



Course Module

Management of Conservation Areas

Faculty of Forestry

Mulawarman University

Module name	Management of Conservation Areas
Modul level, if applicable	Doctoral
Code, if applicable	220401902P058
Subtitle, if applicable	
Courses, if applicable	Regular
Semester(s) in which the module is taught	The course is available in all active teaching semesters
Person responsible for the module	Dr. Rachmad B. Suba, S.Hut., M.Sc.
Lecturer	Dr. Rachmad B. Suba, S.Hut., M.Sc. Dr. Ir. Triyono Sudarmadji, M.Agr Dr. Yaya Rayadin, S.Hut., MP
Language	Indonesia, English
Relation to curriculum	Elective Course
Type of teaching, contact hours	Direct instruction, discussion, and assignment
Workload	Number of meetings per semester 16 meetings (14 meetings for learning activity, 1 meeting for mid-semester, 1 meeting for final examination) For this course, students are required to meet a minimum of 79.3 hours per semester, which consist of : - 23.33 hours for lecture - 28 hours for structured assignments - 28 hours for individual study
Credit points	2 SKS / 3.2 ECTS Details: 1 Credit = 170 min / week 1 Credit = 170 min x 14 week = 2380 min / semester 1 Credit = 39.7 h / semester 1 ECTS = 25 h/ Semester 1 Credit = 1.59 » 1.6 2 Credit = 1.6 x 2 = 3.2 ECTS
Requirements according to the examination regulations	

Recommended prerequisites	
Module objectives/intended learning outcomes	Intended Learning Outcome (ILO) Attitude 1. CPL1/ILO1 (S1) - Internalize values, norms, and ethics Knowledge 2. CPL2/ILO2 (P1) - Synthesize knowledge acquired from research findings with novelty and its implementation 3. CPL3/ILO3 (P2) - Discover and develop scientific conceptions with novelty value, and develop scientific arguments as scientific solutions General Skills 4. CPL4/ILO4 (KU1) - Critically analyze the philosophy, theory, and research methodology in forestry and the moist tropical environment sciences through interdisciplinary, multidisciplinary, and transdisciplinary approaches 5. CPL5/ILO5 (KU2) - Demonstrate academic leadership in resource management to independently formulate research plans and possess scientific ethics Specialized Skills 6. CPL7/ILO7 (GS4) - Work and communicate in an international context Course Learning Outcome (CLO) 1. CLO 1 : Students are able to explain the history of the conservation movement, basic concepts of biodiversity, and types of conservation areas, including the philosophy of conservation, characteristics of tropical biodiversity, flag and umbrella species, as well as rarity and endemism. 2. CLO 2: Students are able to analyze and design conservation area management, including zoning, efficiency techniques, and conservation area management models, by considering biological and non-biological aspects as well as extreme weather conditions. 3. CLO 3 : Students are able to identify threats to conservation areas both internally and externally, and design solutions based on collaboration and partnerships involving international relations related to protected wildlife, species diversity, and genetic diversity.
Content	The "Conservation Area Management" course provides students with a comprehensive understanding of the principles and practices essential for managing conservation areas effectively. Starting with the foundational concepts and standards of conservation area management, the curriculum explores the history of conservation movements, types of conservation areas, and in-depth discussions on biodiversity, including tropical biodiversity, flag species, and concepts of rarity and endemism. It progresses to examine biological and non-biological conservation strategies, zoning management, legal frameworks, and the interplay between central and regional authorities in conservation

	efforts. The course also covers practical aspects of conservation such as in-situ and ex-situ conservation methods, captive breeding, and strategic partnerships necessary for successful conservation management. The complete topic of each meeting is mentioned below: 1. Master and understand the subject matter of Conservation Area Management (PKK) and its competency standards (1st session) → CLO1 2. Explain the history of the conservation movement and the types of conservation areas (2nd session) → CLO 1. 3. Explain the concept and definition of biodiversity, as well as identify its characteristics and conservation status (3rd session) → CLO 1. 4. Explain and identify the characteristics of tropical biodiversity, flag and umbrella species, as well as rarity and endemism (4th session) → CLO 1. 5. Understand, master, and explain the concepts of biological and non-biological conservation, as well as the impact of extreme weather conditions (5th session) → CLO 2. 6. Able to develop descriptions and analyze the characteristics of in-situ and ex-situ conservation, as well as captive breeding (6th session) → CLO 2. 7. Able to design area management, zoning, and efficiency techniques for the management of conservation areas and zoning systems (7th session) → CLO 2. 8. Able to design zoning divisions and zoning management models for conservation areas (8th session) → CLO 2. 9. Midterm Exam (9th session) → Assessment 10. Able to explain the working relationships and authority in the management of conservation areas (and protected areas) between the central and regional governments (10th session) → CLO 3. 11. Able to explain the legal basis and legitimacy of zoning distribution, as well as analyze the authority of conservation area management between the central and regional governments (11th session) → CLO 3. 12. Able to select and determine target species for management, including endemism, rarity, and common species (12th session) → CLO 3. 13. Able to understand the concept and implementation of partnerships and collaboration in the management of conservation areas (educational and research forests) (13th session) → CLO 3. 14. Able to understand various threats to the existence of conservation areas, both direct and indirect, as well as from internal and external sources (14th session) → CLO 3. 15. Able to understand various international relations concerning protected wildlife, species diversity, and genetic diversity (15th session) → CLO 3. 16. Final Exam (16th session) → Assessment.				
Study and examination requirements and forms of examination	Evaluation and assessment of learning achievement based on: <table><tr><th>No.</th><th>Objects of Assessment</th><th>Forms of Assessment</th><th>Quantity (%)</th></tr></table>	No.	Objects of Assessment	Forms of Assessment	Quantity (%)
No.	Objects of Assessment	Forms of Assessment	Quantity (%)		

	1	Affective	Participation	10
	2	Assignment/Case Study	Group Presentation	25
	3	Project	Report	25
	4	Mid-semester test	Written test	15
	5	Final semester test	Written test	25
	TOTAL			100
Media employed	Class, Ms. Powerpoint, Ms. Word, Computer, LCD, STAR			
Reading list	1. Pengelolaan Kawasan Konservasi (John Mackinnon) 2. Mengapa Hutan Tropis bisa Rusak. 2011. (Chandra Boer). Makindo Grafika, Yogyakarta 3. Orangutanku Tersayang. 2012. (Chandra Boer). Gramedia, Jakarta 4. Rekreasi Alam. 1999. (Chandra Boer). Diktat Kuliah 5. Maintaining Biodiversity in Forest Ecosystems. 1999. (Malcom L. Hunter JR). Cambridge University Press 6. Global Biodeversity Strategy. 1992. WRI, IUCN dan UNEP, FAO dan UNESCO 7. Creative Conservation. 1994. PJS. Olney, GM. Mace dan ATC. Feistner 8. Biological Diversity. The coexistence of species on changing landscapes. 1994. (Michael A. Huston). Cambridge University Press 9. Various other related scientific articles on the Management of Conservation Areas			