MODULE HANDBOOK

Principles and Perspective in Physical Geography

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Undergraduate Study Program for Geography
Faculty of Mathematics and Natural Sciences
Universitas Indonesia

Module designation	Principles and Perspective in Physical Geography
Semester(s) in which the module is taught	First (1st) Semester
Person responsible for the module	Dra. Astrid Damayanti, M.Si.
Lecturer	1. Dra. Astrid Damayanti, M.Si. 2. Dr. rer. nat. Eko Kusratmoko, M.S.
Language	Bahasa Indonesia
Relation to curriculum	Compulsory
Teaching methods	Student-centered Learning and combination with Cooperative Learning
Workload (incl. contact hours, self-study hours)	1. Lectures: 200 minutes per week per semester 2. Assignment: 240 minutes per week per semester 3. Independent study: 240 minutes per week per semester 4. Minutes x weeks x semester: 680 x 14 x 1 = 9520 minutes per semester 5. Midterm Examination: 100 minutes per semester 6. Final Examination: 100 minutes per semester 7. Total workload per semester: 9720 minutes / 162 hours
Credit points	4 (Four)
Required and recommended pre-requisites for joining the module	1. -
Module objectives/intended learning outcomes	After completing this course, if facing the data, maps or simple and well-defined problems, students are able to analyze characteristics of landscape, weather, climate and hydrological phenomena in an area, and begins with Physical geography perspective (formal, functional, and regional approach)
Content	1. Introduction 2. Concept of Geology and Geomorphology 3. Landform and Geomorphological Process 4. Geomorpology and ITS Application 5. Climate System and Hydrogical Process
Examination forms	-
Study and examination requirements	1. Group & Presentation Score (30%) 2. Individual Score (30%) 3. Midterm Examination (20%) 4. Final Examination (20%)

Reading list	Lobeck, A. K., 1939, Geomorphology : An Introduction to The Study of Landscapes, McGraw-Hill Book Co., New York-London. Worcester, Philip G., 1964. A Textbook of Geomorphology, D. Van Nostrnd Co. Inc., Princeton-New Jersey-Toronto-London-New York Thornbury, William D., 1969. Principles of geomorphology, John Wiley-New York. Hugget, Richard J.,2007. Fundamentals of Geomorphology. New York : Taylor and Francis. Part 1-3. Sparks, B.W, 1961. Geomorphology, Longmans, Green and Co. Toronto. Chapter 1,2,5,6,7 dan 10. Hugget, Richard J.,2007. Fundamentals of Geomorphology. New York : Taylor and Francis. Part 1-3. Hess, Darrel & Dennis G. Tassa (2016): Physical Geography: A Landscape Appreciate. Pearson New International. Christopherson, Robert W. (2008) Geosystem, Introduction to Physical Geography. 8rd Edition. Prentice Hall Publication, New York. Holden, Joseph (eds) (2008): Introduction to Physical Geography and Environment. Pearson Education. London. Petersen, J. Et al. (2011) Fundamental of Physical Geography. Brook/Cole Cencage Learning. New York, 499 p. Barry, R.G. & R.J. Chorley 1998) Atmosphere, Weather & Climate, Routledge, London Davie, T. (2008): Fundamental of Hydrology. Routledge. 2nd Edition. André Musy & Christophe Higy (2011) Hydrology, A Science of Nature. Science Publisher. Ludiro, Djamang dkk, 1985, Geomorfologi Terapan, Jurusan Geografi FMIPA Universitas Indonesia, Jakarta. Hefferan, K., John O'Brien. (2010). Earth Material. Oxford : Wiley-Blackwell. Younger, Paul L. (2006) Groundwater in the Environment. Wiley, USA M. Leeder. Physical Process in Earth and Environmental Sciences. 2006. Blackwell. A. Strahler and A. Strahler. Introducing Physical Geography Third Edition. 2003. John Wiley and Son