General Information	
Academic subject	Safeguard and valorisation of plant biodiversity
Degree course	Sustainable Management of Mediterranean Rural Systems
Curriculum	
ECTS credits	6
Compulsory attendance	No
Language	Italian

Subject teacher	Name Surname	Mail address	
	Stefano Pavan	stefano.pavan@uniba.it	

ECTS credits details	Area	Credits	SSD
Basic teaching activities	Agricultural Genetics	6 ECTs	AGR/07

Class schedule	
Period	I semester
Year	I year
Type of class	Lectures (4 ECTs) + Laboratories (2 ECTs)

Time management	
Hours	150
In-class study hours	60
Out-of-class study hours	90

Academic calendar	
Class begins	
Class ends	

Syllabus	
Prerequisites/requirements	
Expected learning outcomes	*Knowledge and understanding* Basic concepts on population genetics, genetic erosion, conservation genetics and plant breeding *Applying knowledge and understanding* Application of methodologies for the conservation of plant genetic resources, the creation of genetic variation and plant breeding *Making informed judgements and choices* Capacity to understand suitable tools for the management of plant biodiversity in terms of safeguard and valorisation *Communicating knowledge and understanding* Development of personal skill of communication, multidisciplinary group work and judging capacity *Capacities to continue learning* Capacity to update knowledge on the subject
Contents	The student will deepen basic concepts of population genetics, conservation genetics and plant breeding, which are essential to take actions on the safeguard and valorization of plant genetic resources. Main contents of the course will be: 1) Plant biodiversity and its origin; 2) the issue of genetic erosion and safeguard of genetic resources; 3) methodologies for the valorization of plant biodiversity by means of plant breeding.

Course program	
Bibliography	•BARCACCIA G, FALCINELLI M, 2005. Genetica e genomica. Vol. II: "Miglioramento genetico". Liguori Editore. •LORENZETTI F, FALCINELLI M, VERONESI F, 1994. Miglioramento genetico delle piante agrarie. Edagricole.
Notes	
Teaching methods	Themes tackled during the course will be presented by means of Power Point presentations and the reading of scientific publications.
Assessment methods (indicate at least the type written, oral, other)	The exam will consist of an oral test on questions related to the subjects deepened during the Course, as pointed out in the Regolamento Didattico del Corso di Studio Magistrale in GESVIS (art. 10) and in the curriculum scheme (Annex A). For students that passed the intermediate exam, the overall evaluation mark will be the average between marks obtained at the intermediate exam and the final exam.
Evaluation criteria	Capacity to correctly report themes related to population genetics, conservation genetics and plant breeding Capacity to correctly report methodologies for the safeguard and valorization of genetic resources Capacity to evaluate most suitable strategies for the safeguard and valorization of genetic resources Capacity to communicate knowledge acquired during the course Capacity to update knowledge on themes treated during the course
Further information	