DESCRIPTION OF STUDY COURSE

Course unit title	**Statistics**
Programme	Bachelor International Finance
Year of study	1st year
Level of course unit (e.g. first, second or third cycle)	First, Bachelor's study
Course unit code	**BFa012**
Name of lecturer(s)	Filip Nikolovski
Credit points	6 ECTS
Language of instruction	English
Type of course unit (compulsory, optional)	Compulsory
Semester when the course unit is delivered	2
Mode of delivery	Face-to-face.
Aim of Course	The aim of the course is to enable student to collect, store, access and complete basic data analysis for the purpose of efficient decision making in business and economics.
Preliminary knowledge (prerequisites and co-requisites)	Students are expected to possess solid knowledge and skills in calculus.
Course contents	1.Overview of statistics 2.Data collection 3.Describing data visually 4.Descriptive Statistics 5.Probability 6.Discrete probability distributions 7.Continuous probability distributions 8.Sampling distributions and estimation

Planned learning activities and teaching methods	**Teaching methods**	Student work load (1 CP = 40 hours of student work)
	Lectures	20 %
	Practical works and tests	30%
	Work at the library, independent study	50 %
		Total 160 hours
	Final course evaluation consists of 30% seminars and home works, 30% intermediate exam, 30% final exam, 10% attendance.	
Learning outcomes of the course unit	1. Students understand statistical data collection methods. 2. Students are able to sort data and illustrate it graphically; students are able to calculate statistical database collations. 3. Students are able to independently analyze and assess situation in each specific case.	

Assessment methods and criteria	Learning outcomes The form of assessment	1.	2.	3.
	Seminars and home works	❿	❿	❿
	Intermediate exam	❿	❿	❿
	Final exam	❿	❿	❿
Recommended or required reading	Compulsory literature: David P.Doane, Lori E.Seward (2021); *Applied statistics in Business and Economics*; International Edition, 7th Edition. Recommended reading: 1. David R. Anderson, Dennis J. Sweeney, Thomas A. Williams, Jeffrey D. Camm, James J. Cochran (2019)*; Statistics for Business & Economics*, Revised, 14th edition 2. James T. McClave, P. George Benson, Terry Sincich (2017); *Statistics for Business and Economics*, 13th Edition.			
Recommended optional programme components	To be agreed at the start of the course			