

PL1221 Introduction to Environmental Geology

Module designation	Introduction to Environmental Geology
Semester(s) in which the module is taught	2 nd Semester (first year of undergraduate program)
Person responsible for the module	Prof. Ir. Djoko Santoso Abi Suroso, Ph.D
Language	Indonesian
Relation to curriculum	Compulsory courses for the Undergraduate Program in Urban and Regional Planning
Teaching methods	Lecture
Workload (incl. contact hours, self-study hours)	
Credit points	3 CU/5 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	<ol style="list-style-type: none"> 1. Able to explain the basic understanding of geology 2. Able to explain aspects of geological resources 3. Able to explain aspects of geological disasters 4. Able to explain the role and use of geological resources in the planning process 5. Able to explain the role and use of geological disasters in the planning process
Content	Introduction to Geology for Environmental Planning is concerned with the Impact of humans on environment as well as the influence of the environment on humans. Accordingly environmental geology plays important role in planning. The important of this role will increase as the world population expands since land use planning must become more important especially as far as development of urban areas. Because land surface is the surface expression of subsurface geology then those involved with planning process must appreciate and understand geology.
Examination forms	Assignment (15%), Mid-exam (25%), Final exam (30%), Practices (30%)
Study and examination requirements	
Reading list	<ol style="list-style-type: none"> 1. Howard & Remson, Geology in Environmental Planning, , McGraw and Hill Inc., New York, 1978 2. Montgomery, C., 1990. Environmental Geology 3. Legget, R.F., 1973. Cities and Geology, McGraw and Hill Inc 4. Safuan, A., 1996. Geologi Lingkungan 5. Magetsari, N.A. dan C.I. Abdullah, --. Geologi Fisik, Catatan Kuliah, Penerbit ITB 6. Soeriaatmadja, R.E., 1990. Ilmu Lingkungan, Cetakan ke-7, Penerbit ITB, Bandung 7. Gonick, L. & A. Outwater, 2004. Kartun Lingkungan, KPG, Jakarta