General Information	
Academic subject	Economics of natural resources
Degree course	Agricultural science and technologies; Management and Conservation of ago-forest environment
Curriculum	
ECTS credits	6
Compulsory attendance	No
Language	Italian

Subject teacher	Name Surname	Mail address	SSD
	Giacomo Giannoccaro	giacomo.giannoccaro@uniba.it	AGR/01

ECTS credits details	Lectures	Laboratory and field classes	Total
Basic teaching activities	4 ECTS	2 ECTS	6

Class schedule	
Period	Second semester
Year	Free choice
Type of class	Theoretical lecture and practical works at classroom

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

Academic calendar	
Class begins	
Class ends	

Syllabus	
Prerequisites/requirements	Basic knowledge of Economics: private, common and public goods, environmental externality, discount rate.
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 foundational principles of Economics applied to natural resources and environment *Applying knowledge and understanding* ○ Ability to apply the acquired knowledge of sustainable exploitation of natural resources to the rural and local areas *Making informed judgements and choices* ○ Ability to recognise main elements underpinning the sustainable rate of resource use (forestry, fishing, water, pasture) and environment. ○ Ability to analyse the key points in natural resource and environment management within context specificity *Communicating knowledge and understanding* ○ Ability to describe economic phenomena and the mechanisms underlying management policy of natural resources and environment, using an appropriate technical language

	Capacities to continue learning ○ Ability to go in-depth, to update the knowledge, to acquire data and information about the optimal allocation of natural resources
Contents	Introduction to the economics of natural resources. Introduction to the environmental economics. Renewable and non-renewable resources. The optimal allocation of natural resources. The forestry and fishing cases. Issues in the economics of water use. Natural resources valuation. Management tools and E.U. policy.
Course program	
Bibliography	• Kerry Turner, David W. Pearce e Ian Bateman (1996). Economia ambientale. Il Mulino, Bologna. • J. Conrad (1999). Resource Economics. Cambridge University Press • Tom Tietenberg, Henk Folmer (2000). The international yearbook of environmental and resource economics 2000/2001. Edward Elgar Publishing, UK.
Notes	
Teaching methods	Lectures will be presented through PC assisted tools (Powerpoint, Adobe Acrobat, etc.), slide projector, readings from scientific journals. Practical on-group exercises will be carried out. A couple of seminars by prestigious researchers will be scheduled.
Assessment methods (indicate at least the type written, oral, other)	For all students there will be a final test. This test is carried out in oral form on the topics developed during the lectures. The evaluation is expressed in thirtieth and the achievement of a minimum grade of 18/30 is needed. Eventually, the practical activities will be evaluated. The exam consists of an oral test on the topics developed during the lectures, both theoretical and practical, with the aim to verify the acquired knowledge and the ability to face practical issues. The evaluation of the student's preparation is done on the basis of established criteria, as detailed in Annex A of the Teaching Regulations of the Degree course in AGRICULTURAL SCIENCE and TECHNOLOGIES and Degree course in MANAGEMENT AND CONSERVATION OF AGRO-FORSET ENVIRONEMNT (art. 9). The evaluation of the Foreign students' preparation can be made in English.
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.	*Knowledge and understanding* ○ Ability to clearly describe the economic models to achieve a sustainable use of natural resources *Applying knowledge and understanding* ○ Ability to describe current management policy at the national and European level *Making informed judgements and choices* ○ Ability to grasp elements leading to the enhancement of natural resources sustainability *Communicating knowledge and understanding*

	○ Ability to describe natural resources and economic-related phenomena using fluently economic language. *Capacities to continue learning* ○ Apply the skills acquired to enhance the natural resources sustainability in the current period
Further information	**Visiting hours:** Tuesday from 03.00 p.m. to 05.00 p.m., by e-mail appointment. Wednesday and Thursday from 12.00 a.m. to 02.00 p.m. by e-mail appointment.