	UNIVERSITAS PADJADJARAN **FACULTY OF MATHEMATICS AND NATURAL SCIENCES** **MASTER OF SCIENCE IN BIOLOGY**	**COURSE CODE: D20D1109**
Module designation	**Scientific Communication**	
Semester(s) in which themodule is taught	1	
Person(s) responsible for the module	Dr.rer.nat. Tri Dewi K. Pribadi Asri Peni Wulandari, Ph.D.	
Medium of instruction	Indonesian	
Relation to curriculum	Elective course Master of Science in Biology	
Teaching methods	Lecture, Discussion, Cooperative Learning and Inquiry learning	
Workload	Total workload: 8160 minutes (136 hours) **CLASS** Lecture Discussion, Cooperative Learning and Inquiry Learning : 3 x 50'x 16 weeks = 2400 minutes (40 hours) Exercise : 3 x 60'x 16 weeks = 2880 minutes (48 hours) Private study : 3 x 60'x 16 weeks = 2880 minutes (48 hours)	
Credit points	3.00 SKS (5.43 ECTS)	

Required and recommended prerequisites for joining the module	-

Module objectives/intendedlearning outcomes (CPMK)	1. After completing this course, the students are able to compile scientific articles through understanding the basic principles of scientific publication, choosing target journals, determining interest point, and state of the art, processing and presenting research data in various form of illustrations, and compiling reference lists according to the journals. 2. After completing this course, the students are able to make online submissions to accredited national scale scientific journals and or internationally reputable after observing the process of sending manuscript to peer review. 3. After completing this course, the students are able to disseminate their research results in the form of posters or oral presentations on a national and or international level.
Contents	The course provides knowledge and skill to the students to be able to communicate the results of their research in writing and oral presentation in the dissemination and publication of articles at the national and or international levels, through the topics of basic principles of scientific publications, selection of target journals, interesting points and state of the art, data processing and performing, discussion and references, submission and peer reviews, oral presentations, plagiarisms.

Examination forms	Written examination and oral presentation
Study and examination requirements	Minimum attendance at lectures is 80%. Final score is evaluated based on assignment and group case study reports (20%), Assignment (20%), mid semester exam (30%), and end semester exam (30%).
Reading lists	1. Mercer-Mapstone, L. and L.J. Kuchel. 2015. Core skills for effective science communication: a teaching resource for undergraduate science education. International Journal of Science Education Part B, 7(2):1-21. 2. Spektor-Levy, O., B.S. Eylon, and Z. Scherz. 2009. Teaching scientific communication skills in science studies: does it make a different? International Journal of Science and Mathematics Education, 7(5): 875-903.

	3. Taufiq, M., and F. Rokhman. 2020. Scientific communication skills profile of prospective science teachers based on sociocultural aspects. Indonesian Journal of Science Education, 9(2):187-193.
