

MODULE HANDBOOK

LAND EVALUATION AND LAND CAPABILITY					
Module/Course Title	Student Workload	Credits	Semester	Frequency	Duration
8720202027	2 CU X 16 X 170'= 90,6618	2 CU 3.18 ECTS	6 TH SEMESTER	ONCE YEAR	1 SEMESTER
1	Types of courses LECTURES	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 35 STUDENT
2	Prerequisites for participation (if applicable) none				
3	Program Learning outcomes				
	PLO 3 Able to process, analyze, present geosphere data and information using geospatial technology for geography learning and research				
	PLO 6 able to make appropriate decisions in the context of solving problems in the field of geography and geography education, based on the results of analysis of information and data.				
	PLO 9 Able to demonstrate independent and collaborative performance that produces quality and measurable results				
	PLO 11 Demonstrate a responsible attitude towards work in their field of expertise independently				
	COURSE LEARNING OUTCOME (CLO) <ol style="list-style-type: none"> 1. Ability to process, analyze, present evaluation data and information and land capability using geospatial technology for geography learning and research 2. The ability to make the right decisions in the context of solving evaluation problems and land capability, based on the results of information and data analysis 				

	<ol style="list-style-type: none"> 3. Ability to demonstrate independent and collaborative performance that produces quality and measurable evaluation results and land capability 4. Demonstrate a responsible attitude towards work in the field of evaluation and land capability independently
4	<p>Subject aims/Content</p> <ol style="list-style-type: none"> 1. scope of evaluation & land use from a geographic perspective 2. Approach methods in land classification in the scope of geographic concepts 3. Landform unit identification technique 4. Field and land unit identification techniques 5. land use classification and land use change 6. land suitability classification for agriculture 7. classification of land suitability for non-agricultural agriculture 8. technical concept of environmental carrying capacity analysis 9. carrying capacity of land and water resources 10. environmental carrying capacity based on area function 11. Environmental carrying capacity analysis techniques based on Area functions 12. Compatibility and environmental quality 13. land use planning in volcanic and geological landforms 14. land use planning on fluvial and marine landforms 15. land use planning in karst landforms
5	<p>Teaching methods</p> <p><i>Project Base Learning, Self Direction Learning, Small Group Discussion</i></p>
6	<p>Assessment methods</p> <p><i>Portofolio, paper test</i></p>
7	<p>This module/course is used in the following study programme/s as well</p> <p>-</p>
8	<p>Responsibility for module/course</p> <p>COMPULSORY/<i>elective*</i>/</p>
9	<p>Other information</p> <ol style="list-style-type: none"> 1. Darmawijaya, Isa, 1990. Klasifikasi Tanah. Yogyakarta : Gadjah Mada University Press 2. Hardjowigeno, S., Widiatmaka, 2007. Evaluasi Kesesuaian Lahan dan Perencanaan Tataguna Lahan. Gadjah Mada University Press, Yogyakarta 3. Muta'ali, Luthfi, 2012. Daya Dukung Lingkungan Untuk Perencanaan Pengembangan Wilayah. Badan Penerbit Fakultas Geografi (BPFGE), Universitas Gadjah Mada, Yogyakarta 4. Rayes, Luthfi, M. 2006. Metode Inventarisasi Sumberdaya Lahan. Yogyakarta : Penerbit Andi 5. Steila, Donald, 1976. The Geography of Soils. Formation, Distribution, and Management. New Jersey : Prentice Hall.Inc