course program: Hormonal conditioning of the oestrus cycle of livestock. Embryo transfer and associated techniques. Assisted reproductive technologies. Sexing of the sperm and embryos. Paternity test.			
Teaching methods: Lectures and exercises at veterinary hospital and livestock farms.			
Auxiliary teaching: For the exercises (White and disposable coat, disposable obstetric gloves, cap, disposable shoes, boots of safety rubber).			
Assessment methods: Oral exam or written test, on topics covered by the study program. The objective of the exam is to evaluate the achievement of the educational objectives of the teaching; understanding and ability to communicate general concepts and specific topics covered, will be judged			

The knowledge assessment will take place in conjunction with the verification test for the module "Sustainable and precision animal husbandry" and will compete in the final evaluation of the "Performances productive and reproductive of livestock "

Bibliography: Ptaszynska M. "Compendium of Animal Reproduction" 10th ed., Ed MSD Animal Health (2012).
Gordon I. "In vitro production of cattle embryos" CAB International (2003).
Sali G. "Manuale di teriogenologia bovina" Ed. Essegivi-Edagricole (1996).