



MODULE HANDBOOK

Physical Geography Lab 1

Dr. Supriatna, M.T.

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

Physical Geography Lab 1

Module designation	Physical Geography Lab 1
Semester(s) in which the module is taught	First (1st) Semester
Person responsible for the module	Dr. Supriatna, M.T.
Lecturer	<ol style="list-style-type: none"> 1. Dr. Supriatna, M.T. 2. Dra. Astrid Damayanti, M.Si. 3. Dra. Ratna Saraswati, M.Si. 4. Kuswantoro, S.Si., M.Sc.
Language	Bahasa Indonesia
Relation to curriculum	Compulsory
Teaching methods	Student-centered Learning and combination with Cooperative Learning
Workload (incl. contact hours, self-study hours)	<ol style="list-style-type: none"> 1. Lectures: 50 minutes per week per semester 2. Assignment: 60 minutes per week per semester 3. Independent study: 60 minutes per week per semester 4. Minutes x weeks x semester: $170 \times 14 \times 1 = 2380$ minutes per semester 5. Midterm Examination: 100 minutes per semester 6. Final Examination: 100 minutes per semester 7. Total workload per semester: 2580 minutes / 43 hours
Credit points	1 (One)
Required and recommended pre-requisites for joining the module	<ol style="list-style-type: none"> 1. -
Module objectives/intended learning outcomes	Students are able to identify various forms of the earth's surface, draw sketches, profiles (vertical and horizontal cross sections), create slope maps, draw geomorphological units in accordance with the specified classification, and know the methods of creating block diagrams.
Content	<ol style="list-style-type: none"> 1. Introduction to Geology dan Geomorphology measuring equipment. 2. Concept of Geological Maps 3. Read and Present the Geological Maps, and Introduction of Dip and Strike 4. Identification of Rock Minerals: Physical Observation of Rocks 5. Depiction of Relief / Terrain Form 6. Terrain Form Map 7. Watershed and River Flow Pattern Deliniation 8. Geomorphological Map
Examination forms	-
Study and examination requirements	<ol style="list-style-type: none"> 1. 2. Individual Score (100%)

Reading list	<p>Lobeck, A.K. (1930). <i>Geomorphology</i>, Mc.Graw hill Book Co, New York-London</p> <p>Djamang L., Sarwa A., I Made Sandy., (1993). <i>Geomorfologi terapan</i>, Jurusan Geografi FMIPA-UI</p> <p>Huggett, Richard J. (2007) <i>Fundamentals of Geomorphology</i>. Second Ed. Routledge.</p> <p>Van Bemmelen, R.W., (1949). <i>The Geology of Indonesia, Vol 1A</i>. The Hague. Martius Nijhoff.</p> <p>Zuidam, R. A. Van (1985) <i>Aerial Photo Interpretation in Terrain Analysis and Geomorphologic Mapping</i>. ITC. The Netherland.</p> <p>Goudie, A. Ed. (1990): <i>Geomorphological Techniques</i>. Routledge.</p> <p>Darman, H. Dan Sidi F.H (2000). <i>An Outline of the geology of Indonesia</i>. Indonesian Geologist Association special publication.</p> <p>Gregory, K. J. (2010) <i>The Earth's Land Surface</i>. Sage Publication. UK</p> <p>Strahler, A & Strahler, A (2003) <i>Introducing Physical Geography</i>. John Wiley & Sons.</p> <p>R.W. Van Bemmelen. <i>The Geology of Indonesia, Vol 1A</i>. 1949 The Hague. Martius Nijhoff.</p> <p>R.A. van Zuidam. <i>Aerial Photo Interpretation in Terrain Analysis and Geomorphologic Mapping</i>. 1985. ITC.</p> <p>S. Wirjohamidjojo & Y.S. Swarinoto. <i>Praktek Meteorologi Pertanian</i>. 2007. Badan Meteorologi dan Geofisika.</p> <p>World Meteorological Organization. <i>Guide to Climatological Practices No. 100</i>. 2011. World Meteorological Organization (WMO).</p> <p>B. Triatmodjo. <i>Hidrologi Terapan</i>. 2010. Beta Offset.</p> <p>D. Noor. <i>Geomorfologi</i>. 2010. Program Studi Teknik Geologi, Universitas Pakuana</p> <p>T. Dave & N.W. Quinn. <i>Fundamentals of Hydrology</i>. 2019. Routledge</p>
--------------	--