


MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN FACULTY OF MATHEMATICS AND NATURAL SCIENCES BACHELOR OF BIOLOGY PROGRAMME	COURSE CODE : D10D-3012
Module designation	Animal Taxonomy Practicum	
Semester in which the module is taught	3	
Persons responsible for the module	1. Drs. Hikmat Kasmara, M.S. 2. Prof. Dr. Wawan Hermawan 3. Drs. Tatang Suharman Erawan, M.I.L. 4. Dr. Melanie, M.Si 5. Dr. Eneng Nunuz Rohmatullayaly, M.Si.	
Medium of instruction	Indonesian	
Relation to curriculum	Compulsory Course	
Teaching methods	Practice, Student-Centered Learning, Project-based Learning, Collaborative Learning	
Workload	Total workload : 2720 minute = 45.33 hour Practice : 1 x 170 minute x 16 week = 2720 minute = 45.33 hour Exercises : - Self-study : -	
Credit points	1.00 (1.81 ECTS)	
Required and recommended prerequisites for joining the module	Basic biology	
Module objectives/intended learning outcomes	1. Students are able to understand collection observation and preservation techniques in both invertebrate and vertebrate animals. 2. Students are able to explain and distinguish the basic characteristics of each class of both invertebrate and vertebrate animals. 3. Students are able to describe the characteristics of each class of both invertebrate and vertebrate animals. 4. Students are able to describe the habitat and geographical distribution of zoogeography as well as conservation status. 5. Students correlate the roles of these animals, both invertebrates and vertebrates, in nature and for humans.	
Contents	The Animal Taxonomy Practicum course teaches students the procedures for identifying animals so that they can be identified, described, and classified based on their morphological and morphometric characteristics. In addition, students are introduced to type specimens as references for naming and the International Code of Zoological Nomenclature. This course serves as a foundation for other courses such as ecology, biosystematics, and evolution, and is a prerequisite for courses in vertebrate and invertebrate taxonomy for the bioscience major.	
Examination forms	Quiz, Midterm exam, Activities, Worksheet Reports, and Final exam	
Study and examination requirements	The minimum attendance in lectures is 100%. Final grades are evaluated based on quiz (5%), midterm exam (30%), activities (10%), worksheet reports (25%), and final exam (30%)	

<p>Reading lists</p>	<ol style="list-style-type: none"> 1. Agoes, R., Hanna, O., & Djaenudin, N.(1999). Penuntun Praktikum Parasitologi II (Entomologi Medik). Bagian Parasitologi Fakultas Kedokteran Unpad, Bandung. 2. Borror, D. J., Triphelorn, C. A., & Jhonson, N.F. (1992). Pengenalan Pelajaran Serangga, Edisi keenam. Gama Press, Yogyakarta. 3. Brown, H. W. (1979). Dasar – Dasar Parasitologi Klinis. Penerbit Gramedia, Jakarta. 4. Brusca, R. C., & Brusca, G. J. (2003). Invertebrates (No. QL 362. B78 2003). Basingstoke. 5. Caroline, et al. 1994. Coral Reef Monitoring Manual for the Caribbean and Wester Atlantic. National Park Service, VirginIslands National Park. 6. Das, I. 2010. A Field Guide to The Reptiles of South -East Asia. United Kingdom: New Holland Publishers. 7. Dharma, B. (1988). Siput dan Kerang Indonesia. PT. Sarana Graha, Jakarta. 8. Encylopedia Britannica. 2019. Mammal. Encylopedia Britannica Inc. [https://www.britannica.com/animal/mammal]. 9. Fauchald, K. (1977). The Polychaeta Worms. Definition and Keys to The Orders, Families and Genera. Natural History Museum, Los Angeles 10. Haries, R. 2008. Keragaman dan Distribusi Habitat Spesies Cicak Anggota Famili Gekkonidae Di Taman Nasional Gunung Halimun Salak, Skripsi. Bogor: Institut Pertanian Bogor. 11. Iskandar, D.T. 1998. Panduan Lapanga Amfibi Jawa dan Bali. Bogor: Puslitbang Biologi-LIPI 12. Kottelat, M. 1993. Freshwater Fishes of Western Indonesia and Sulawesi. Jakarta: Periplus Editions Ltd. 13. Kusri, MD. 2013. Panduan Bergambar Identifikasi Amfibi Jawa Barat. Bogor: Fakultas Kehutanan IPB. 14. McKinnon, J., dkk. 2010. Burung-burung di Sumatera, Jawa, Bali dan Kalimantan. Bogor: LIPI-Burung Indonesia. 15. Moosa, M. K., & Juwana, S. (1996). Kepiting Suku Portunidae dari Perairan Indonesia.P30 LIPI, Jakarta 16. Noble, E. R. & Noble, G.A. (1989). Parasitologi : Biologi Parasit Hewan, Gama Press, Yogyakarta. 17. Ormond, R. 2017. Coral Reef Monitoring Methods (Lecturer). Heriot -Watt University, Marine Conservation International, International Society for Reef Studies. 18. Pechenik, J., A. (1991). Biology of The Invertebrates, 2nd Ed. WCB 19. Ratna, E. (1986). Penuntun Praktikum Koleksi Serangga. Fakultas Pertanian IPB, Bogor. 20. Rianti, P., dan Perwitasari, R.R.D. 2017. Vertebrata Penuntun Praktikum. Bogor: Departemen Biologi, Institut Pertanian Bogor. 21. Roberts,D.S.,Soemodihardjo and W.Kastoro. (1982). Shallow Water Marine Mollusca of North-West Java. Lembaga Oseonologi Nasional, LIPI, Jakarta. 22. Rosadi, B., dan Pratomo, H. 2010. Praktikum Taksonomi Vertebrata. Jakarta: Universitas Terbuka. 23. Saanin H. 1995. Taksonomi dan Kunci Identifikasi Ikan 1. Bogor: Binacipta. 24. Saanin, H. 1984. Taksonomi dan Kunci Identifikasi Ikan 2. Bogor: Binacipta. 25. Saepudin A. 2004. Beberapa Spesies Cicak dan Tokok (Famili Gekkonidae) di Wilayah Bogor, Skripsi. Bogor: Institut Pertanian Bogor. 26. Tim Penyusun. 2019. Panduan Identifikasi Jenis Satwa Liar Dilindungi: Mamalia. Jakarta: Kementerian Lingkungan Hidup dan Kehutanan, Lembaga Ilmu Pengetahuan Indonesia. 27. Wirawati, I., Setyastuti, A., & Purwati, P. (2019). Timun Laut dari Perairan Dangkal Indonesia. PT. Media Sains Indonesia, Jakarta. 28. Zamroni, dkk. 2018. Penuntun Praktikum Biosistemika Hewan. Mataram: Laboratorium Ekologi dan Biosistemika Hewan, Program Studi Biologi, Universitas Mataram. 29. Zamroni, Y., dan Hadi, I. 2007. Penuntun Praktikum Taksonomi Hewan 1. Mataram: Program Studi Biologi, Universitas Mataram. 30. Zandi P. 2015. Taxidemy as an Important Tool in Bird Education, Awareness and conservation. [https://www.researchgate.net/publication/275517509] 31. Pratt, T. K., Beehler, B. M., & Zimmerman, D. A. (2015). Birds of New Guinea: Second Edition (Princeton Field Guides). Princeton University Press.
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