

COURSE: NATURAL RESOURCES ECONOMICS			
ACADEMIC YEAR: 2017/2018			
TYPE OF EDUCATIONAL ACTIVITY: Characterizing			
TEACHER: Prof. Giovanni Quaranta			
e-mail: giovanni.quaranta@unibas.it		website: www.unibas.it	
phone: 0971-205411		mobile (optional):	
Language: Italian			
ECTS: 8	n. of hours: 56	Campus: Potenza Dept. Of Mathematics, Computer Sciences and Economics	Semester: I

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

- **Knowledge and understanding:** Basic knowledge of the main conceptual and methodological categories for the analysis of natural resources and their interaction with the economy.
- **Applying knowledge and understanding:** The student will be able to analyse the main interactions between natural resources and socio-economic organization and to evaluate the strategic options for sustainable use of resources. It will also learn the main theoretical and methodological models.
- **Making judgements:** The student will develop critical skills and reasoning on the theoretical and practical topics discussed in the classroom. The use of real-case study will allow the student's ability to analyse and suggest solutions.
- **Communication skills:** At the end of the course, the student will have to demonstrate the knowledge of the topics developed using an appropriate language, making the subject's own keyword.
- **Learning skills:** The student will learn the ability to internalise concepts with a strong multidisciplinary character. The achievement of skills related to the fundamental concepts of the natural resources economics and some analytical tools needed to make these skills operational will be encouraged. The student will face complex problems by learning theoretical notions and refining their analytical skills.

PRE-REQUIREMENTS

It is recommended that students obtain and assimilate the knowledge provided by the courses of Political Economics (Microeconomics) and Mathematics.

SYLLABUS

The course covers the following areas of study: 1.) Interactions between economic and natural systems. 2.) Economics and environmental problems (failure of markets and environmental safe-guards, limitations to growth and sustainable development: weak and strong sustainability. 3.) Sustainable development: indicators and rules for sustainability; economic growth and natural resources; demographic growth, poverty and environmental degradation. 4) Environmental policies and practical tools. Application and examples relative to natural resources.

TEACHING METHODS

Theoretical lessons, Classroom tutorials

The course includes 56 hours of classroom teaching and includes frontal lessons, seminars, exercises, testimonies

EVALUATION METHODS

For the students attending the course, two written tests (one intermediate and one final) are provided, with the possibility of supplementing the evaluation with an oral exam. Each written test provides 10 closed-ended questions, 2 open answer questions, and 1 exercise. Only those who have passed the first test with a grade of not less than 18/30 are admitted to the second test. The final score is given by the mean of the scores of the two tests. Failing the second written test imply the need to give the oral exam.

For all others students, including the ones attending the course who do not pass the written tests, the oral exam is characterized by the discussion of 3 subjects covered within the course.

TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL

- Tom Tietenberg, *Economia dell'ambiente*, McGraw-Hill Companies, 2006.
- Kerry R. Turner, David W. Pearce, Ian Bateman, *Economia Ambientale*, Il Mulino 2003. Chap. 16 and Chap. 18

Further teaching material will be provided online by the instructor during the course.

INTERACTION WITH STUDENTS

LOGO DELLA STRUTTURA PRIMARIA

At the beginning of the course the Instructor describes the objectives, the outline and the evaluation methods. He also inform students on the additional teaching material that will be available online during the course.

Office hours:

Monday from 1.00 pm to 2.00 pm; Tuesday from 9.00 pm to 12.00 pm; Wednesday from 3 pm to 5 pm at the room No. 441, 4th floor.

In addition to the weekly time, the Instructor can be available at any time for contact through email.

EXAMINATION SESSIONS (FORECAST)¹

Feb 09/2018

Feb 23/2018

April 06/2018

May 18/2018

July 13/2018

Sept 07/2018

Nov 16/2018

SEMINARS BY EXTERNAL EXPERTS YES NO

FURTHER INFORMATION

¹ Subject to possible changes: check the web site of the Teacher or the Department/School for updates.