

**1. Course Identity**

<b>Course Name/Block</b>	Descriptive Statistics		
<b>Faculty</b>	Business and Economics	<b>Study Program</b>	Accounting
<b>Code</b>	31303021	<b>Credit Points</b>	2
<b>Group</b>	Compulsory Subjects	<b>Intake</b>	Compulsory
<b>Semester</b>	2	<b>Availability</b>	Even Semesters
<b>Methods</b>	In Class/Tutorial	<b>Media</b>	Blended
<b>Block</b>	Research Methodology	<b>Prerequisite</b>	Mathematics for Economics and Business
<b>Instructor/Instructor Coordinator</b>			

**2. Course Learning Outcome**

GLO Code	GLO Formulation	CLO Code	CLO Formulation	Indicators	Assessment/Evaluation	Weight
2.4	Students are able to interpret statistic result into thesis or final project and upload this to universities' website	2.4.1	Students understand the basic concept of statistics and its benefit for decision making	Students are able to appreciate statistics concept and basic vocabulary	1. Individual participation 2. Mid-test 3. Final-test	Mid-Test(30%) Final-test (30%) Individual participation (40%)
		2.4.2	Students can visualize the data and having capability to solve economic problem by using statistic results	Students are able to organize and visualize data into various charts	1. Individual participation 2. Mid-test 3. Final-test	
		2.4.3	Students understand the advantages and disadvantages of central tendency concept	Students can calculate mean, mode, median, etc	1. Individual participation 2. Mid-test 3. Final-test	
		2.4.4	Students understand the use of index numbers	Student calculate properly economic quantitative data into economic index	1. Individual participation 2. Mid-test 3. Final-test	
		2.4.6	Students understand probability concept, discrete probability, normal distribution	Students can calculate probability of the events	1. Individual participation 2. Mid-test 3. Final-test	

**3. Map of Learning Achievement Analysis**

BLK 5

LMW 15

BLK 6

BLK 4



#### 4. Learning Experience and References

<b>Learning Experience</b>	Students will be given basic statistical concepts. After students understand the concept, students are expected to collect business data and transform it into a statistics tool for making business decisions.
<b>References</b>	1. Berenson, Mark L., David M. Levine, dan Timothy C. Krehbiel. 2013. Basic Business Statistics. Pearson (BLK) 2. Lind, Douglas A., William G. Marchal, dan Samuel A. Wathen. 2012. Statistical Techniques in Business & Economics. McGraw Hill (LMW)

#### 4. Details of Learning Activities

Meetings	CLO/ Sub-CLO	Main/ Sub- Topic	Learning Method/Model	Implementa tion	Reference
1		Understand lecture process	<b>Face to Face (FF):</b> <ul style="list-style-type: none"> <li>The instructor explains about lecture materials, learning objectives and targets to be achieved, reading material and lecture provisions</li> </ul>	Duration 2x50 minutes	
2	2.4.1 Students understand the basic concept of statistics and its benefit for decision making	Introduction to statistics	<b>FF:</b> <ul style="list-style-type: none"> <li>Instructor explains about scheduled lecture materials</li> <li>Instructor discusses the scheduled lecture materials</li> </ul> <b>SA:</b> Students are given case exercises regarding the scheduled lecture materials	Duration 2x50 minutes	BLK Ch 1



3	2.4.2 Students can visualize the data and having capability to solve economic problem by using statistic results	Organizing and Visualizing Data	<p><b>FF:</b></p> <ul style="list-style-type: none"> <li>Instructor explains about scheduled lecture materials</li> <li>Instructor discusses the scheduled lecture materials</li> </ul> <p><b>SA:</b> Students are given case exercises regarding the scheduled lecture materials</p>	Duration 2x50 minutes	BLK Ch 2
4	2.4.3 Students understand the advantages and disadvantages of central tendency concept	Central Tendency	<p><b>FF:</b></p> <ul style="list-style-type: none"> <li>Instructor explains about scheduled lecture materials</li> <li>Instructor discusses the scheduled lecture materials</li> </ul> <p><b>SA:</b> Students are given case exercises regarding the scheduled lecture materials</p>	Duration 2x50 minutes	BLK Ch 3
5	2.4.3 Students understand the advantages and disadvantages of central tendency concept	Coefficient of variance and outlier	<p><b>FF:</b></p> <ul style="list-style-type: none"> <li>Instructor explains about scheduled lecture materials</li> <li>Instructor discusses the scheduled lecture materials</li> </ul> <p><b>SA:</b> Students are given case exercises regarding the scheduled lecture materials</p> <p><b>Independent Activities (IA):</b> Students are given individual homework regarding the scheduled lecture materials</p> <p><b>Online Learning (OL):</b> Upload the review of scheduled lecture materials to Google Classroom</p>	Duration 2x50 minutes	BLK Ch 3
6	2.4.3 Students understand the advantages and disadvantages of central tendency concept	Covariance dan Coefficient correlation	<p><b>FE:</b></p> <ul style="list-style-type: none"> <li>Instructor explains about scheduled lecture materials</li> <li>Instructor discusses the scheduled lecture materials</li> </ul> <p><b>SA:</b> Students are given case exercises regarding the scheduled lecture materials</p>	Duration 2x50 minutes	BLK Ch 3

7		Business cases	<p><b>FF:</b></p> <ul style="list-style-type: none"> <li>Instructor explains about scheduled lecture materials</li> <li>Instructor discusses the scheduled lecture materials</li> </ul> <p><b>SA:</b> Students are given case exercises regarding the scheduled lecture materials</p> <p><b>IA:</b> Students are given individual homework regarding the scheduled lecture materials</p> <p><b>OL:</b> Upload the review of scheduled lecture materials to Google Classroom</p>	Duration 2x50 minutes	BLK Ch 3
8	2.4.4 Students understand the use of index numbers	Index in economics and business	<p><b>FF:</b></p> <ul style="list-style-type: none"> <li>Instructor explains about scheduled lecture materials</li> <li>Instructor discusses the scheduled lecture materials</li> </ul> <p><b>SA:</b> Students are given case exercises regarding the scheduled lecture materials</p>	Duration 2x50 minutes	LMW Ch 15
9	2.4.6 Students understand probability concept, discrete probability, normal distribution	Simple Probability and Bayes Theorem	<p><b>FF:</b></p> <ul style="list-style-type: none"> <li>Instructor explains about scheduled lecture materials</li> <li>Instructor discusses the scheduled lecture materials</li> </ul> <p><b>SA:</b> Students are given case exercises regarding the scheduled lecture materials</p>	Duration 2x50 minutes	BLK Ch 4
10	2.4.6 Students understand probability concept, discrete probability, normal distribution	Counting Rules	<p><b>FF:</b></p> <ul style="list-style-type: none"> <li>Instructor explains about scheduled lecture materials</li> <li>Instructor discusses the scheduled lecture materials</li> </ul> <p><b>SA:</b> Students are given case exercises regarding the scheduled lecture materials</p>	Duration 2x50 minutes	BLK Ch 4

11	2.4.6 Students understand probability concept, discrete probability, normal distribution	Probability for discrete random variable	<p><b>FF:</b></p> <ul style="list-style-type: none"> <li>Instructor explains about scheduled lecture materials</li> <li>Instructor discusses the scheduled lecture materials</li> </ul> <p><b>SA:</b> Students are given case exercises regarding the scheduled lecture materials</p>	Duration 2x50 minutes	BLK Ch 5
12	2.4.6 Students understand probability concept, discrete probability, normal distribution	Covariance and its application in finance	<p><b>FF:</b></p> <ul style="list-style-type: none"> <li>Instructor explains about scheduled lecture materials</li> <li>Instructor discusses the scheduled lecture materials</li> </ul> <p><b>SA:</b> Students are given case exercises regarding the scheduled lecture materials</p>	Duration 2x50 minutes	BLK Ch 5
13	2.4.6 Students understand probability concept, discrete probability, normal distribution	Probability in normal distributed data	<p><b>FF:</b></p> <ul style="list-style-type: none"> <li>Instructor explains about scheduled lecture materials</li> <li>Instructor discusses the scheduled lecture materials</li> </ul> <p><b>SA:</b> Students are given case exercises regarding the scheduled lecture materials</p> <p><b>IA:</b> Students are given individual homework regarding the scheduled lecture materials</p> <p><b>QL:</b> Upload the review of scheduled lecture materials to Google Classroom</p>	Duration 2x50 minutes	BLK Ch 6
14		Contemporary cases	<p><b>FF:</b></p> <ul style="list-style-type: none"> <li>Instructor explains about scheduled lecture materials</li> <li>Instructor discusses the scheduled lecture materials</li> </ul> <p><b>SA:</b> Students are given case exercises regarding the scheduled lecture materials</p>	Duration 2x50 minutes	LMW 15, BLK 4-6

### 6. Assessment System and Evaluation

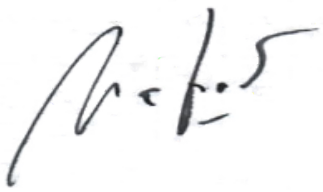
#### Assessment System

The components of final mark are as follows:

<b>Midterm Test</b>	<b>30%</b>
<b>Final Test</b>	<b>30%</b>
<b>Group Presentation</b>	<b>20%</b>
<b>Group Study Case Report</b>	<b>10%</b>
<b>Individual Participation</b>	<b>10%</b>

The Benchmark for Assessment Reference of this course employs assessment criteria and weights in accordance with Rector's Decree No. 5/PR/Rek/BPA/III/2014 Article 12:

Total	Mark	Total	Mark
>80,00	A	62,50-64,99	C+
77,50-79,99	A-	60,00-62,49	C
75,00-77,49	A/B	55,00-59,99	C-
72,50-74,99	B+	50,00-54,99	C/D
70,00-72,49	B	45,00-49,99	D+
67,50-69,99	B-	40,00-44,99	D
65,00-67,49	B/C	<40	E

Date:	Date :	Date:
Validated by the Head of Study Program	Checked by Subject Group Coordinator	Prepared by Instructor/Instructor Coordinator
		
Dr. Mahmudi, S.E., M.Si., Ak, CMA		