

**Description of Course Unit**

Course unit title	Environmental and natural resources Economics
Course unit code	EI 21119
Type of course unit (compulsory, optional)	Compulsory
Level	Bachelor of Economics (B.Ec)
Semester	5
Number of credits	3
Name of lecturer(s)	1. Prof. Dr. Endah Saptutyingsih, M.Si. (endahsaptuty@umy.ac.id) 2. Diah Setyawati Dewanti, M.Si., PhD. (ddewanti@umy.ac.id)
Learning outcomes of the courseunit	<ol style="list-style-type: none"> 1. Students are able to explain the basic concepts of the economy of natural resources and the environment 2. Students are able to explain about the use of natural resources and the quality of the environment in developing countries 3. Students are able to explain about positive externality vs. negative externality 4. Students can explain about market goods vs non-market goods 5. Students are able to analyze and solve environmental valuation problems 6. Students are able to diagnose and grumble about willingness to pay vs willingness to accept 7. Students are able to diagnose and grasp about replacement cost and cost of illness 8. Students are able to diagnose and grasp about cost and benefit analysis 9. Students are able to identify, diagnose and interrogate about hedonic price methods 10. Students are able to identify, diagnose and grasp about travel cost methods 11. Students are able to identify, diagnose and grasp about contingent valuation methods 12. Students are able to identify, diagnose and grasp about choice modelling
Mode of delivery (face-to-face, distance learning)	Face-to-face and blended learning
Prerequisites and co-requisites	All compulsory courses from semester 1-4
Course content	This course studies the concepts of the economy of natural resources and the environment, economic and environmental paradigms, sustainable economics, environmental quality, externality, natural resource utilization, environment and developing countries, value typology, market valuation, methods of evaluation of environmental damage, revealed preferences techniques, stated preference techniques, Benefit Cost Analysis and dose response.



Recommended or required reading and other learning resources/tools	<p>Main: Perman R, Ma Y, Common M, Maddison D, McGilvray J (2011) Natural Resource and Environmental Economics, 4th edn. Pearson Education.</p> <p>Supplementary: Bromley DW (ed) (1995) The Handbook of Environmental Economics. Blackwell Publishers, Oxford, UK and Cambridge, USA</p>
Planned learning activities and teaching methods	Tutorial, case study, self-directed study, discovery learning, role play, simulation, focus group discussion, cooperative learning, project based learning
Language of instruction	Indonesian/English
Assessment methods and criteria	Quiz, assignment, Evaluation Course Learning Outcome (ECLO)

GRADE	SCORE (%)	PREDICATE	Description	Conversion Value
A	$80 \geq ..$	Excellence	Achieve learning outcomes with excellence grade	4
AB	$75 \leq AB < 80$	Very Good	Achieve learning outcomes with very good grade	3,5
B	$65 \leq B < 75$	Good	Achieve learning outcomes with good grade	3
BC	$60 \leq BC < 65$	Good Enough	Achieve learning outcomes with good enough grade	2,5
C	$50 \leq C < 60$	Enough	Achieve learning outcomes with enough grade	2
D	$35 \leq D < 50$	Less	Achieve learning outcomes with less grade	1
E	$.. < 35$	Failed	Failure to achieve learning outcomes	0