MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN **FACULTY OF MATHEMATICS AND NATURAL SCIENCES** **BACHELOR OF BIOLOGY PROGRAMME**	**COURSE CODE:** **D10D-60101**
Module designation	Protists and Invertebrates	
Semester in which the module is taught	5	
Person(s) responsible for the module	1. Prof. Dr. Wawan Hermawan, MS 2. Dr. Melanie, S.Si., M.Si 3. Dr. Nurullia Fitriani S.Si.,M.Si	
Medium of instruction	Indonesian	
Relation to curriculum	Elective course	
Teaching methods	Lectures, discussions, cooperative learning, Project-based Learning and inquiry learning	
Workload	Total workload : 5440 minutes = 90.67 hours Lectures, discussions, cooperative learning, and inquiry learning : 2 x 50 minutes x 16 weeks = 1600 minutes = 26.67 hours Exercises : 2 x 60 minutes x 16 weeks = 1920 minutes = 32 hours Self-study : 2 x 60 minutes x 16 weeks = 1920 minutes = 32 hours	
Credit points	2,00 (3,62 ECTS)	
Required and recommended prerequisites for joining the module	Animal Taxonomy	
Module objectives/intended learning outcomes	1. Introduction and scope of Protista and Invertebrates 2. Phylogeny and distribution of Protista and invertebrates 3. Biological aspects of protista and invertebrates 4. Digitization of protist and invertebrate diversity data 5. Ecological role of protists and invertebrates 6. Bioprospecting role of protists and invertebrates 7. Health and environmental issues caused by protists and invertebrates and examining mitigation strategies	
Contents	This course discusses diversity, biological aspects, ecological roles and the use of protists and invertebrates. Through this course, students are also encouraged to think critically through exploring studies and research on protists and invertebrates as well as assessing the negative impacts and important prospects of protists and invertebrates for humans and the environment.	
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 (10%), midterm exam (15%), assignment (10%), final exam (15%), project and participation (50%)	
Reading lists	1. Brusca, R. C., & Brusca, G. J. (2003). Invertebrates (No. QL 362. B78 2003). Basingstoke. 2. Moore, J (2012). An Introduction to the Invertebrates 2nd Edition, New Hall, Cambridge 3. Sleigh, M.A (1992). Protozoa and Other Protists. Cambridge University Press. 4. Archibald, John M ; Simpson, Alastair G. B ; Slamovits, Claudio H (2017). Handbook of the Protists, Springer 5. Brusca, R. C., Moore, W., & Shuster, S. M. (2023). *Invertebrates* (4th ed.). Sinauer Associates.	