

PL2206 Environment and Natural Resources

Module designation	Environment and Natural Resources
Semester(s) in which the module is taught	4 th Semester (second year of undergraduate program)
Person responsible for the module	Prof. Ir. Djoko Santoso Abi Suroso, Ph.D. Dr. Ir. Hadi Nurcahyo, MT. Yunie Nurhayati R., S.T, M.T. Dr. Ir. Iwan Kustiwan, M.T.
Language	Indonesian
Relation to curriculum	Compulsory course for the Undergraduate Program in Urban and Regional Planning
Teaching methods	1. Lecture, 2. Group discusison, 3. Case study (excursion)
Workload (incl. contact hours, self-study hours)	(Estimated) Total workload: around 12 hours per week x 16 weeks = 192 hours Contact hours: • Face to face teaching: 4 hours x 14 weeks = 64 hours • Structured activity: 4 hours x 16 weeks = 64 hours • Exam: 4 hours x 2 weeks = 8 hours Private study including examination preparation: • Self-study hours: 4 hours x 16 weeks = 64 hours
Credit points	4 CU/6.67 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Ability to understand environmental aspects and natural resource management. 2. Ability to understand environmental aspects and natural resource management in the context of urban and regional planning.
Content	This course provides knowledge on various environmental perspectives, management and natural resources analytical methods, environmental ethic, natural resources and environmental management policy and its regional and city planning context.
Examination forms	Mid-term Exam (35%), Final Exam (35%), Assignment (30%)
Study and examination requirements	-

Reading list	1. Al Gore. Our Choice: Plan to Solve the Cimate Crisis, 2009. [551.6 WOR o] 2. Bailey, R.G. Ecoregion-Based Design for Sustainability. Springer, 2002.[577 BAI] 3. Djajadiningrat, S.T., et al. Ekonomi Hijau (Green Economy). Rekayasa Sains, 2011. [338.9 DJA] 4. Enger, E.D., B.F., Environmental Science: A Study of Interrelationships., Mc. Graw Hill, Boston, 2004. [304.2 ENG] 5. Esparza, A.X., G.. McPherson (eds), The Planner's Guide to Natural Resources Conservation: The Science of land Development Beyond the Metropolitan Fringe, Springer, 2009.[333.761 709 73 ESP p] 6. Fauzi, A, Ekonomi Sumber Daya Alam dan Lingkungan: Teori dan Aplikasi. Gramedia, Jakarta, 2010. [333.7 FAU e] 7. Iskandar, J. Ekologi Manusia dan Pembangunan Berkelanjutan. Program Studi Magister Ilmu Lingkungan Unpad, 2009 8. Jones, C. et al. Strategic Environmental Assessment and Land Use Planning: An International Evaluation. Erathscan, 2005. [333.714 STR] 9. Kupchella, C.E.& M.C.Hyland. Environmental Science: living within the system of nature. Prentice-Hall International, 1993. [333.7 KUP e] 10. Keraf, S, Etika Lingkungan Hidup, Kompas, 2010. [304.28 KER I] 11. Miller,G.Tyler, JR. Living in the environment, 17 Edition Brooks/Cole Publishing Company, 2012. [304.2 Mil I] 12. Popper, D, Modern Environmentalism: An Introduction, Routledge, 1996. [R 363.7 PEP m] 13. Robert, P., J. Ravetz, C. George. Environment and the city. Routledge, London, 2009. [R 711.4 ROB e] 14. Suparmoko, Panduan dan Analisis Valuasi Ekonomi SDA dan Lingkungan. BPFE UGM, Yogyakarta, 2006. [333.7 SUP p] 15. Wackernagel, M., W.E. Rees, Our Ecological Footprint: Reducing Human Impact on the Earth. New Society Publishers, Gabriola Island, 1999. [R 333.7 WAC o] 16. Wheeler, S.M., Planning for Sustainability: Creating Livable, Equitable, and Ecological Communities. Routledge, London, 2004. [R 711.4 WHE p] 17. Undang-undang No. 32 Tahun 2009 tentang Perlindungan dan Pengelolaan Lingkungan Hidup. Diunduh: http://jdih.menlh.go.id/pdf/ind/IND-PUU-1-2009-UU%20No.%2032%20Th%202009_Combine.pdf 18. Undang-undang No. 26 Tahun 2007 tentang Penataan Ruang. Diunduh: http://www.hukumonline.com/pusatdata/downloadfile/fl52198/parent/26897
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