



**UNIVERSITY OF BASILICATA STUDIES**  
**DEPARTMENT OF MATHEMATICS, INFORMATICS AND**  
**ECONOMICS**

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COURSE: Natural Resources Economics – Module 2

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ACADEMIC YEAR: 2019-2020

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TYPE OF EDUCATIONAL ACTIVITY: Characterizing

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TEACHER: Giovanni Quaranta

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website:

<http://docenti.unibas.it/site/home/docente.html?m=001986>

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phone: 0971 205411

mobile (optional):

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Language: Italian

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ECTS:	n. of hours:	Campus: Potenza	Semester: II
4	28	Dept./School: Mathematics, Computer Science and Economics	
		Program: Business Economics	

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#### EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

Knowledge and understanding skills: basic knowledge of the main notions and methodological categories for the analysis of natural resources and their interaction with the economy.

Ability to apply knowledge and understanding: Students will be able to analyse the main interactions between natural resources and socio-economic structure and to evaluate the different strategic options for a sustainable use of the resources. They will also be able to apply the main methodological analytical models.

**Independent judgement:** Students will develop thinking and reasoning skills on the theoretical and practical topics discussed in the classroom. The analysis of real cases will perfect the students' ability to analyze and propose solutions.

**Communication skills:** By the end of the course, students must demonstrate knowledge over the developed topics, by employing an appropriate language and making the subject's keywords their own.

**Learning skills:** Students will refine the ability to learn concepts with a strong multidisciplinary character. The acquisition of skills related to the main concepts of the economics of natural resources and of some analytical tools necessary to make these abilities operational will be promoted. The student will know how to deal with complex problems by learning the theoretical concepts and improving their analytical skills.

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#### PRE-REQUIREMENTS

It is recommended to have acquired and assimilated the knowledge provided by the courses in Political Economy (Microeconomics) and Mathematics.

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#### TEACHING METHODS

Theoretical lessons, Classroom tutorials, Project works, Technical visits

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#### EVALUATION METHODS

Intermediate written test / Oral examination

For students attending the course there are two written tests (one intermediate and one at the end of the course) with the possibility of integrating the evaluation with an oral examination. Each written test includes 10 closed-ended questions, 2 open-ended questions and 1 exercise. Only those who have passed the first test with a score equal or above 18/30 are admitted to the second written test. The final grade is given by the average of the scores reported in the two tests. Passing only the first test implies the necessity to take the oral exam. For all the others and for attending students who do not pass the written tests during the course, there will be an oral exam based on the discussion of 3 topics covered during the course.

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**TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL**

- Tom Tietenberg, *Economia dell'ambiente*, Publisher: McGraw-Hill Companies, Price: 31,00 Euros, 2006. Basic text for all covered topics.
- Kerry R. Turner, David W. Pearce, Ian Bateman, *Economia Ambientale*, Publisher: Il Mulino, 2003. Chapter 16: *Le risorse rinnovabili*; Chapter 18: *Le risorse non rinnovabili*.

Supplementary materials will be made available online by the teacher during the course.

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**INTERACTION WITH STUDENTS**

Office hours: appointment arranged via e-mail.

The teacher will be available at all times for communication with students through his own e-mail.

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SEMINARS BY EXTERNAL EXPERTS    YES     NO

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FURTHER INFORMATION

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