Description of Course Unit according to the ECTS User's Guide 2015

Course unit title	**Introduction to Social Statistics**
Course unit code	FS191201
Type of course unit (compulsory, optional)	Compulsory
Level of course unit (according to EQF: first cycle Bachelor, second cycle Master)	First cycle Bachelor
Year of study (if applicable)	1st year
Semester/trimester when the course unit is delivered	2th semester
Number of ECTS credits allocated	4.83 ects

Name of lecturer(s)	1. Dr. Jojok D., S.Sos, MSi
	   Office hours: mon-fri, 09.00-16.00
	2. Ir.H. DidiekTranggono, MSi
	   Office hours: mon-fri, 09.00-16.00

Learning outcomes of the course unit	1. Students can understand, explain, and use statistical methods, techniques, and theories specific to social science. 2. Students can also understand and can apply basic statistical formulas and data in social sciences, so that students will get theoretical provision about statistics.
Mode of delivery (face-to-face, distance learning)	Face to face / Online learning (ilmu.upnjatim.ac.id)
Prerequisites	N/A
Course contents	For 14 weeks, students will learn: 1. Explanation of the definition of the objectives of the Science of Statistics, as the basis for special courses 2. Scientific Method, Statistical data and rounding of numbers

	3. Presentation of data in lists and presentation of data in lists, Examples of presentation in the form of lists of data and images, List of frequency distribution
	4. Measure of tilt and kurtosis, The size of the symptom center and the location or size of the spread, The slope coefficient, Size deviation or variation, Size comparison
	5. Time series analysis, The classical method for describing the four series of time series components, Determine the cycle motion, motion time and calendar variation adjusters, Forecasting based on time series data
	6. Negotiation and conflict resolution, Negotiations and world peace, Forecasting and varieties
	7. Correlation and correlation coefficient, Bank of correlation, The formulation of probabilities, Principles of probability
	8. Mathematical expectations, The principles of set theory, Permutations and combinations
	9. Binominal distribution, Poisson distribution, Normal distribution
	10. Hypothesis testing procedure, Chi-square test, T test the test terms, Describe the T Test
	11. Price index, Quantity index, Testing index numbers, Shifting the basic time and periodic data deflation
Recommended or required reading	Required reading: 1. Wibisono, Yusuf. 2005. *Metode Statistik*. Yogyakarta: Gadjah Mada University Press. 2. Furqon. 2001. *Statistika Terapan untuk Penelitian*. Bandung: Alfabeta. 3. Guilford, JP., & Fruchter, B. 1978. *Fundamental Statistics in Psychology and Education. Sixth Edition*. New York: McGraw-Hill Book Company. 4. Irianto, A. 1988. *Statistik Pendidikan (1)*. Jakarta: Depdikbud. 5. Kane, WJ., Sheldon, & Hanson, E. (Ed.). 1976. *Statistics: A Fresh Approach*. McGraw-Hill, Inc. 6. Kerlinger, FN., Pedhazur, EJ. *Multiple Regression in Behavioral Research*. New York: Holt, Rinehart and Winston, Inc. 7. Minium E. W., King, B. M. and Bear, G. 1993. *Statistical Reasoning in Psychology and Education. 3rd*. New York: John Wiley & Sons. 8. Nasution, A.H.. 1976. *Metode Statistika untuk Penarikan Kesimpulan.* Jakarta:Gramedia. 9. Nurgiyantoro, B., Gunawan dan Marzuki. 2000. *Statistik Terapan untuk Penelitian Ilmu-Ilmu Sosial*. Yogyakarta: Gadjah Mada University Press. 10. Siegel, S,. 1997. *Statistik Nonparametrik untuk Ilmu-Ilmu Sosial.* Jakarta: Gramedia.

	11. Sudjana. 1983. *Teknik Analisis Regresi dan Korelasi*. Bandung: Tarsito. 12. Edward, A.L. 1984. *An Introduction to Linear Regression and Correlation. 2nd. ed*. New York: W.H. Freeman and Company.
Planned learning activities and teaching methods	Lecture and blended-learning consists of discussions, case studies and project-based examination. Mid-term exam : essay questions that must be done within the given time Final exam: essay questions that must be done within the given time.
Language of instruction	Indonesia-English
Work placement(s)	N/A