

University of Gadjah Mada

Faculty of Forestry Study Program of Doctor in Forestry Science

Module Handbook

Name (Code)	: Methodology and Ethic of Forestry Research thrust Forest Resource Conservation (KTDU22802)									
ECTS Type Status	: 7.5 Class lecture Compulsory									
Semester OfL:OnL	: 1 60:40 elok.ugm.ac.id									
Ratio LMS										
Pre-Requisite	:-									
Description of content	: This course raises the basics of developing forestry science through research, including scientific theory and									
	its benefits for research, components and characteristics of theory, research propositions, basics of analysis									
	in research, principles of measurement and experimental analysis. The discussion also raises cases of field									
C Ot	and laboratory research on ecology and wildlife, watershed and conservation area, and tourism.									
Course Outcomes and PLO mandated	Finishing this course, student will be able to formulate research questions as the basis of dissertation research (CLO1/PLO1), to select methods for appropriate research approach (CLO2/PLO2), to draft a									
r LO mandated	proposal for dissertation research in the field of forest conservation (CLO3/PLO4), and to identify the									
	requirement for proposing manuscript (CLO4/PLO4)									
Lecturer(s)	1. Dr. Ir. Ambar Kusumandari, M.E.S.									
	2. Prof.Dr. Ir. Djoko Marsono, M.P.									
	3. Dr. Hero Marhaento, S.Hut., M.Si									
Workload	: Total workload per semester is for 14 weeks, with weekly activities: 2*(50' lectures, 60' structure							ıred		
	activities, 60' independent study), and 2 mid-exam and final exam weeks.									
Learning Method		ecture and Disc								
Student Learning	: Actively discuss the class material and research cases, structured assignment, group work, quiz,									
Experience	material reflection, review of literature and problem in forestry sectors CLO Syllabus Learning form Meeting							Mostin		
Mapping CO-syllabus	CLO	Syllabus			Leai	ning tori	m	Meetin gs		
	1	1 1. Introduction				Class lecture,				
	_	2. Research Stages				discussion, and				
			Title, Background, Research Objectives and ire Review			assignment				
		_								
	4. Sampling and Data Collection Techniques5. Data Analysis Method									
	2					Presentation,				
	7. Ecology and Animal Research Example					discussion, and				
		8. Watershed Research Methodology					assignment			
		9. Watershed Research Example 10. Conservation Area and Natural Tourism Research								
		Methodology								
		11. Examples of Research on Conservation Areas and Natural								
		Tourism								
	3	12. Presen	tation of Draf proposal	on of Draf proposal		Presentation and				
					disc	discussion				
	4	13. Manus	cript Writing Procedure for Journals			Class lecture and		2		
A	Dana -4	f Frankration	Commonant of Evaluation	61.01		ussion	CLOA	Tatal		
Assessment method	base of	f Evaluation	Component of Evaluation	CLO1	CLO2	CLO3	CLO4	Total (%)		
	Participative activity		Assignment	٦/		√	√	30		
	Cognitive &		Mid exam	√	√	V	V	30		
	Psychomotoric		Wild Chairi	'	•			30		
	Case Study result		Final exam/ presentation		V	V	V	40		
References	1. Ford, E.D. 2004. Scientific Method for Ecological Research. Cambridge. Cambridge University P						Press.			
	588p.									
	_	·								
	Gash Agriculture Scheme Paperback									
	3. Naghettini, M. 2017. Fundamentals of Statistical Hydrology 1st Edition.									
	 Ramesh S. V. Pand Teegavarapu, Ph.D., Jose D. Salas. Jery R. Stedinger. 2019. Statistical Analysis of Hydrologic Variables: Methods and Applications. American Society of Civil Engineers 									