

MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN FACULTY OF MATHEMATICS AND NATURAL SCIENCES BACHELOR OF BIOLOGY PROGRAMME	COURSE CODE : D10D-3009
Module designation	Plant Taxonomy	
Semester in which the module is taught	3	
Persons responsible for the module	1. Dr. Budi Irawan, M.Si. 2. Joko Kusmoro, MP 3. Dr. Suryana, MP	
Medium of instruction	Indonesian	
Relation to curriculum	Compulsory Course	
Teaching methods	Lectures and discussions	
Workload	Total workload : 8160 minute = 136 hour Lecture and discussion : 3 x 50 minute x 16 week = 2400 minute = 40 hour Exercises : 3 x 60 minute x 16 week = 2880 minute = 48 hour Self-study : 3 x 60 minute x 16 week = 2880 minute = 48 hour	
Credit points	3.00 (5.43 ECTS)	
Required and recommended prerequisites for joining the module	Basic biology	
Module objectives/intended learning outcomes	1. Students are able to identify, describe and classify at least to tribal level plants and fungi 2. Students are able to recognize plants and fungi based on their use	
Contents	The Plant Taxonomy course studies plant diversity based on the Plant and Fungi classification system, taxonomic principles and principles, identifying plants and fungi through characterizing morphology, anatomy and external structure of pollen/spores, compiling plant descriptions, identification using plant identification keys, plant nomenclature, Plant grouping, herbarium creation and management techniques, taxonomic evidence and studying plant relationship analysis	
Examination forms	Quiz, Midterm exam, Assignment, and Final exam	
Study and examination requirements	The minimum attendance in lectures is 80%. Final grades are evaluated based on quiz (20%), midterm exam (30%), assignment (20%), and final exam (30%)	
Reading lists	<ol style="list-style-type: none"> 1. Rideng IM. 1989. Taksonomi Tumbuhan Biji. Jakarta: Dirjen DIKTI Proyek Pengembangan LPTK 2. Jones, S.B. and Luchsinger, A.E. 1987. Plant Systematic, Second Edition. McGraw-Hill. Singapore. 3. Simpson MG. 2006. Plants Systematics. Elsevier, Canada. 4. Tjitrosoepomo, G.1993. Taksonomi Umum, Dasar-dasar Taksonomi Tumbuhan. Yogyakarta: UGM Press. 5. Lieske, E. dan R. Myers. 2001. Reef Fishes of The World. Revised Edition. Periplus. Singapore. 6. Rohlf, F.J. 1998. NTSYSpc Version 2.0. Exeter Software. Setauket, New York. 7. Rugayah, Retnowati, A., Windardi, F.I., dan Hidayat, A. 2004. Pengumpulan Data Taksonomi dalam Rugayah (ed.). Pedoman Pengumpulan Data Keanekaragaman Flora. LIPI. Bogor. P : 5-42. 8. Stace, C.A. 1980. Plant Taxonomy and Biosystematics. Edward Arnold. London. 9. Steenis, van C.G.G.J. 2001. Flora : untuk sekolah di Indonesia. Noordhoff - Kolff.N.V - Batavi. 10. Vogel, E.F.D. 1987. Manual of Herbarium Taxonomy Theory and Practice. Rijksherbarium Leiden. Netherlands. 11. Backer CA and RC Bakhuizen v/d. B. 1968. Flora of Java vol. I,II, III. (Spermatophytes Only). Wolter-Noordhoff, Groningen. The Netherlands. 12. Harris, J.G. dan Harris, M.W. 1994. Plant Identification Terminology : An Illustrated Glossary. Spring Lake Publishing. United State of America. 13. Singh G. 1999. Plant Systematic. USA: Science Publisher Inc. 14. Bridson D and Forman L. 1999. The Handbook of Herbarium. Royal Botanic Garden, Kew, United Kingdom. 	

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| | <ol style="list-style-type: none">14. Djarwaningsih T, Sunarti S dan Kramadibrata K. 2002. Panduan Pengolahan dan Pengelolaan Herbarium serta Pengendalian Hama terpadu di herbarium Bogoriense. Herbarium Bogoriense –LIPI, Bogor.15. Stearn WT. 1998. Botanical Latin. Timber Press, Inc. Portland Oregon16. Baumgardt JP. 1994. How to Identify Flowering Plant Family. Timber Press, Inc. Portland Oregon17. Clarke I and Lee H. 1994. Name That Flower. Meulbourne University Press.18. Balgooy MMJ. 1998. Malaysian Seed Plants. Rijskherbarium, Leiden, Netherland |
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