

Module designation	Laboratory Work in Plant Phytoplankton
Semester(s) in which the module is taught	Odd
Person responsible for the module	Kuntum Febriyantiningrum S.Si., M.Sc., Rahmania Pamungkas M.Pd.
Language	Bahasa Indonesia
Relation to curriculum	Elective
Teaching methods	Lab works, project, seminar, exam
Workload (incl. contact hours, self-study hours)	Total workload is 46 hours per semester which consists of 170 minutes of lab work per week for 16 weeks.
Credit points	1 SKS (1.6 ECTS)
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	PLO 1 PLO 4 PLO 6 PLO 7 PLO 9
Content	This course studies phytoplankton in practice, which includes 1). Identifying the phytoplankton, 2). Recognizing the types of phytoplankton in two ecosystems, 3). Classifying phytoplankton, 4). Characterizing various phytoplankton in two ecosystems by calculating the index variation, 5). Explaining the level of eutrophication by calculating the index of dominance and various indices, 6). Categorizing various phytoplankton, 7). Explaining the role of phytoplankton in the ecosystem, and 8). Developing one type of phytoplankton to be cultivated as a natural feed.
Examination forms	Presence, task, mid semester exam, final semester exam, case study, team based project.

Study and examination requirements	The final mark will be weight as follow: <table><tr><th>NO</th><th>Assessment Techniques</th><th>Percentage Weight Assessment (%)</th><th>Information</th></tr><tr><td rowspan="5">1</td><td>Cognitive</td><td>50</td><td>Maximum assessment weight accumulation 50%</td></tr><tr><td>Presence</td><td>5</td><td></td></tr><tr><td>Task</td><td>10</td><td></td></tr><tr><td>Mid Semester Exam</td><td>15</td><td></td></tr><tr><td>Final Semester Exam</td><td>20</td><td></td></tr><tr><td rowspan="3">2</td><td>Participatory</td><td>50</td><td>Maximum assessment weight accumulation 50%</td></tr><tr><td>Case Study</td><td>25</td><td></td></tr><tr><td>Team Based Project</td><td>25</td><td></td></tr><tr><td></td><td>Total</td><td>100</td><td></td></tr></table>	NO	Assessment Techniques	Percentage Weight Assessment (%)	Information	1	Cognitive	50	Maximum assessment weight accumulation 50%	Presence	5		Task	10		Mid Semester Exam	15		Final Semester Exam	20		2	Participatory	50	Maximum assessment weight accumulation 50%	Case Study	25		Team Based Project	25			Total	100	
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Reading list	A. Barus. T. A. (2004). Pengantar Limnology Study Tentang Ekosistem Air Daratan. Medan: USU Press. B. Krismono dan Yayuk Sugianti. (2007). Distribusi Plankton di Waduk Kedungombo. Jurnal Perikanan, Hal 108. Diakses dari https://jurnal.ugm.ac.id/jfs/article/view/69 C. Sudarsono, S. (2022). STRUKTUR KOMUNITAS DAN POLA SEBARAN PLANKTON PADA MUSIM PENGHUJAN DI EMBUNG MERDEKA BAMBANGLIPURO BANTUL. Kingdom (The Journal of Biological Studies), 8(2), 147-159. D. Rahmawati, N., & Sudarsono, S. (2018). STRUKTUR KOMUNITAS FITOPLANKTON DI LAGUNA PENGKLIK, KABUPATEN BANTUL, DAERAH ISTIMEWA YOGYAKARTA. Jurnal Edukasi Biologi, 7(6), 403-406. E. Mahardika, N., & Sudarsono, S. (2018). KELIMPAHAN DAN KEANEKARAGAMAN ZOOPLANKTON DI LAGUNA PANTAI DEPOK, KABUPATEN BANTUL, YOGYAKARTA. Kingdom (The Journal of Biological Studies), 7(1), 78-81.																																		