

955SV - Economics of Natural Resources

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Economics of natural resources

- ▶ Understand the role of natural resources in the economy.
- ▶ Study the interactions between economic and natural systems to develop a sustainable and efficient economy.
- ▶ Analysis of the supply, demand, and allocation of the Earth's natural resources.
- ▶ Development of sustainable methods of managing natural resources to ensure their availability for future generations.

Goals

- ▶ Know, understand and interpret:
 - ▶ theoretical models and empirical evidence describing the relationship between the economic system, the environmental ecosystem and the social context;
 - ▶ theoretical models and the evaluation methods used for managing natural resources and the environment;
 - ▶ environmental policies and efficient use of natural resources;
 - ▶ multidisciplinary notion of sustainable development and circular economy

- ▶ No propaedeutic exams!

Topics

- ▶ 1. Economics, natural resources and the environment
- ▶ 2. Markets and public goods
- ▶ 3. Environmental policies
- ▶ 4. Environmental evaluation
- ▶ 5. Renewable and nonrenewable resources economics

References

- ▶ Perman, R., Ma, Y., McGilvray, J., Common, M.. Natural resource and environmental economics, Pearson Education. 3 ed
 - ▶ http://ndl.ethernet.edu.et/bitstream/123456789/15310/1/31%20.%20Roger_Perman.pdf
- ▶ Tietenberg, T., Lewis, L. Environmental and natural resource economics, Routledge, 9 ed.
 - ▶ <https://studyhub.altervista.org/wp-content/uploads/2020/05/Tietenberg-Tom-Lewis-Lynne.-Environmental-Natural-Resource-Economics-Libro-Green-Finance.pdf>
- ▶ Hanley, N., Shogren, J., White, B. Introduction to Environmental Economics, Oxford, 3 ed.
- ▶ Additional material in Moodle and Teams

Exam

- ▶ Written exam
 - ▶ open-ended questions, multiple choice questions and exercises
- ▶ Partial tests
 - ▶ Intermediate exams will be organized at the end of the I module (32 hours) and at the end of the II module (16 hours).
 - ▶ Partial tests as an alternative to the final exam have to be positively evaluated (18/30) to pass the exam.
 - ▶ It is possible to take again the intermediate test if the evaluation is not positive only during the first official exam date.
- ▶ The program of the course and the exams rules apply also to Erasmus students and to students participating in other international mobility projects.

Homework and research tasks

- ▶ Homework may be assigned during each Module.
- ▶ Maximum 1 point can be earned for each module.
- ▶ Research tasks may be assigned during the course.
- ▶ A maximum of 1 point can be earned for research tasks (for the whole course).
- ▶ The 3 points will be added to the final grade.
- ▶ Examples:
 - ▶ If you get 25/30 and you have 3 additional points from homework and research tasks, your final grade will be 28/30.
 - ▶ If you get 28/30 and you have 3 additional points, your final grade will be 30/30 with honors (lode).

Contacts and office hours

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- ▶ Office hours

- ▶ via Teams on request by email

- ▶ Prof. Gianluigi Gallenti (II Module)

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- ▶ Office hours

- ▶ In-person to be arranged via email - room 2.2, II floor, bld. D

- ▶ via Teams on request by email