MODULE HANDBOOK

STATISTICS					
Module/Course Title 8720202167	**Student Workload** 3 CUx16x170'= 135,993	**Credits** 3 CU / 4,77 ECTS	**Semester** 4TH	**Frequency** ONCE YEAR	**Duration** **1 SEMESTER**
1	**Types of courses** LECTURES PRACTICUM	**Contact hours** (3CU X 1,59 ECTS) X{(50:170')X 28,51 Workhours= 39,99	**Independent Study** (3CU X 1,59 ECTS) X{(60:170')X 28,51 Workhours= 47,99	**Structured Study** (3CU X 1,59 ECTS) X{(60:170')X 28,51 Workhours= 47,99	**Class size** MAX 120 STUDENT
2	**Prerequisites for participation (if applicable)** -				
3	**Program Learning outcomes**				
	PLO-2 Able to analyze regional characteristics and regionalization (regionalization) in the context of resources and disasters based on the principles and approaches of geography to support sustainable development.				
	PLO-4 Able to apply logical, critical, systematic, and innovative thinking in the fields of geography and geography education				
	PLO-8 Able to formulate, process, analyze data, and present geosphere information both physical and human aspects by using geospatial technology to geography learning and research				
	PLO-12 Able to work together, has social sensitivity, high concern for society and the environment				
	Course Learning Outcome (CLO)				
	CLO-2 Able to analyze regional characteristics and regionalization (regionalization) in the context of statistics analysis and disasters based on the principles and approaches of geography to support sustainable development.				
	CLO-4 Able to apply logical, critical, systematic, and innovative statistics analysis in the fields of geography and geography education				
	CLO-8				

	Able to formulate, process, analyze data, and present geosphere information with statistics analysis both physical and human aspects by using geospatial technology to geography learning and research
	CLO-12 Demonstrate a responsible attitude towards work in the field of in calculations and concepts in the study of statistics analysis independently
4	**Learning materials** 1. The concept of data and statistics 2. Descriptive statistics and inferential statistics 3. Parametric Statistics and Non-Parametric Statistics 4. Multivariate Statistics
5	**Teaching methods** *Self Direction Learning, Project Base Learning*
6	**Assessment methods** *Paper test, Portofolio*
7	**This module/course is used in the following study programme/s as well** -
8	**Responsibility for module/course** COMPULSORY/~~ELECTIVE~~*/
9	1. Anderson, dkk, 2002, Statistics For Business And Economics, Singapura, Thomson Asia Pt Ltd. 2. Bisma Murti, 1997, Prinsip dan Metode Riset Epidemiologi, Yogyakarta, Gadjah mada University Press. 3. Dajan, Anto, 1984, Pengantar Metode Statistik jilid I, Jakarta, PT. Pustaka LP3ES 4. Dajan, Anto, 1996, Pengantar Metode Statistik jilid II, Jakarta, PT. Pustaka LP3ES 5. Daniel, Wayne W, 1995, Biostatistics, New York, John Willey & Sons. 6. Kuntoro,dkk, 2012, Pelatihan Analisis Data Dengan SPSS, Unair, Departemen Kependudukan dan Biostatistika. 7. Rogerson, P. A, 2014, Statistical Methods for Geography, SAGE Publications Ltd. 8. Sudjana , MA, 2005, Metoda Statistika, Tarsito 9. Zain, Ita mardiani. 2018. Statistika. Unesa University Press