MODULE HANDBOOK

SOIL GEOGRAPHY					
Module/Course Title **8720202051**	**Student Workload** **2 CU X 16 X 170'= 90,6618**	**Credits** **2 CU** **3.18 ECTS**	**Semester** 3TH	**Frequency** ONCE YEAR	**Duration** **1 SEMESTER**

1	**Types of courses** LECTURES PRACTICUM	**Contact hours** (2CU X 1,59 ECTS) X{(50:170')X 28,51 Workhours= 26,64	**Independent Study** (2CU X 1,59 ECTS) X{(60:170')X 28,51 Workhours= 31,96	Structured Study (2CU X 1,59 ECTS) X{(60:170')X 28,51 Workhours= 31,96	**Class size** **MAX 40 STUDENT**
2	**Prerequisites for participation (if applicable)** None				
3	**Program Learning outcomes**				
	PLO-3 Able to process, analyze, present geosphere data and information by using geospatial technology for geography learning and research				
	PLO-6 Able to make appropriate decisions in the context of problem solving in geography and geography education, based on the results of information and data analysis				
	PLO-8 Able to formulate, process, analyze data, and present geosphere information both physical and human aspects by using geospatial technology for geography learning and research				
	PLO-11 Able to analyze regional and regional characteristics (regionalization) in the context of resources and disasters based on the principles and approaches of geography to support sustainable development				
	Course Learning Outcome (CLO)				
	CLO-3 Able to process, analyze, present geosphere data and information by using geospatial technology for geography learning and research of soil geography.				
	CLO-6 Able to solve drought, landslide, erosion problems, based on information and data analysis.				
	CLO-8				

	Able to process, analyze, and present rain data, erosion data, critical land using geospatial technology for research
	CLO-11 Able to analyze soil characteristics, land conservation in an area to support sustainable development.
4	**Learning materials** 1. Land and life 2. Soil-forming composition 3. Physical properties of the soil 4. Soil chemical properties 5. Soil biological properties 6. Land classification 7. Soil types and distribution 8. Land survey 9. Erosion 10. Land mapping 11. Conservation 12. Land evaluation
5	**Teaching methods** *Project Base Learning*
6	**Assessment methods** *paper test*
7	**This module/course is used in the following study programme/s as well** -
8	**Responsibility for module/course** Compulsory/Elective*/
9	1. Jamulya, 1989. Geogarafi Tanah, Konsep dan Terapannya. *Makalah Pidato Pengukuhan Jabatan Lektor Kepala Madya Dalam Geografi Tanah* , Yogyakarta: Fakkultas Geografi UGM 2. Sutanto, Rachman, 2005. *Dasar-Dasar Ilmu Tanah, Konsep dan Kenyataan*. Yogyakarta : Kanisius 3. Natohadiprawiro, Tejoyuwono, 1994. Geografi Tanah. *Diktat Kuliah*, Yogyakarta: Program PascasarjanaUGM. 4. Sartohadi, J., Jamulyo, Dewi, N. I. S., 2012. *Pengantar Geografi Tanah*. Yogyakarta : Pustaka Pelajar 5. Andersen, S.,Schaetzl, R., 2005. *Soil Genesis and Geomorphology*. Cambridge : Cambridge University Press, 6. Suripin, 2004. *Pelestarian Sumberdaya Tanah dan Air*. Yogyakarta : Penerbit Andi