Description of Course Unit

Course unit title	Statistics
Course unit code	EI 21203
Type of course unit (compulsory, optional)	Compulsory
Level	Bachelor
Semester	2
Number of credits	3
Name of lecturer(s)	1. Dr. Agus Tri Basuki, S.E., M.Si. (agustribasuki@yahoo.com 2. Romi Bhakti Hartarto, Ph.D (romi.hartarto@umy.ac.id)
Learning outcomes of the course unit	1. Students are able to understand the concept of opportunity and examples of its use in economics. 2. Students are able to understand discrete distribution concepts and examples of their use in economics. 3. Students are able to understand the concept of continuous distribution and examples of its use in economics 4. Students are able to understand the concept of sampling distribution and examples of its use in economics. 5. Students can perform statistical inferences from a single sample on an economic case study. 6. Students can perform statistical inferences from multiple samples on economic case studies 7. Students are able to understand the concept of ANOVA and examples of its us in economic analysis 8. Students are able to understand the concept of correlation &regression as well as example of their use in economic analysis
Mode of delivery (face-to-face, distance learning)	Face-to-face and blended learning
Prerequisites and co-requisites	All compulsory courses from semester 1-3

Course content	Inductive Statistics courses are compulsory courses in the Economics Study Program. The Inductive Statistics course aims to introduce quantitative techniques used in economics by providing basic training for students to work on research projects. Course content following: Probability, Discrete distribution: binomial & poisson, Continuous distribution: normal, Continuous distribution: uniform & exponential, Sampling distribution, Inference statistics: a single sample, Test a single sample hypothesis, Double sample different test, ANOVA, and Correlation & linear regression.
Recommended or required reading and other learning resources/tools	Main: Lind, Marchal, & Wathen, Statistical techniques in business *and economics*,15th ed. Basuki, *Statistics for Economics and Business* Supplementary: Cortinhas & Black. (2012) *Statistics for Business and Economics*
Planned learning activities and teaching methods	Tutorial, case study, self-directed study, discovery learning, role play, simulation, focus group discussion, cooperative learning and project based learning
Language of instruction	Indonesian/English
Assessment methods and criteria	Quiz, assignment, Evaluation Course Learning Outcome (ECLO)

GRADE	SCORE (%)	PREDICATE	Description	Conversion Value
A	$80 \geq ..$	Excellence	Achieve learning outcomes with excellence grade	4
AB	$75 \leq AB < 80$	Very Good	Achieve learning outcomes with very good grade	3,5
B	$65 \leq B < 75$	Good	Achieve learning outcomes with good grade	3
BC	$60 \leq BC < 65$	Good Enough	Achieve learning outcomes with good enough grade	2,5
C	$50 \leq C < 60$	Enough	Achieve learning outcomes with enough grade	2
D	$35 \leq D < 50$	Less	Achieve learning outcomes with less grade	1
E	$.. < 35$	Failed	Failure to achieve learning outcomes	0