

### 3. Environmental Management

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| <b>Module designation</b>                        | Environmental Management  |
| <b>Module level, if applicable</b>               | -   |
| <b>Code, if applicable</b>                       | C IL 2 3 823  |
| <b>Subtitle, if applicable</b>                   | -   |
| <b>Courses, if applicable</b>                    | -   |
| <b>Semester(s) in which the module is taught</b> | 2 <sup>nd</sup> Semester  |
| <b>Person responsible for the module</b>         | Prof. Drs. Sudharto Prawata Hadi, MES, Ph.D.  |
| <b>Lecturer</b>                                  | 1. Prof. Drs. Sudharto Prawata Hadi, MES, Ph.D.<br>2. Prof. Dr. Ir. Azis Nur bambang M.S.   |
| <b>Language</b>                                  | <i>Indonesian and English</i>   |
| <b>Relation to curriculum</b>                    | Students are able to explain the general picture, different viewson environmental problems, case examples and global environmental issues isu   |
| <b>Type of teaching, contact hours</b>           | <ul style="list-style-type: none"> <li>• Regular meeting with Lecturer 16 times (40 hours with total contact hour per teaching is 2.5 hours weekly for 16 weeks). This activity consists of Lecture: 80 minutes; Q&amp;A: 20 minutes; Discussion: 30 minutes; Presentation: 20 minutes.</li> <li>• Independent work on reading materials and literature review (48 hours, 3 hours weekly for 16 weeks).</li> <li>• Preparing paper and final personal assignment (40 hours, 2.5 hours weekly for 16 weeks).</li> <li>• Personal work on reflecting the course's gained knowledge to the student's research topic (22 hours, 1.35 hour weekly for 16 weeks).</li> </ul> <p>Total contact hours in 1 semester = 150 hours</p> |
| <b>Student Workload for One ECTS</b>             | <ul style="list-style-type: none"> <li>• Face-to-face Lecturers in class (6.67 hours)</li> <li>• Independent work (reading books, materials, papers, literature review, etc. : 8 hours)</li> <li>• Preparing paper and structured assignments (doing homework or assignments given by lecturers : 6.67 hours)</li> <li>• Personal work on reflecting the course's gained knowledge to the student's research topic (3.67 hours)</li> <li>• Total workload for one ECTS = 25 hours</li> </ul>  |
| <b>Laboratory Work</b>                           | <i>There is no required laboratory work for this course</i>   |
| <b>Credit points</b>                             | <i>2 SKS which is equivalent to 6 ECTS</i>  |

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| <b>Requirements according to the examination regulations</b>       | <i>Minimum attendance of lectures 75%</i>  |
| <b>Recommended prerequisites</b>                                   | -  |
| <b>Module objectives/intended learning outcomes</b>                | <ul style="list-style-type: none"> <li>• Understand the functions: management, planning, organizing, coordinating &amp; directing, implementing and controlling</li> <li>• Understand the techniques: management, time and resource planning, optimization of resource allocation</li> <li>• Understand decision-making techniques in management information systems, especially in the field of environmental science</li> </ul>  |
| <b>Content</b>   | <ul style="list-style-type: none"> <li>• Able to understand and explain environmental problems,</li> <li>• Able to understand surroundings and global issues regarding the environment,</li> <li>• Able to understand the carrying capacity of nature in relation to the environment,</li> <li>• Able to understand the problem of environmental pollution impacts along with solutions to reduce impacts with applicable quality standards</li> <li>• Able to explain and implement environmentally sound development ) as well as AMDAL and environmental laws and regulations in force in Indonesia.</li> </ul>   |
| <b>Study and examination requirements and forms of examination</b> | <ul style="list-style-type: none"> <li>• <i>Open book and close book</i></li> <li>• <i>Multiple choice, case studies, interviews</i></li> </ul>  |
| <b>Media employed</b>  | Power point, YouTube, website  |
| <b>Reading Materials</b>   | <p>Barrow, C. (2006). Environmental Management for Sustainable Development. Routledge.</p> <p>He, L., Shen, J., &amp; Zhang, Y. (2018). Ecological Vulnerability Assessment for Ecological Conservation and Environmental Management. Journal of Environmental Management, 206, 1115-1125.</p> <p>Muller, S., Hemming, S., &amp; Rigney, D. (2019). Indigenous Sovereignities: Relational Ontologies and Environmental Management. Geographical Research, 57(4), 399-410.</p> <p>Raymond, C. M., Fazey, I., Reed, M. S., Stringer, L. C., Robinson, G. M., &amp; Evely, A. C. (2010). Integrating Local and Scientific Knowledge for Environmental Management.</p> |

