University of Gadjah Mada
Faculty of Forestry
Study Program of Doctor in Forestry Science
Module Handbook

Name (Code)	: Dynamics of Malesiana Flora (KTDS22808)
ECTS | Type | Status	: 7.5 | Class lecture | Elective
Semester | OfL:OnL Ratio | LMS	: 1 | 60:40 | elok.ugm.ac.id
Pre-Requisite	: -
Description of content	: This course raises the theme of the existence of various types and groups of plants belonging to the Malesiana Flora; including the basis of the plant species, groups of plants belonging to the Malesiana Flora; including basic knowledge of plant geography, biome characteristics, flora history; flora dynamics over time, to the basic analysis of Flora Malesiana.
Course Outcomes and PLO mandated	Finishing this course, student will be able to analyse the basics of plant geography (CO1/PLO3), to identify the biome synthesis and flora dynamic development (CO2/PLO3), to differentiate the flora of Malesiana in each biome (CO3/PLO4), and to reconstruct the flora of Malesia (CO4/PLO7).
Lecturer(s)	1. Atus Syahbudin, Ph. D. 2. Prof. Dr. Mohammad Na'iem 3. Dr. Dwi Tyaningsih Adriyanti
Workload	: Total workload per semester is for 14 weeks, with weekly activities: 2*(50' lectures, 60' structured activities, 60' independent study), and 2 mid exam and final exam weeks.
Learning Method	: Class Lecture and Discussion
Student Learning Experience	: Actively discuss the class material and cases, structured assignment, group work, quiz, material reflection, review of literature in forestry sectors

Mapping CO-syllabus

CO	Syllabus	Learning form	Meetings
1	1. History of continents 2. History of flora 3. History of the flora of malesiana	Class lecture and discussion	3
2	4. Biomes 5. Wallacea Part1 6. Wallacea Part2	Class lecture, discussion, assignment	3
3	7. Chapter on mountain forests 8. Chapter on coastal forests and mangroves 9. Chapter on swamp and peat forest	Class lecture, discussion	3
4	10. Chapter on Tropical rainforest 11. Chapter on lowland forest 12. Review 13. Interrelation and evaluation	Class lecture, discussion, presentation	5

Assessment method

Base of Evaluation	Component of Evaluation	CO1	CO2	CO3	CO4	Total (%)
Participative activity	Assignment, quiz, and presentation	√	√	√	√	40
Cognitive & Psychomotoric	Mid exam	√	√			25
Case Study result	Final exam/ presentation			√	√	35

References

1. Appanah, S. & Turnbull, JM. 1999. A Review of Dipterocarps: Taxonomy, Ecology and Silviculture. CIFOR and FRIM. 220p.
2. Heywood, V.H. (Consultant Editor). 1985. Flowering Palnts of The World. Croom Helm Publishers Ltd. England. 335p.
3. Rijksherbarium-Hortus Botanicus. (1997). Flora Malesiana. Series I -Seed Plants. Volume 13. Publications Department. Leiden, The Nederlands.
4. Stebbins, G.L. 1974. Flowering Plants: Evolution above the Species Level. The Belknap Press of Harvard Unibversity Press. Cambridge. 278 p
5. Whitmore, T.C. 1998. An Introduction to Tropical Rain Forest. Oxford Univeristy Press. 282p.