

**1. Course Identity**

<b>Course Name</b>	Statistics for Business		
<b>Faculty</b>	Business and Economics	<b>Study program</b>	Management
<b>Code</b>	SEM325	<b>Credits weight</b>	3
<b>Group</b>	Study program	<b>Type of Course</b>	Compulsory
<b>Semester</b>	3	<b>Availability</b>	Open for External Parties
<b>Learning Method</b>	Classroom Session	<b>Media</b>	Blended
<b>Course Cluster</b>	Technical Course (MKT)	<b>Prerequisite</b>	-

**2. Course Description**

This course studies the methods of collecting data, compiling data, presenting data and analyzing data as well as drawing conclusions about the overall data based on some of the data analyzed. This course discusses the following materials: conceptual frameworks and applications of descriptive statistics consisting of frequency distribution, measure of central tendency, measures of location, shape of distribution, measures of distribution, index numbers and time series, as well as inductive statistics which include probability, probability distribution, sampling distribution, statistical estimation, hypothesis testing, regression and correlation.




**3. Learning Outcomes**

CPL Codes	Formulation of Graduate Learning Outcomes (CPL)	CPMK Codes	Formulation of Course Learning Outcomes (CPMK)
S1	To be devoted to God the Almighty and develop a virtuous noble character	CPMK 01	To collect, process, present data in statistical form and analyze it into information (S1, S3, S5, PP4, KK1)
S3	To internalize values, norms and ethics that prioritize integrity, honesty, responsibility and trust in carrying out profession		
S5	To appreciate the diverse cultures, views, religions, and beliefs and opinion or findings of others		
PP4	To master the concept of research methods, including case studies, historical, surveys, simulations, and experiments in qualitative and quantitative scope, exploratory, descriptive and verification and able to implement at least 1 research method	CPMK 02	To determine index numbers and trend equations from time series data (S1, S3, S5, PP4, KK1)
KK1	To recognize and observe management problems through empirical studies and modeling using scientific methods based on management science, in various types of organizations		
KU2	To contribute in the preparation of the organization's strategic plan and interpret the strategic plan into organizational operational plans at the functional level	CPMK 03	To determine the probability of an event and estimate parameter values based on statistical values (KU2, S7, KU4, KK4, KK5)
S7	To abide by the law and discipline in the life of the society and the state		
KU4	To make the right managerial decisions in various types of organizations at the operational level, based on data and information analysis on organizational functions	CPMK 04	To draw conclusions based on hypothesis testing (KU2, S7, KU4, KK4, KK5)
KK4	To think "out of the box" by implementing the values of perfection in accordance with the Islamic treatise by approaching and reasoning to solve problems based on management science		
KK5	To think like a visionary, and to be open, communicative, creative, responsive to		

	change and adaptive to the scientific and technological advancement in the scope of management science		
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**4. Learning Materials and Main References**

<b>Learning Materials</b>	<ol style="list-style-type: none"> <li>1. Overview of Statistics</li> <li>2. Frequency Distribution</li> <li>3. Measures of Central Tendency</li> <li>4. Measures of Position</li> <li>5. Measures of Dispersion and the Shape of Distribution</li> <li>6. Index Number</li> <li>7. Time Series</li> <li>8. Probability</li> <li>9. Probability Distribution</li> <li>10. Sampling Distribution</li> <li>11. Statistical Estimation</li> <li>12. Hypothesis Testing</li> <li>13. Regression and Correlation</li> </ol>
<b>Main References</b>	Douglas Lind & William Marchal (2012), <b>Basic Statistics for Business and Economics</b> , 8 <sup>th</sup> Edition, McGraw-Hill Education Ricard L. Levin (2008), <b>Statistics for Management</b> , 7 <sup>th</sup> Edition, Dorling Kindersley Pvt Ltd

Date: February 10, 2021	Date: February 04, 2021	Date: February 01, 2021
Approved by the Dean	Examined by the Head of the Study Program	Prepared by:
		
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**TRANSLATOR STATEMENT**

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