

MODUL ENVIRONMENTAL AND NATURAL RESOURCES ECONOMICS



MASTER PROGRAM OF ENVIRONMENTAL SCIENCE
SCHOOL OF POSTGRADUATE STUDIES
DIPONEGORO UNIVERSITY

A Module Descriptions:

Module design	Environmental and Natural Resources Economics
Module level, if applicable	
Code, if applicable	P-CIL-8-102
Subtitles, if applicable	
Courses, if applicable	
Semester(s) in which the module is taught	1 st Semester
Person responsible for the module	Prof. Dra. Indah Susilowati, MSc., Ph.D
Lecturer	1. Prof. Dra. Indah Susilowati, MSc., Ph.D 2. Prof. Dr. Ir. Aziz Nur Bambang, MS
Language	<i>Indonesian and English</i>
Relations to curriculum	
Type of teaching, contact hours	<i>Lecture: 180 minutes Q&A: 30 minutes Discussion: 30 minutes Presentation: 30 minutes Individual Assignment: 60 minutes</i>
Workload	<i>(Estimated) workload, divided into contact hours (lecture, exercise, laboratory session, etc.) and private study, including examination preparation, specified in hours,¹ and in total.</i>
Credit points	<i>3 credit points / 6 ECTS</i>
Requirements according to the examination regulations	<i>Minimum attendance of lectures 75%</i>
Recommended prerequisites	<i>eg existing competences in...</i>

Module objectives/intended learning outcomes	• Students can explain and describe the concept of environmental economics; • Able to operate expertise in the field of environmental economics in completing environmental management issues and linking them economically; and • Able to combine themselves with the situation at hand in solving dynamic environmental problems.
Content	This course is a compulsory subject in the Environmental Science master's program. This course discusses the concept and understanding of the management and use of natural resources. Discussed the principles of optimizing the use and management of natural resources as well as regulatory policies and some static techniques of natural resource analysis. Concept and understanding of economic value and the influence of natural resource management on welfare.
Study and examination requirements and forms of examination	• <i>Open book and close book</i> • <i>Multiple choice, case study, interview, practice</i>
Media employed	<i>Powerpoint, youtube, website</i>
Reading list	1. EIK's daughter, Nuva. 2014. Environmental Economics. IPB Press. Bogor 2. Fauzi A. (2005). Historical Perspectives in Economic Valuation. Economic Valuation Training Material. 3. Fauzi, Akhmad 2010. Economics of Natural Resources. And Environment. Main Library Gramedia. 4. Forestman and Company, Boston. 5. Grafton, RQ; et all. 2004. The Economics of the Environment and Natural Resources. Blackwell Publishing.UK 6. Hanley, N., J. F, Shogren, and B. White. 2002. Environmental Economics in Theory and Practice. Palgrave MacMillan, New York. 7. Hawken, Paul. 2010. The Ecology of Commerce Revised Edition: A Declaration of Sustainability (Collins Business Essentials). Harper Business. 8. Kolstad, C.D. 2012. Environmental Economics. Oxford University Press; 2nd edition. 9. Smith, Stephen. 2011. Environmental

	Economics: A Very Short Introduction. Oxford University Press; 1st edition 10. Tietenberg, T. and Lewis, Lynne. 2019. Environmental Economics: The Essentials. Routledge.
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