

1. Course Identity

Course Name	Inductive Statistics		
Faculty	Business and Economics	Study Program	Economics
Code	SIE434	Credit	3
Group	Study Program	Course Status	Compulsory
Semester	4	Availability	Limited
Learning Method	In-class	Media	Blended
Course Cluster	Core Course	Prerequisite	Descriptive Statistics

2. Course Description

The Inductive Statistics course in the curriculum is given to the 4th semester students in 3 credits. This course is a compulsory course that is taken with the prerequisite that students must pass Descriptive Statistics and Non-Parametric course.

The main objective of this course is to develop students' ability to master quantitative reasoning on data and statistical relationship for economic analysis and to be able to use statistic and econometric software with data analysis procedures

3. Learning Outcome

GLO Code	Formulation of Graduate Learning Outcome (GLO)	CLO Code	Formulation of Course Learning Outcome (CLO)
E	Able to master quantitative reasoning to analyze phenomena of business, finance and economic development	E5	Able to master quantitative reasoning on data and statistical relationships for economic analysis
H	Able to utilize data and technology to analyze problems in development economic, finance and business.	H1	Able to use statistic and econometric software which corresponds with data analysis procedures.

4. Study Materials & Main References

Study Materials	<ul style="list-style-type: none"> ● Philosophy, theory and basic model of inductive statistics ● Probability Distribution ● Sampling and Sampling Distribution ● Statistical Estimation ● One Sample Hypothesis Testing ● Two-Sample Hypothesis Testing ● Nonparametric Testing ● Analysis of Variance (ANOVA) ● Regression and Correlation Analysis ● Practice using programs/software
Main References	[1] Agus Widarjono, 2015, Statistika Terapan dengan Excel dan SPSS, UPP-AMP YKPN, Yogyakarta. [2] Douglas A. Lind, 2017, Statistical Techniques in Business and Economics, Mc Graw Hill. [3] Pangestu Subagyo dan Djarwanto Ps., 2013, Statistika Induktif, BPFE-Yogyakarta.



Date :	Date :	Date :
Authorized by Dean	Checked by Head of Department	Prepared by
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