Identification	Subject	BSA 245 Statistics- 31	KU/6ECTS		
	Program	Undergraduate			
	Department	School of Economics and Management			
	Term	Fall Semester 2022			
	Instructor	Leyla Mustafayeva			
	E-mail	mustafayevaleyla@khazar.org			
	Classroom/hours	Monday: 15:20-16:50, Wednesday: 15:20-16:50			
	Language	English			
Prerequisites	MATH 217 Probab	oility Theory and Mathe	ematical Statistics		
Compulsory/	Compulsory				
Elective					
Textbooks and	1) Paul Newbol	d, William L.Carlson and	d Betty M.Thorne ``Statistics for		
course materials	Business and	d Economics ", 8 th edition	on, 2013. (NW)		
	2) Levine, Krehbiel, Berenson, "Business Statistics: A First Course", 5"				
	edition, 2010). Ica for Dusiness and Eco	noming Douglos A Lind William C		
	5) Dasic Statisti Marabal Sar	nucl A Wethen Dublish	ad by McGrayy Hill Education 2012		
	Supplementary box		ed by McOraw-IIII Education, 2015		
	Supplementary Dook: Statistics for Managers Using Microsoft Even by D. Laving, D. Stenhon				
	T.Krehbiel, M.Berenson, 6 th edition, 2011.				
	T.Krehbiel, M.Berer	nson, 6 th edition, 2011.	xee by D. Levine, D.Stephan,		
Evaluation	T.Krehbiel, M.Beren Method	nson, 6 th edition, 2011.	Percentage (%)		
Evaluation	T.Krehbiel, M.Beren Method Midterm Exam	nson, 6 th edition, 2011.	Percentage (%) 30		
Evaluation	T.Krehbiel, M.Beren Method Midterm Exam Quizzes	son, 6 th edition, 2011.	Percentage (%) 30 20 (3 quizzes)		
Evaluation	T.Krehbiel, M.Beren Method Midterm Exam Quizzes Activity	son, 6 th edition, 2011.	Percentage (%) 30 20 (3 quizzes) 5		
Evaluation	T.Krehbiel, M.Beren Method Midterm Exam Quizzes Activity Attendance	son, 6 th edition, 2011.	Percentage (%) 30 20 (3 quizzes) 5 5		
Evaluation	T.Krehbiel, M.Beren Method Midterm Exam Quizzes Activity Attendance Final Exam	son, 6 th edition, 2011.	Percentage (%) 30 20 (3 quizzes) 5 40		
Evaluation	T.Krehbiel, M.Beren Method Midterm Exam Quizzes Activity Attendance Final Exam Total	son, 6 th edition, 2011.	Percentage (%) 30 20 (3 quizzes) 5 40 100		
Evaluation Course outline and	T.Krehbiel, M.Beren Method Midterm Exam Quizzes Activity Attendance Final Exam Total The first course in t	he core statistics sequence			
Evaluation Course outline and objective	T.Krehbiel, M.Beren Method Midterm Exam Quizzes Activity Attendance Final Exam Total The first course in t and Mathematical S	he core statistics sequence tatistics. The main purpo	Percentage (%) 30 20 (3 quizzes) 5 40 100 ce cover topics in Probability Theory ose of these courses is to provide you		
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Learning Outcomes	After this course, students will be able to calculate descriptive and numerical			
	measures and probabilities based on both sample and population datasets to make			
	initial inferences about population parameters. Furthermore, they will acquire			
	skills to test population parameters by using Hypothesis testing based on sample			
	observations. During the lectures, students will obtain insights about the			
	involvement of statistical methods in real business and economic applications.			
Policy	- Quiz			
-	Each Quiz will worth 10% of final grade. It is planned to be conducted on			
	university if education is faced to face and will be consists of open questions.			
	Further details about quiz will be communicated by Instructor.			
	- Attendance Policy			
	5 % of final grade will be given for class attendance. Students should attend all			
	classes. The proof of reason for unavoidable absence must be provided by student.			
	In this case, the absence will not be resulted with grade subtraction.			
	Students should come to the classes on time. Late arrival more than 15 minutes			
	will be resulted as absence on the attendance sheet. In case of late arrival, student			
	must inform Instructor in advance.			
	Important Note: If the student miss 25% of all classes during the semester,			
	he or she will not be allowed to participate in examination.			
	- Class participation in this course:			
	5% of the final grade will be given for class participation. It is required from			
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	Date/Day	-	Textbook/Assignments
Week	(Tontotivo)	Topics	
	(Tentative)	Introduction to Statistics, Basic definitions and	
1	19.09.22	terminologies	Chapter 1 (NW)
	21.09.22		Chapter I (INVV)
2	26.09.22		
	28.09.22	Using Graphs to Describe Data	Chapter 1 (NW)
3	03.10.22		Chapter 2 (NW)
	05.10.22	Using Numerical Measures to Describe Data	
	10.10.22		Chapter 3 (NW)
4	12.10.22	Elements of Chance: Probability Methods	
_	17.10.22		
5	19.10.22	Conditional Probability and Bayes Theorem	Chapter 3 (NW)
6	24.10.22		
	26.10.22	Discrete Probability Distributions	Chapter 4 (NW)
7	31.10.22	Continuous Probability Distribution	Chapter 5 (NW) (Quiz1)
/	02.11.22	Midterm exam	
8	07.11.22	Sampling Distribution of Sample Means	
	09.11.22	Helidey	Chapter 6 (NW)
	1.1.1.1.00	nonday	
9	14.11.22		
	16.11.22	Sampling Distribution of Sample Proportion	Chapter 6 (NW)
	14.11.22	Confidence Interval Estimation of Unknown	
10		Population Mean	Chapter 7 (NW)

	TBA	Final Exam	
	28.12.22		
15	26.12.22	Multiple regression analysis	Chapter 11 (NW)
11	21.12.22	correlation analysis	
14	19.12.22	Analysis of variance. Linear regression	Chapter 10 (NW)
15	14.12.22	Hypothesis Tests of Single Population	
13	12.12.22		Chapter 9 (NW)
12	07.12.22	Confidence Interval Estimation: Further Topics	(Quizz)
12	05.12.22		Chapter 8 (NW)
11	30.11.22	unknown	
11	28.11.22	Confidence Interval Estimation of Unknown	Chapter 7 (NW)
	16.11.22		

This syllabus is a guide for the course and any modifications to it will be announced in advance.