

	<p style="text-align: center;"><b>UNIVERSITAS PADJADJARAN</b>  <b>FACULTY OF MATHEMATICS AND</b>  <b>NATURAL SCIENCES</b></p> <p style="text-align: center;"><b>MASTER OF SCIENCE IN BIOLOGY</b></p>	<p><b>COURSE</b>  <b>CODE:</b>  <b>D20D1102</b></p>
Module designation	<b>Biology of Qualitative and Quantitative</b>	
Semester(s) in which the module is taught	1	
Person(s) responsible for the module	Prof. Dr. Johan Iskandar Dr. Teguh Husodo, M.Si Dr. Yasmi P. Kuntana	
Medium of instruction	Indonesian	
Relation to curriculum	Compulsory Master of Science in Biology	
Teaching methods	Lecture, discussion, cooperative learning and inquiry learning	
Workload	Total workload: 8160 minutes (136 hours)  <b>CLASS</b>  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	-	

<p>Module objectives/intended learning outcomes</p>	<ol style="list-style-type: none"> <li>1. Able to develop logical, critical, systematic and creative thinking in the field of science and technology in accordance with their areas of expertise through scientific research, and compile the results of their studies based on scientific principles, procedures and ethics in the form of theses and publication.</li> <li>2. After completing this course, the student be able in communicating ideas, thoughts and scientific arguments responsibly and based on academic ethics, through oral and written media to the academic community and the wider community.</li> <li>3. Able to deepen or expand biology science by producing accurate, tested, and innovative multidisciplinary models/methods/theory developments, as applications and/or solutions for the management of biological resources and the environment.</li> </ol>
<p>Contents</p>	<p>This course will discuss the understanding of quantitative and qualitative methods in biological studies, types of research in the field of biology, selecting research designs, quantitative methods, qualitative methods, and mixed quantitative and qualitative methods, and discussing various cases in the use of methods quantitative, qualitative methods, and mixed quantitative methods in biological studies.</p>
<p>Examination forms</p>	<p>Essay and written examination</p>
<p>Study and examination requirements</p>	<p>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%).</p>
<p>Reading lists</p>	<ol style="list-style-type: none"> <li>1. Oflazoglu, S. (Ed.). (2017). Qualitative versus quantitative research. BoD–Books on Demand.</li> <li>2. Mishra, S. B., &amp; Alok, S. (2022). Handbook of research methodology.</li> <li>3. King, G., Keohane, R. O., &amp; Verba, S. (2021). Designing social inquiry: Scientific inference in qualitative research. Princeton university press.</li> </ol> <p>Iskandar, J. (2017). Etnobiologi dan keragaman budaya di indonesia. Umbara, 1(1).</p>