

**SEMESTER LEARNING PLAN**

**DESCRIPTIVE STATISTICS**



**Lecturers:**

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**ECONOMIC EDUCATION STUDY PROGRAM  
FACULTY OF ECONOMICS AND BUSINESS EDUCATION  
UNIVERSITAS PENDIDIKAN INDONESIA  
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## **2. Course Description**

Descriptive Statistics is a compulsory course for undergraduate students (S-1) of the Economics Education Study Program of Faculty of Economics and Business Education (FPEB) UPI. This course studies collection and presentation of both primary and secondary data in a descriptive manner. The learning process is carried out using a project-based learning approach by giving individual and group assignments carried out face-to-face. After having an active learning process, students are expected to have developed their skills in describing data. The evaluation of this course is carried out based on the work grades obtained during the lecture process and the assessment of the students' project portfolio.

## **3. Referred Study Program Learning Achievement**

- S1 Exhibit scientific, educative, and religious attitude and behaviour, which contributes to the improvement of social, national, and state lives founded on academical norms and ethics.
- P2 Command economic theoretical concepts which support economic learning.
- KU2 Able to apply logical, critical, systematical, and innovative thinking in the context of scientific and technological development and implementation, which pays attention to and applies humanities value in accordance with the economic education expertise.

## **4. Course Learning Achievement**

- S1.1 Internalize scientific, educative, and religious attitudes and behaviors, which contribute to improving the quality of life in society, nation and state in the systematics of economic mathematics.
- P2.1 Describe the principles and strategies of learning descriptive statistics for the economy and society.
- P2.2 Describe the principle of data and data identification.
- P2.3 Manage and present data.
- P2.4 Observation data tabulation.
- P2.5 Analysis of data management in comparison and forecasting.
- P2.6 Calculating indexes and mastering the use of indexes.
- P2.7 Calculating Trend.

KU2.1 Able to think logically, critically and systematically in the context of the development of science in economic mathematics.

## 5. Learning Plan Description

Week	Course Learning Achievement	Learning Materials	Teaching/Learning Activities	Duration	Assessment	Reference
1	S1.1; KU1; KU2 Study orientation	1. Course descriptions 2. Semester Learning Plan 3. Rules of study 4. Ethics of study	<i>Synchronous</i> Students and lecturers are going to explore course descriptions, semester learning plan, rules and ethics of study, by online/offline learning.	3 x 50 minute	-	-
2	P2.1  Describe the principles and strategies of learning descriptive statistics for the economy and society	Statistics and Society	Synchronous Face to face in class and Virtual gaze via zoom  Asynchronous Self study through spot.upi.edu	3 x 50 minute	Identify statistical problems	7
3	P2.2  Describe the principle of data and data identification	Data	Asynchronous Self study through spot.upi.edu	3 x 50 minute	Identification of data by making observations in the field	1
4	P2.3  Describe the principles of data management and data presentation	Data Presentation	Synchronous Students work on the lecturer's instructions face-to-face and virtual	3 x 50 minute	Presenting data that has been obtained the previous week	5,6

Week	Course Learning Achievement	Learning Materials	Teaching/Learning Activities	Duration	Assessment	Reference
5	P2.4 Analysis of data management principles and tabulation of observational data	Frequency Distribution and Tabulation	Synchronous Virtual meeting via zoom  Asynchronous Self study through spot.upi.edu	3 x 50 minute	Tabulate data	<u>1,5,6</u>
6	P2.4 Describe the principles of data management and data presentation	Central value measure	Synchronous Face to face in class and Virtual meet via zoom  Asynchronous Students work on the lecturer's instructions regarding the material	3 x 50 minute	Doing questions related to the material	5,6
7	P2.5 Describe the principles of data management and presentation of observational data	Spread Size	Synchronous Face to face in class and Virtual meet via zoom  Asynchronous Self study through spot.upi.edu	3 x 50 minute	Doing questions related to the material	5,6
8	<b>MIDTERM EXAMS</b>					
9	P2.5 Describe the principles of data management and presentation of observational data	Spread Size	Synchronous Face to face in class and Virtual meet via zoom  Asynchronous Self study through spot.upi.edu	3 x 50 minute	Doing questions related to the material	7
10	P2.5	Layout Size	Asynchronous Self study through spot.upi.edu	3 x 50 minute	Doing questions related to the material	7

Week	Course Learning Achievement	Learning Materials	Teaching/Learning Activities	Duration	Assessment	Reference
	Describe the principles of data management and presentation of observational data					
11	P2.5 Describe the principles of data management and presentation of observational data	Inclination Size	Synchronous Virtual meet via zoom  Asynchronous Self study through spot.upi.edu	3 x 50 minute	Doing questions related to the material	1,5,6
12, 13	P2.6 Analysis of data management principles and tabulation of observational data in comparison and forecasting	Index Numbers and Comparison	Asynchronous Self study through spot.upi.edu	6 x 50 minute	Doing questions related to the material	2
14, 15	P2.6 Analysis of data management principles and tabulation of observed data in Trend Analysis and Forecasting	Trend Analysis and Forecasting	Synchronous Virtual meet via zoom  Asynchronous Self study through spot.upi.edu	6 x 50 minute	Doing questions related to the material	2
16	<b>FINAL EXAMS</b>					

## 6. References

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4. Algifari. 2003. *Statistika Induktif untuk Ekonomi dan Bisnis*. Yogyakarta: Akademi Manajemen Perusahaan YKPN
5. Lukas Setia Atmaja, 2009, Statistika untuk bisnis dan ekonomi, Andi, Yogyakarta
6. Sudjana. 1997. *Metode Statistika*, Tarsito, Bandung
7. Sudjana, Statistika untuk ekonomi dan niaga, Tarsito, Bandung