Module designation	Statistics for Economy and Business (AGB 112)
Semester(s) in which the module is taught	2nd semester
Person responsible for the module	Sofyan
Language	English
Relation to curriculum	Compulsory module
Teaching methods	lecture, lesson, case, discussion
Workload	100 minutes of lecture and discussion per week 120 minutes of structured tasks per week 190 minutes of independent activity per week 100 minutes of laboratory work
Credit points	3 (lesson 2 and lab works 1) = 4.8 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Able to analyze and explain the requirements of valid data and precise measurement instruments, as well as the goodness of a measurement instrument. 2. Able to present and analyze data in tables and graphs, as well as calculate and interpret data values, which include central tendency values and data dispersion. 3. Able to calculate and analyze the probability value of an event. 4. Able to analyze and test hypotheses for population mean values, population proportions, differences in the average of two populations (related and independent), and differences in the proportion of two populations.
Content	The course aims to provide students' competence to use scientific tools in finding, presenting, processing, and analyzing data. The importance of this subject is considering the relation between management and problems in planning and evaluation (monitoring), which cannot be separated from decision-making problems. To make precise decisions, there must be good data. Statistics in this context will teach students to produce good data. The lecture subjects include: data and data presentation; data types and measurements; probability theory; parameter estimation; hypothesis testing; and analysis of variance and covariance.
Exams and assessment formats	Essay, case study, report and oral presentation
Study and examination requirements	5% participative activity 55% study cases analysis 5% course work and quizzes 15% midterm examination 20% final examination
Reading list	1. Leekly, M. Robert. 2010. Applied Statistics for Business and Economics. 2. Anto Dayan, "Pengantar Metoda Statistik", Jilid 1 dan 2,LP3ES, Cetakan ke XVIII, Jakarta, 1995 (A) 3. Sudjana, "Statistik untuk Ekonomi dan Niaga", Jilid 1 dan 2, Tarsito, Edisi ke V, Bandung, 1995 (S) 4. Supranto, J. 2000. Statistik: Teori dan Aplikasi. Erlangga, Jakarta.