





UNIVERSITAS PEMBANGUNAN NASIONAL "VETERAN" YOGYAKARTA
FACULTY OF SOCIAL SCIENCE AND POLITICAL SCIENCE
BACHELOR'S DEGREE PROGRAMME IN BUSINESS ADMINISTRATION (S1)

DOCUMENT CODE
 Course
 Description/BUSINESS
 ADMINISTRATION
 S1/152220123/2023

COURSE DESCRIPTION

COURSE	(MK)	CODE :	Course Cluster	CREDIT POINTS		SEMESTER	Date of Preparation
Business Statistics	(152220123)		General	T = 3 (4,8 ECTS)	P = 0	3	January 01, 2023
AUTHORIZATION	Development Lecturer Course Description		Head Of Cluster		Head of Study Programme		
	1. ROSALIA DWI FADMA TJ 2. HUMAM SANTOSO UTOMO 3. Meilan Sugiarto 4. Satrio Tegar Gunung Koraag, M.B.A., M.i.M.		 Meilan Sugiarto		 Drs. Indro Herry Mulyanto, M.Sc		
Learning Outcome (LO)	(GLO) assigned to the course						
	A1	Apply religious, national, <i>bela negara</i> , and professional ethics values independently and in a group setting.					
	GS2	Compose scientific papers as a form of scientific description conducted in accordance with academic ethics in presenting research results.					
	K4	Use appropriate methods for data collection, processing, and analysis, both qualitatively and quantitatively, in solving business problems.					
	SS1	Evaluate the implications of a policy using analytical and systematic approaches in standardised evaluation formats.					

Course Learning Outcomes (CLO)	
CLO1	Able to explain and work on data collection systematically (P4, S1)
CLO2	Able to process data by utilizing relevant statistical applications (KK1, P4, S1)
CLO3	Able to analyse the results of data processing comprehensively (KK1, KU2, P4)
CLO4	Able to use the discussion results in business decision making (P4, S1, KU2)
Final capability of each learning stage (Sub-CLO)	
Sub CLO 1	Students are able to explain the meaning and scope of statistics (CLO 1) (C2, A3, P1)
Sub CLO 2	Students are able to describe data using Statistics software appropriately and correctly. (Organisation and Presentation of Data) (CLO 2,1) (C2, A2, P2)
Sub CLO 3	Students are able to explain about Frequency distribution (CLO 4,1) (C2, A2, P2)
Sub CLO 4	Students are able to understand Central Tendency (Mean, Median, Mode) (CLO 4.1) (C2, A2, P2)
Sub CLO 5	Students are able to explain Variable and Measurement (CLO 4.1) (C2, A2, P2)
Sub CLO 6	Students are able to explain and practice Research Instrument Testing (CLO 4,2,1) (C3, A2, P2)
Sub CLO 7	Students are able to explain non-parametric statistics and use them in business research appropriately (CLO 3,2,1) (C3, A2, P2)
Sub CLO 8	Students are able to explain simple regression and use it in business research appropriately (correlation and regression analysis) (CLO 4,3,1) (C3, A2, P2)
Sub CLO9	Students are able to practice data processing and analysis of correlation and regression data (CLO 3,2,1) (C3, A2, P2)
Sub CLO10	Students are able to explain the principles of using EVA CFA factor analysis (CLO 3.1) (C2, A2, P2)
Sub CLO11	Students are able to practice data processing and factor analysis/EVA/CVA (CLO 4.2) (C3, A2, P2)
Sub CLO12	Students are able to understand SEM Analysis (CLO 4.1) (C2, A2, P2)
Sub CLO13	Students are able to perform SEM data processing and data analysis (CLO 2.4) (C3, A2, P2)
Sub CLO14	Students are able to do Data Analysis and Business Decision Making (CLO 2,3,4) (C4, A4, P3)
Correlation of GLO to Sub-CLO	

GLO	A1	GS2	K4	SS1
Sub CLO 1	X		X	
Sub CLO 2	X		X	X
Sub CLO 3	X	X	X	
Sub CLO 4	X	X	X	
Sub CLO 5	X	X	X	
Sub CLO 6	X	X	X	X
Sub CLO 7	X	X	X	X
Sub CLO 8	X	X	X	X
Sub CLO9	X	X	X	X
Sub CLO10	X	X	X	X
Sub CLO11	X	X	X	X
Sub CLO12	X	X	X	
Sub CLO13	X	X	X	X
Sub CLO14	X	X	X	X

Description Of Course
The Business Statistics course deals with data, data collection, data processing, analysing data, and using the results of data analysis for making business decisions.
Language of instruction: Indonesian

Material Study/Material Learning
1. Basic statistical concepts, frequency distribution, central value, dispersion, data normality, validity & reliability, correlation coefficient, hypothesis testing.

References
Main :
1. Lind, Douglas A., William G. Marchal, & Samuel A. Wathen. 2022. Basic Statistics for Business & Economics. 9th Ed. McGraw-Hill Education: New

	York
	Supporters: 1. Bowerman, Bruce L., Richard T. O'Connell, & Emily S. Murphree. 2021. Business Statistics in Practice: Using Data, Modeling, and Analytics. 10th Ed. McGraw-Hill Education: New York.
Lecturer	Satrio Tegar Gunung Koraag, M.B.A. and Keny Rahmawati and ROSALIA DWI FADMA TJ and HUMAM SANTOSO UTOMO and Meilan Sugiarto
Prerequisite courses	None

Week	Final capability of each learning stage (Sub-CLO)	Evaluation		Learning Forms, Learning Methods, Assignments Students, [Estimated Time]		Learning Materials [Library] (Topics)	Assessment Weight (%)
		Indicator	Criteria & Form	Offline	Online		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Students are able to explain the meaning and Scope of Statistics	1. Students explain the meaning and space statistical scope	K = Rubric B = Mid Exam B = Final Exam	BP = Activity Learning Process PM = Lecture PM = Free Entry		- 1. Lind, Douglas A., William G. Marchal, & Samuel A. Wathen. 2022. Basic Statistics for Business & Economics. 9th Ed. McGraw-Hill Education: New York.	

2	Students are able to describe data using Statistics software appropriately and correctly (Organising and Presenting Data)	1. students practice organising and presenting data	K = Rubric B = Task Project	BP = Activity Assignment structured PM = Project based learning PM = Create Project	- Lind, Douglas A., William G. Marchal, & Samuel A. Wathen. 2022. Basic Statistics for Business & Economics. 9th Ed. McGraw-Hill Education: New York.	
3	Students are able to explain about frequency distribution	1. Students explain frequency distribution	K = Rubric B = Participation	BP = Activity Learning Process PM = Debate PM = Opinion-gap task	- Lind, Douglas A., William G. Marchal, & Samuel A. Wathen. 2022. Basic Statistics for Business & Economics. 9th Ed. McGraw-Hill Education: New York.	
4	Students are able to understand Central Tendency (Mean, Median, Mode)	1. Students explain and calculate central tendency (mean, median and mode)	K = Rubric B = Task Project	BP = Activity Assignment structured PM = Project based learning PM = Create Project	- Lind, Douglas A., William G. Marchal, & Samuel A. Wathen. 2022. Basic Statistics for Business & Economics. 9th Ed. McGraw-Hill Education: New York.	

5	Students are able to explain Variables and Measurement	1. Students explain variables and their measurements	K = Rubric B = Participation	BP = Activity MP Learning Process = Group discussion PM = Task Solving Problem (Problem Solving)	- Lind, Douglas A., William G. Marchal, & Samuel A. Wathen. 2022. Basic Statistics for Business & Economics. 9th Ed. McGraw-Hill Education: New York.
6	Students are able to explain and practice Research Instruments Testing	1. Students explain and practice Instrument Testing Study	K = Rubric B = Task Project	BP = Activity Assignment structured PM = Project based learning PM = Create Project	- 1. Lind, Douglas A., William G. Marchal, & Samuel A. Wathen. 2022. Basic Statistics for Business & Economics. 9th Ed. McGraw-Hill Education: New York.
7	Students are able explain non-parametric statistics and use them in business research appropriately	1. Students explain non-parametric statistics	K = Rubric B = Participation	BP = Activity Learning Process MP = Student presentations in class PM = Opinion-gap task	- 1. Lind, Douglas A., William G. Marchal, & Samuel A. Wathen. 2022. Basic Statistics for Business & Economics. 9th Ed. McGraw-Hill Education: New York.
8	Mid Exam				

9	Students are able to practice data processing and analysis of correlation and regression data	1. students practice data processing and data analysis (correlation and regression)	K = Rubric B = Task Project	BP = Activity Assignment structured PM = Project based learning PM = Create Project	- Lind, Douglas A., William G. Marchal, & Samuel A. Wathen. 2022. Basic Statistics for Business & Economics. 9th Ed. McGraw-Hill Education: New York.
10	Students are able explain the principles of using EVA CFA factor analysis	1. Students explain the principles of using factor analysis (EVA & CFA)	K = Rubric B = Participation	BP = Activity MP Learning Process = Group discussion PM = Task Solving Problem (Problem Solving)	- 1. Lind, Douglas A., William G. Marchal, & Samuel A. Wathen. 2022. Basic Statistics for Business & Economics. 9th Ed. McGraw-Hill Education: New York.
11	Students are able to practice data processing and factor analysis/EVA/CVA	1. Students practice factor analysis of EVA CFA	K = Rubric B = Task Project	BP = Activity Assignment structured PM = Project based learning PM = Create Project	- 1. Lind, Douglas A., William G. Marchal, & Samuel A. Wathen. 2022. Basic Statistics for Business & Economics. 9th Ed. McGraw-Hill Education: New York.

12	Students are able to understand SEM analysis	1. Students explain the analysis with the SEM application	K = Rubric B = Participation	BP = Activity Learning Process PM = Debate PM = Task Solving Problem (Problem Solving)	- 1. Lind, Douglas A., William G. Marchal, & Samuel A. Wathen. 2022. Basic Statistics for Business & Economics. 9th Ed. McGraw-Hill Education: New York.
13	Students are able to perform SEM data processing and data analysis	1. Students practice data processing and data analysis with SEM	K = Rubric B = Task Project	BP = Activity Assignment structured PM = Project based learning PM = Create Project	- 1. Lind, Douglas A., William G. Marchal, & Samuel A. Wathen. 2022. Basic Statistics for Business & Economics. 9th Ed. McGraw-Hill Education: New York.
14	Students are able to do Data Analysis and Business Decision Making	1. Students practice data analysis and make business decisions	K = Rubric B = Task Project	BP = Activity Assignment structured PM = Project based learning PM = Create Project	- 1. Lind, Douglas A., William G. Marchal, & Samuel A. Wathen. 2022. Basic Statistics for Business & Economics. 9th Ed. McGraw-Hill Education: New York.
16	Final Exam				



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Course: BUSINESS STATISTICS

Code: 152220123	Weight Credit Point (T/P): 3 (4,8 ECTS)/0 Semester: 3	Course Cluster: General	No: Date:
AUTHORIZATION	DRAFTING TEAM	Head Of Cluster: Meilan Sugiarto	Head of Study Programme: Drs. Indro Herry Mulyanto, M.Sc

Week (1)	Sub CLO (2)	Assessment form (Assessment) (%) (3)	Weight (%) (4)
	Sub CLO 8 Students are able to explain simple regression and use it in business research appropriately (Correlation and regression analysis) (C3, A2, P2)	Cases Task () Project Task() Task () Writing test () Presentation () Participation ()	
1	Sub CLO 1 Students are able to explain the meaning and scope of Scope of Statistics (C2, A3, P1)	Task Cases (0) Project Tasks (0) Tasks (0) Writing Test (0) Presentation (0) Participation (0)	0 0 0 0 0 0
2	Sub CLO 2 Students are able to describe data using Statistics software appropriately and correctly (Organisation and Presentation of Data) (C2, A2, P2)	Task Cases (0) Project Tasks (2) Tasks (0) Writing Test (0) Presentation (0) Participation (0)	0 2 0 0 0 0
3	Sub CLO 3 Students are able to explain about frequency distribution (C2, A2, P2)	Task Cases (0) Project Tasks (0) Tasks (0) Writing Test (0) Presentation (0) Participation (2)	0 0 0 0 0 2

4	Sub CLO 4 Students are able to understand Central Tendencies (Mean, Median, Mode) (C2, A2, P2)	Task Cases (0) Project Tasks (2) Tasks (0) Writing Test (0) Presentation (0) Participation (0)	0 2 0 0 0 0
5	Sub CLO 5 Students are able to explain Variables and Measurements (C2, A2, P2)	Task Cases (0) Project Tasks (0) Tasks (0) Writing Test (0) Presentation (0) Participation (2)	0 0 0 0 0 2
6	Sub CLO 6 Students are able to explain and practice Research Instrument Testing (C3, A2, P2)	Task Cases (0) Project Tasks (10) Tasks (0) Writing Test (0) Presentation (0) Participation (0)	0 10 0 0 0 0
7	Sub CLO 7 Students are able to explain non-parametric statistics and use them in business research appropriately (C3, A2, P2)	Task Cases (0) Project Tasks (0) Tasks (0) Writing Test (0) Presentation (0) Participation (2)	0 0 0 0 0 2
8	MID EXAM	WRITING TEST	30
9	Sub CLO9 Students are able to practice data processing and data analysis correlation and regression (C3, A2, P2)	Task Cases (0) Project Tasks (2) Tasks (0) Writing Test (0) Presentation (0) Participation (0)	0 2 0 0 0 0
10	Sub CLO10 Students are able to explain the principles of using EVA CFA factor analysis (C2, A2, P2)	Task Cases (0) Project Tasks (0) Tasks (0) Writing Test (0) Presentation (0) Participation (2)	0 0 0 0 0 2

11	Sub-CLO11 Students are able to practice data processing and factor analysis/EVA/CVA (C3, A2, P2)	Task Cases (0) Project Tasks (2) Tasks (0) Writing Test (0) Presentation (0) Participation (0)	0 2 0 0 0 0
12	Sub-CLO12 Students are able to understand SEM Analysis (C2, A2, P2)	Task Cases (0) Project Tasks (0) Tasks (0) Writing Test (0) Presentation (0) Participation (2)	0 0 0 0 0 2
13	Sub-CLO13 Students are able to perform SEM data processing and data analysis (C3, A2, P2)	Task Cases (0) Project Tasks (10) Tasks (0) Writing Test (0) Presentation (0) Participation (0)	0 10 0 0 0 0
14	Sub-CLO14 Students are able to perform Data Analysis and Business Decision Making (C4, A4, P3)	Task Cases (0) Project Tasks (2) Tasks (0) Writing Test (0) Presentation (0) Participation (0)	0 2 0 0 0 0
16	FINAL EXAM	WRITING TEST	30
Total Assessment Weight			100%



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1st STUDENT ASSIGNMENT PLAN

Subject	BUSINESS STATISTICS		
Course code	152220123	Credits Point: 3 (4,8 ECTS) (3-0)	Semester : 3
Lecturer	Satrio Tegar Gunung Koraag, M.B.A. and Keny Rahmawati and ROSALIA DWI FADMA TJ and HUMAM SANTOSO UTOMO and Meilan Sugiarto		
Task Form	Project base		
Task Title	Simple Regression Analysis		
Sub CLO 8	- Students are able to explain simple regression and use it in business research properly (correlation and regression analysis)		
Task Description	perform regression from processed mini survey data		
Garage Object	-		
Working Method Task	Using SPSS		

Form and output format of the regression
analysis of the relationship between variables

Indicators and Rating Weights

-

Implementation Schedule

-

Others:

-

References:

-

Yogyakarta, 01 January 2023

Satrio Tegar Mount Koraag, M.B.A.

Keny Rahmawati

ROSALIA DWI FADMA TJ

HUMAM SANTOSO UTOMO

Meilan Sugiarto

