

Subject name	Poultry Breeding and Production	
Subject code	H.DFZa.POL9.SM.HZOXY	
Department	Swine and Small Animal Breeding	
Faculty	Animal Sciences	
Subject supervisor/Lecturer	Dr. Krzysztof Andres, Dr. Malgorzata Gumulka, Dr. Marcin Lis	
General information	semester	winter
	ECTS credits	2
	Lectures total	10 hrs
	Laboratories	15 hrs
Objective and general description	<p>The aim of the course is to provide an understanding the biology of poultry. Students will get familiar with principles of poultry genetics, breeding programs, incubation and hatchery management, brooding and rearing, feeding and housing requirements, technology of egg and broiler production, management of turkey and waterfowl.</p> <p><u>Lectures</u></p> <ol style="list-style-type: none"> 1. Origin of poultry species. Breeds of poultry. 2. Qualitative and quantitative genetics of poultry. 3. Genomic and bioinformatics in poultry breeding. 4. Selection strategies for layer and broiler production. 5. Laying hens: extensive, semi intensive and intensive systems. 6. Broiler production systems. 7. Avian embryo development and incubation. 8. Duck and geese production systems. Turkey management. 9. Reproductive biology of poultry. 10. Factors affecting eggs and poultry meat quality. <p>Lab practical's</p> <ol style="list-style-type: none"> 1. Evaluation of commercial eggs quality. 2. Slaughter value and quality of poultry meat. 3. Technology of egg incubation and rearing of chicks. 4. Broiler breeders and laying hens management. 5. Semen collection, evaluation and artificial insemination. 	
Assessment method	Test of knowledge and skills (practical test).	
References	<ol style="list-style-type: none"> 1. Crawford R.D.: Poultry Breeding and Genetics. Elsevier Science Publishing Company, New York, USA, 1990. 2. Etches R. J.: Reproduction in Poultry. CABI, Oxford, UK, 1996. 3. Leeson S., Summers J.D.: Broiler Breeder Production. University Books, Guelph, Ontario, 2000, 329 pp. 4. Nesheim M. C., Austic R. E., Card. L. E.: Poultry Production. Lea & Febiger, Philadelphia, USA, 1979. 5. Muir W.M., SE Aggrey S.E.: Poultry Genetics, Breeding and Biotechnology. CABI, Wallingford, UK, 2003. 	