

	<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>D20D2104</b></p>
Module designation	Biore restoration	
Semester(s) in which the module is taught	2	
Person(s) responsible for the module	Prof. Dr. Nia Rossiana Dr.rer.nat. Tri Dewi K. Pribadi	
Medium of instruction	Indonesian	
Relation to curriculum	Elective course  Master of Science in Biology	
Teaching methods	Lecture, discussion, problem based learning, cooperative learning	
Workload	<p>Total workload: 8160 minutes (90,67 hours)</p> <p><b>CLASS</b></p> <p>Lecture, discussion, problem based learning, cooperative learning : 2 x 50'x 16 weeks = 1600 minutes (26.67 hours)</p> <p>Exercise : 2 x 60'x 16 weeks = 1920 minutes (32 hours)</p> <p>Private study : 2 x 60'x 16 weeks = 1920 minutes (32 hours)</p>	
Credit points	2.00 SKS (3.62 ECTS)	

Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes (CPMK)	<ol style="list-style-type: none"> <li>1. After completing this course, the student will be able to understand the root causes of various damages to the terrestrial and aquatic environment.</li> <li>2. After completing this course, the student will be able to determine the right method in carrying out a multidisciplinary approach to answer problems through research in the field of biore restoration.</li> </ol>
Contents	<p>The course provides knowledge and skill to the students to be able to understand the concept and framework of biore restoration, be able to analyze and evaluate environmental damage, and recommend solutions and or approaches to addressing environmental damage problems. Students will be introduced to environmental damage, ecosystem services, global warming and climate change, SDGs and their relation to biore restoration, and application of biore restoration in terrestrial and aquatic.</p>
Examination forms	Written examination and oral presentation
Study and examination requirements	<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>
Reading lists	<ol style="list-style-type: none"> <li>1. Clewell, A.F., and Aronson, J. 2007. Ecological Restoration: Principles, Values, and Structure of an Emerging Profession. Island Press, Washington DC. 303 pages.</li> <li>2. Hardman, D. J., S. McEldowney, and S. Waite. 1993. Pollution: Ecology and Biotreatment. Longman Scientific and Technical, 322 pages.</li> <li>3. Roman, C.T., and Burdick, D.M. 2012. Tidal Marsh Restoration. A Synthesis of Science and Management. Island Press, Washington DC. 406 pages.</li> </ol>