Module designation	Biodiversity and Ecosystem
Code, if applicable	CIL 23826
Semester(s) in which the module is taught	2nd
Person responsible for the module	Prof. Dr. Tri Retnaningsih Soeprobowati, M.App.Sc.
Language	*Indonesian and English*
Relation to curriculum	*Elective*
Teaching methods	*Lecture, Discussion (Q & A), Presentation.*
Workload (incl. contact hours, self-study hours)	*(Estimated) Total workload:* • *50 minutes of face-to-face lectures in class* • *1 hour of structured assignments (doing homework or assignments given by lecturers) or independent work (reading books, papers, etc.)*
Credit points	*2 credits*
Requirements according to the examination regulations	*Minimum attendance of lectures 75%*
Required and recommended prerequisites for joining the module	*Existing competencies in ecology*
Module objectives/intended learning outcomes	– *Able to examine the potential of biological resources in terrestrial (land) and coastal marine areas.* – *Able to examine the relationship between humans, the natural environment, and the social environment as an ecosystem in utilizing natural resources in their environment.* – *Able to analyze the causes of changes in biodiversity.* – *Able to analyze biodiversity management strategies.*
Content	*Ecology and biodiversity of marine biological resources, damage to ecosystems of marine biological resources, ecology and diversity of terrestrial biological resources, POAC, class discussion (approach to environmental management from biogeophysical, social, economic, cultural aspects).*
Exams and assessment formats	*One oral Midterm assessment (15 minutes each), one final oral exam (20 minutes), take-home written assignments.*
Study and examination requirements	*Requirements for successfully passing the module* *e.g. the final grade in the module is composed of 60% performance on exams, 20% take-home assignments, 20% in-class participation. Students must have a final grade of 60% or higher to pass.*

Reading list	Schulze, E.D. and Mooney, H.A. eds., 2012. *Biodiversity and ecosystem function*. Springer Science & Business Media. Loreau, M. and De Mazancourt, C., 2013. Biodiversity and ecosystem stability: a synthesis of underlying mechanisms. *Ecology letters*, *16*, pp.106-115. Tilman, D., Isbell, F. and Cowles, J.M., 2014. Biodiversity and ecosystem functioning. *Annual review of ecology, evolution, and systematics*, *45*, pp.471-493. Sudharto, P.H., 2013. Manusia dan lingkungan. *Balai Pustaka: Undip*.