MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN **FACULTY OF MATHEMATICS AND NATURAL SCIENCES** **BACHELOR OF BIOLOGY PROGRAMME**	**COURSE CODE:** **D10D-60208**
Module designation	Urban Ecology	
Semester in which the module is taught	5	
Person(s) responsible for the module	1. Nurullia Fitriani, MT 2. Dr. Keukeu Kaniawati Rosada	
Medium of instruction	Indonesian	
Relation to curriculum	Elective course	
Teaching methods	Lectures, discussions, cooperative learning, and problem based learning	
Workload	Total workload : 5440 minutes = 90.67 hours Lectures, discussions, cooperative learning, and problem based 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	General Ecology	
Module objectives/intended learning outcomes	1. Students are able to explain the meaning and history of urban areas 2. Students are able to explain urban landscapes and ecosystems 3. Students are able to describe biodiversity in urban areas 4. Students are able to relate humans and urban ecosystems 5. Students are able to analyze pollution and pollutant management in urban areas 6. Students are able to affirm the concept of sustainable cities 7. Students are able to evaluate cases of urban ecosystem management	
Contents	1. History of Urban Ecology 2. Urban landscapes and ecosystems 3. Biodiversity in urban areas 4. Humans and urban ecosystems 5. Pollution and pollution management in urban areas 6. The concept of sustainable cities 7. Case studies of urban ecosystem management	
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. James, J. and Douglas, I. 2014. Urban Ecology: An Introduction. London: Taylor & Francis, Co 2. Forman, R.T.T. 2014. Urban Ecology: Science of Cities. Cambrige: Cambrige University Press 3. Jarvis, P. J. (2022). *Urban ecology: Its nature and challenges*. CABI Publishing. Wallingford, Oxfordshire, UK.	