

Description of Course Unit

Course unit title	Introduction to Statistical Method
Course unit code	VS 191201
Type of course unit (compulsory, optional)	compulsory
Level of course unit (according to EQF: first cycle Bachelor, second cycle Master)	first cycle Bachelor
Year of study when the course unit is delivered (if applicable)	
Semester/trimester when the course unit is delivered	2
Number of ECTS credits allocated	6,4
Name of lecturer(s)	Brodjol Sutijo SU, Sri Pingit W, Lucia A, Fausania H, Mochammad Reza H, Muhammad Alifian N
Learning outcomes of the course unit	<ul style="list-style-type: none"> - Students are able to explain several types of sampling distributions - Students are able to estimate parameters of one and two populations - Students are able to test parameters of one population - Students are able to test the equality of parameters of two populations - Students are able to test the equality of parameters of more than two populations - Students are able to create a model for the relationship between two variables
Mode of delivery (face-to-face, distance learning)	Face to face
Prerequisites and co-requisites (if applicable)	-
Course content	<ol style="list-style-type: none"> 1. Sampling distributions 2. Parameter estimation 3. One population parameter testing 4. Testing equality of two population parameters 5. Testing equality of more than two population parameters 6. Simple linear correlation and regression analysis
Recommended or required reading and other learning resources/tools	<ol style="list-style-type: none"> 1. Walpole, R. E., Raymond H. M., <i>Probability and Statistics for Engineers and Sciences</i>, 9th ed, Publishing Co., Inc., New York, 2016 2. Montgomery C. Douglas & George C Runger, <i>Applied Statistics and Probability for Engineers</i>, 6th., Ed John Wiley & Sons., Inc., 2014 3. Aczel – Sounderpandian, <i>Business Statistics</i>. 7th Edition, The McGraw-Hill Companies, Inc. USA, 2008
Planned learning activities and teaching methods	Problem Based Learning, Project based learning
Language of instruction	Indonesian Language
Assessment methods and criteria	Assignment, Quiz, Midterm Exam and Final Exam.