MODUL HANDBOOK
FIELD WORK

MASTER PROGRAM OF ENVIRONMENTAL SCIENCE
SCHOOL OF POSTGRADUATED STUDIES
DIPONEGORO UNIVERSITY

Modul Description :

Module designation	Field Work
Semester(s) in which the module is taught	3rd semester
Person responsible for the module	Dr. Eng. Maryono, ST, MT. Dr. Fuad Muhammad, S.Si, M.Si Dr. Jafron Wasiq Hidayat, M.Sc
Language	Indonesian and English
Relation to curriculum	Compulsory
Teaching methods	Mix Method or Blended Learning by incorporating Lecture based-learning, Student Centred-learning and Technological Learning and Group Learning • Lecture Based Learning: teacher lead a lesson by using presentation, showing visual • Student Centred-learning: teacher promote individual learning so that student can exploring individual idea • Technological Learning, teacher leads to use high technology in information such as by exploring, utilizing internet/searching engine and social media. • Group Learning: segmenting student into group, so that student can exploring group idea
Workload (incl. contact hours, self-study hours)	• Lecture, 1 hours per week • Discussion and presentation (Q&A), 1 hours per week • Individual assignment, 1 hours per week • Total workload for semester = 50 hours
Credit points	1 credits / 2 ECTS
Required and recommended prerequisites for joining the module	Have completed minimum 14 credits/28 ECTS
Module objectives/intended learning outcomes	• Able to formulate environmental management theory • Able to formulate environmental management policies
Content	Field Work courses provide additional insight for students to be able to understand the concept of case studies that occur to environmental policy
Examination forms	• Group assignments
Study and examination requirements	Lecture attendance of at least 75%.

Reading list	1. Elanda Fikri. 2022. Toxic Hazardous Waste Management Monograph. Eureka Media Script. Purbalingga 2. Trihadiningrum Yulinah. 2016. B3 Hazardous and Toxic Waste Management. Technoscience – Graha Science. Yogyakarta 3. Miller, G. T., & Spoolman, S. (2015). Environmental science. Cengage Learning. 4. Setiadi Dede. 2015. Introduction to Environmental Science. IPB Press. Bogor 5. Sembel Dantje. 2015. Environmental Toxicology. ANDI Publisher. Yogyakarta 6. Jørgensen, S. E. (Ed.). (2013). Handbook of Environmental Data and Ecological Parameters: Environmental Sciences and Applications (Vol. 6). Elsevier. 7. Burke, G., Singh, B. R., & Theodore, L. (2005). Handbook of environmental management and technology (No. Ed. 2). John Wiley & Sons, Inc. 8. Allaby, M. (2002). Basics of environmental science. Routledge. 9. Knapp, D., & Barrie, E. (2001). Content evaluation of an environmental science field trip. Journal of science Education and Technology, 10, 351-357.