

Module Name	Tropical Landscape Ecology
Code, if applicable	GEL 3108
Semester(s) in which the module	Fifth (5 th) Semester
Person responsible for the module	Eko Haryono, Dr., M.Si.
Lecturer	Eko Haryono, Dr., M.Si. Junun Sartohadi, Prof. Dr.
Language	Bahasa Indonesia
Relation to curriculum	Elective
Type of teaching	STAR (<i>Student Teacher Aesthetic Role-Sharing</i>) is an optimal combination between SCL (<i>Student Centered Learning</i>) and TCL (<i>Teacher Centered Learning</i>).
Workload	Lecturer: 1400 minutes, including homework and discussion = 14 meetings x 100 minutes each Mid Semester Examination: 100 minutes Final Semester Examination: 120 minutes Total workload = 1620 minutes
Credit points	2
Requirements according to the examination regulations	Must attend lecture for more than 70%
Recommended prerequisites	-
Module objectives/intended learning outcomes	Students are able to explain: <ol style="list-style-type: none"> 1. the concept of interrelationship, interaction, interdepend of among the landscape component, especially in the tropical areas 2. able to identify geographical problems and environmental resources
Content	<ol style="list-style-type: none"> 1. The Structure Landscape Ecology 2. Flow of energy and Material 3. Change of Structure 4. Disturbances 5. Ecology of Tropical Peat Forest 6. Ecology of Mangrove Landscape 7. Ecology of Karst Landscape 8. Ecology of Sand dune Landscape 9. Ecology of Volcanic Landscape 10. Ecology of Coral Reef and Sea Gras 11. Ecology of Urban Landscape
Study and examination requirements and forms of examination	Individual assignment 20%, Summative Test (Mid-term and Final Exam) 65%, and other activity/Quiz 15%
Media employed	<ul style="list-style-type: none"> - ELISA website - Internet - Computers - Interactive video - LCD projector
Reading list	Forman RTT, and M Godron.1986. Landscape ecology. Wiley, New York.

	<p>Forman RTT. 1995. Land mosaics: the ecology of landscapes and regions. Cambridge University Press, Cambridge, England.</p> <p>Hobbs R. 1997. Future landscapes and the future of landscape ecology. <i>Landscape and Urban Planning</i> 37:1-9.</p> <p>Risser PG, JR Karr, and RTT Forman. 1984. Landscape ecology: directions and approaches. Special Publ. No. 2, Ill. Natural Hist. Surv., Champaign.</p> <p>Turner MG. 1989. Landscape ecology: the effect of pattern on process. <i>Ann. Rev. Ecol. Syst.</i> 20:171-197.</p> <p>Turner MG, RH Gardner, and RV O'Neill. 2001. <i>Landscape Ecology in Theory and Practice: Pattern and Process</i>. Springer, New York.</p> <p>Turner MG. 2005. Landscape ecology: what is the state of the science? <i>Annu. Rev. Ecol. Evol. Syst.</i> 36:319-44.</p>
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