



**THE MODULE HANDBOOK**  
**FACULTY OF BIOLOGY**  
**MASTER PROGRAMME**

**CONSERVATION BIOLOGY**

<b>Module code</b>	BIO-60306
<b>Module level</b>	1 <sup>st</sup> year of Master Program in Biology
<b>Abbreviation, if applicable</b>	-
<b>Courses related</b>	-
<b>Semester</b>	Odd
<b>Course coordinator(s)</b>	Prof. Dr. Tjut Sugandawaty Djohan, M.Sc.
<b>Lecture(s)</b>	1. Prof. Dr. Tjut Sugandawaty Djohan, M.Sc. 2. Prof. Dr. Suwarno Hadisusanto, S.U.
<b>Language</b>	Bahasa Indonesia and English
<b>Classification within the Curriculum</b>	Compulsory Courses for Specific Field of Interest
<b>Teaching format/class hours per week during the semester</b>	This course is organized into one class and planned to have 14 teaching weeks and 2 weeks of examination. This course also has laboratory works credits.
<b>Workload</b>	Estimated working hour: 10,5 hours/week.
<b>Credit</b>	2-1 credits
<b>Requirements</b>	-
<b>Course Learning Outcome</b>	<ol style="list-style-type: none"><li>1. Having knowledge and understanding on conservation biology and biodiversity, its threat, and the ecosystem management and landscape ecology</li><li>2. Analyze conservation problems, ecosystem degradation, and acknowledge the design of reserved and protected areas</li></ol>
<b>Syllabus</b>	The course will discuss response of conservation biology to the biodiversity crisis and the impact human activities on population, community, ecosystem, and landscape ecology. Analysis of problems based on practical approach such as to avoid the extinction of species, and to rehabilitate the degradation of tropical land, forest, swamp, and coastal ecosystems, and also umbrella species in ecosystem. The possibility to return the threatened species to their functional ecosystem. The discussion includes conservation biology, and biodiversity, resources belong together, and tragedy of the common. The biodiversity threats. The change on conceptual approach to the conservation biology issues after the 1992 Earth Summit meeting at Rio Dejanero, Brazil. The discussions include concept on conservation at population and community levels, planning on protected areas, ecological restoration,



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	ecosystem management, conservation and sustainable development and role of practical ecologist
<b>Study/exam achievements</b>	<ol style="list-style-type: none"><li>a. Midterm: 25%</li><li>b. Final examination: 50%</li><li>c. Practical Studies: 25%</li><li>d. Homework: 25%</li></ol>
<b>Forms of media</b>	White board, notebook, LCD
<b>Reference</b>	<ol style="list-style-type: none"><li>1. Indrawan , M. R. B. Primack, and J. Supriatna. 2007. Biologi Konservasi. Edisi Revisi. Yayasan Obor. Indonesia.</li><li>2. Krebs, C. J. 2009. Ecology; The Experimental analysis of distribution and abundance. Sixth edit. Benjamin Cummings-Person International Edit. New York.</li><li>3. Articles from International journal circulation on Conservation Biology and ecological applications.</li></ol>