General Information	
Academic subject	Conservation and valorization of local breeds
Degree course	GESVIS
Curriculum	
ECTS credits	3
Compulsory attendance	No
Language	Italian

Subject teacher	Name Surname	Mail address	SSD
	Elena Ciani	elena.ciani@uniba.it	AGR17

ECTS credits details			
Basic teaching activities			

Class schedule	
Period	1st semester
Year	1st year
Type of class	Lecture- workshops

Time management	
Hours	75
In-class study hours	30
Out-of-class study hours	45

Academic calendar	
Class begins	9th October, 2017
Class ends	26th January, 2018

Syllabus	
Prerequisites/requirements	
Expected learning outcomes (according to Dublin Descriptors) (it is recommended that they are congruent with the learning outcomes contained in A4a, A4b, A4c tables of the SUA-CdS)	*Knowledge and understanding* • Knowledge of principles for management and conservation of farm animal genetic resources in local territorial systems • Knowledge of principles and techniques for estimation and monitoring of within and among populations, analysis of quantitative traits and main methods for farm animal breeding and selection. *Applying knowledge and understanding* • Ability to apply principles and tools, including the innovative ones, to monitor, manage and conserve farm animal genetic resources. • Ability to add value to animal products trhough the strengthening of the link between the breed and the territory *Making informed judgements and choices* • Ability of understanding and put into a context the issues related to the management and conservation of farm animal resources, of identifying the best operative strategies, of adapting them to the specific context of action and foreseeing implications over the long term. *Communicating knowledge and understanding* • Ability of summarizing and clearly present the

	acquired contents • Ability of using (both written and oral) the Italian language as well a san additional EU language (with special preference for the English), and using the specific lexicon acquired during the course *Capacities to continue learning* • Ability of identifying, select and acquire nuw knowledge elements, also by using the new IT technologies, and of connecting them using logical schemes and critical vision.
Contents	The contents of the course concern the study of principles and techniques for management and conservation of farm animal diversity, estimation and monitoring of within and among populations variability, analysis of quantitative traits and the principal methods for farm animal breeding and selection, following the scheme below: - Basic concepts of population genetics - Use of genetic markers to monitor farm animal genetic diversity - Traditional and innovative animal breeding approaches - Strategies for the genetic conservation of farm animal populations, genomic tools to add value to animal products, relevant legislation
Course program	
Bibliography	- FAO – World Watch List for Domestic Animal Diversity (2000) - FAO – Global Plan of Action for Animal Genetic Resources (2007) - FAO – State of the World's Animal Genetic Resources for Food and Agriculture (2007) - FAO - The Second Report on the State of the World's Animal Genetics Resources for Food and Agriculture (2015) - FAO - Phenotypic characterization of animal genetic resources (2012) - FAO - Molecular genetic characterization of animal genetic resources (2011)
Notes	
Teaching methods	Power Point presentations and classroom reading of reference texts. Active student interaction will be facilitated trough discussion of real or simulated problems and case studies.
Assessment methods (indicate at least the type written, oral, other)	Oral. For foreign student the exam may be carried out in English. For the students who passed the intermediate exam, the final evaluation will be obtained by averaging the scores in the intermediate and final exams.
Evaluation criteria (Explain for each expected learning outcome what a student has to know, or is able to do, and how many levels of achievement there are.	Very accurate (30, 30 e lode); accurate (27-29); satisfactory (23-26); sufficient (18-22); not sufficient (<18)
Further information	