

O'ZBEKISTON RESPUBLIKASI  
OLIY TA'LIM, FAN VA INNOVATSIYALAR VAZIRLIGI

MIRZO ULUG'BEK NOMIDAGI SAMARQAND DAVLAT ARHITEKTURA –  
QURILISH  
UNIVERSITETI

“KELISHILGAN”  
o'quv ishlari bo'yicha  
prorektor  
M.T. Shodmonqulov  
Ro'yxatga olindi:  
№ 128/a  
«30» avgust 2024 yil



BOSHQARUV UCHUN STATISTIKA II

FAN DASTURI

Bilim sohasi : 400 000 - Biznes, boshqaruv va huquq  
Ta'lim sohasi: 410 000 - Biznes va boshqaruv  
Ta'lim yo'nalishi: 60411300 - Biznesni boshqarish (tarmoqlar bo'yicha)

**Kurs ma'lumotlari**  
Course Information Form

Modul kodi Code BIZ2070	O'quv yili 2024-2025	Semestr 4	ECTS – Kreditlar 4-semestr -5			
Modul turi Majburiy	Ta'lim tili O'zbek/rus		Auditoriya soatlari			Mustaqil ta'lim (soat/hafta) Independent Education (hour/week)
Fan nomi Title	Jami yuklama	Ma'ruza (soat/hafta) Lecture (hour/week)	Amaliy (soat/hafta) Practical (hour/week)	Laboratoriya (soat/hafta) Laboratory (hour/week)		
<b>Boshqaruv uchun statistika II</b>	4-semestr -150	4-semestr -3			4-semestr -7	

<b>Dastlabki shart</b> Prerequisite	<b>Yo'q</b> None
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<b>Semestr</b> Semestr	<b>Bahorgi</b> Spring
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<b>Kurs tili</b> Course language	<b>Uzbek,Rus</b> Uzbek, Russian
<b>O'quv kursi</b> Level of Course	<b>Ikkinchi kurs</b> Second Cycle
<b>Ta'lim yo'nalishlari</b> Course type	60411300- Biznesni boshqarish(tarmoqla bo'yicha)
<b>Kurs toifasi</b> Course Category	Asosiy Core Courses
<b>Dars shakli</b> Mode of Delivery	An'anaviy (Yuzma – yuz muloqot) Face – to - face
<b>Ma'sul kafedra</b> Owner academic unit	Iqtisodiyot Department of Economics
<b>Kursga ma'sul</b> Cours Coordinator	Turayeva M., Jo'rayeva M.
<b>O'qituvchilar</b>	Jo'rayeva M.

Instructor(s)	
<b>Yordamchilar</b> Asistant(s)	

<b>Fanni o'qitishdan maqsad</b> Course objectives	Namuna olish va tanlash taqsimoti, qarorlar nazariyasi, prognozlash, gipoteza testlari, parametrik bo'lmagan testlar, dispersiya tahlili, Chi-kvadrat testlari, regressiya va korrelyatsiya tahlili. Sampling and sampling distribution, decision theory, forecasting, tests of hypothesis, nonparametric tests, variance analysis, Chi-square tests, regression and correlation analysis.
<b>Fanning mazmuni</b> Course content	Namuna olish va tanlash taqsimoti, qarorlar nazariyasi, prognozlash, gipoteza testlari, parametrik bo'lmagan testlar, dispersiya tahlili, Chi-kvadrat testlari, regressiya va korrelyatsiya tahlili. Sampling and sampling distribution, decision theory, forecasting, tests of hypothesis, nonparametric tests, variance analysis, Chi-square tests, regression and correlation analysis.
<b>Tavsiya qilingan yoki talab qilinadigan adabiyotlar ro'yxati</b> Recommended Or Required Reading	<ol style="list-style-type: none"> <li>1. Orhunbilge (2000)</li> <li>2. Newbold (2000)</li> <li>3. James McClave, Terry Sincich Statistics. Textbook. USA. 2017 p.</li> <li>4. Daris Singpurwalla A Handbook of statistics: an Overview of Statistical Methods 1 st edition. 2017 year.</li> <li>5. Ayubjonov A.X., Soatov N.M., Nabiev X. Statistika. Darslik - T.: 2019 yil, 814 garov</li> <li>6. Ayubjonov A.X., Soatov N.M., Nabiev X. Statistika. Darslik - T.: 2019 yil, 433 garov</li> <li>7. Soatov N.M., Nabiyev X., Nabiyev D.X., Tillxo'jaeva G.N. statistika. Darslik. – T.: TDIU, 2011. – 546 garov.</li> <li>8. Abdullaev Y. Nazariyasi statistikasi. darslik. - T.: O'qituvchi, 2002. - 647 b.</li> <li>9. Tillaxo'jayeva G.N. Statistika nazariyasi. Darslik. – T.: TDIU, 2005. – 248 bet.</li> </ol>
<b>Tavsiya etilgan qo'shimcha dastur komponentlari</b> Recommended Optional Program Components	Yo'q\ (bor bolsa yoziladi)  None
<b>Kursni o'rganish natijalari</b> Course learning outcomes	
1	Kursning natijasi biznes hayotida tez-tez qo'llaniladigan statistik usullardan foydalanishdir. Course outcome is to use the statistical techniques which is often used in business life
2	Biznes statistikasining asosiy tushunchalarini o'rganish. To learn the fundamental concepts of business statistics
3	Miqdoriy qobiliyatlarni oshirish. To enhance quantitative abilities
4	Ushbu jarayondan olingan natijalarni sharhlang. Interpret results provided from this process.

5	Biznes muammolarini statistik usullar bilan hal qila olish. To be able to solve business problems with statistical methods
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<b>Haftalik mavzular va tegishli tayyorgarlik ishlari</b> Weekly Subjects and Related Preparation Studies		
<b>Hafta</b> Week	<b>Mavzular</b> Themes	<b>Resurslar</b> Related preparation
1.	Namuna olish nazariyasi; tushuncha, aholi va statistika. Sampling theory, concept, population and statistic.	Orhunbilge (2000), 1-11
2.	Namuna olish texnikasi, oddiy tasodifiy tanlama, qatlamli tanlama, sistematik tanlama, klaster tanlama, standart xato. Sampling technics, simple random sampling, stratified sampling, systematic sampling, cluster sampling, standart error.	Orhunbilge (2000), 12-28
3.	Namuna taqsimoti, markaziy chegara teoremasi. Sampling distributions, The central limit theorem.	Newbold (2000), 243-273
4.	Baholash nazariyasi, nuqta va intervallarni baholash. Estimation theory, point and interval estimation.	Newbold (2000), 283-298
5.	Vositalarni baholash, populyatsiya parametrini intervalli baholash. The estimation of means, interval estimation of population parameter.	Orhunbilge (2000), 41-85
6.	Gipoteza testlari, ta'riflar, nol va muqobil gipotezalar, I turdagi xato, II turdagi xato. Tests of hypotheses, definitions, null and alternative hypotheses, Type I error, Type II error.	Orhunbilge (2000), 131-140
7.	Ahamiyatlilik testlari, populyatsiya o'rtacha va populyatsiya nisbati gipoteza testlari. Significance tests, hypotheses tests of population mean and population proportion.	Orhunbilge (2000), 141-169
8.	Ahamiyatlilik testlari, populyatsiya o'rtacha va populyatsiya nisbati gipoteza testlari. Significance tests, hypotheses tests of population mean and population proportion.	
9.	Kichik tanlama, t taqsimoti, erkinlik darajasi, populyatsiyaning o'rtacha qiymatini intervalli baholash.	Orhunbilge (2000), 204-225

	Small sampling, t distribution, degree of freedom, interval estimation of population mean.	
10.	Chi-kvadrat testi va favqulodda vaziyatlar jadvallarini tahlil qilish. The Chi- square test and the analysis of contingency tables.	Orhunbilge (2000), 248-255
11.	Chi-kvadrat taqsimoti, muvofiqlik testi, Mustaqillik testi. The Chi-square distribution, Goodness of fit test, Independence test.	Orhunbilge (2000), 255-275
12.	Test F. F test.	Orhunbilge (2000), 278-285
13.	Variant tahlili. Variance analysis.	Newbold (2000), 671-684
14.	Regressiya, egri chiziqni moslashtirish, regressiya tahlili, chizikli regressiya, ko'p regressiya. Regression, curve fitting, regression analysis, linear regression, multiple regression.	Newbold (2000), 477-534
15.	Regressiya, egri chiziqni moslashtirish, regressiya tahlili, chizikli regressiya, ko'p regressiya. Regression, curve fitting, regression analysis, linear regression, multiple regression.	Newbold (2000), 601-660

<b>Baholash jarayoni</b> Evaluation System		
<b>Mashg'ulot turi</b> Activities	<b>Soni</b> Number	<b>Baholash</b> Percentage of Grade
<b>Darsga qatnashish</b> Attendance / participation	15	20
<b>Laboratoriya ishi</b> Laboratory		
<b>Amaliy ish (qo'shimcha vazifa)</b> Application		
<b>Kurs ishi</b> Field work		
<b>Maxsus kurs amalyoti (ish joyida)</b> Special course internship (work placement)		
<b>Testlar</b> Quizzes / studio critics		
<b>Uyga vazifani baholash</b> Homework assignments		
<b>Ijodiy ish (taqdimot)</b> Presentations / jury		

<b>Loyiha ishi</b> Project		
<b>Seminar</b> Seminar / workshop		
<b>Oraliq nazorat</b> Mid -Terms	2	30
<b>Yakuniy nazorat</b> Final	1	50
<b>O'zlashtirish ko'rsatgichi</b> Percentage of in – term studies		50
<b>Yakuniy imtihon bahosi</b> Percentage of final examination		50
<b>Jami</b> Total		100

<b>ECTS taqsimoti</b> ECTS workload table			
<b>Topshiriqlar</b> Activities	<b>Soni</b> Number	<b>Davomiyligi (soat)</b> Duration (hour)	<b>Umumiy yuklama</b> Total workload
<b>Mashg'ulot soati</b> Course hours	15	3	45
<b>Laboratoriya ishi</b> Laboratory			
<b>Amaliy ish (qo'shimcha vazifa)</b> application			
<b>Kurs ishi</b> Field work			
<b>Mustaqil ta'lim</b> Study hours out of class	15	7	105
<b>Maxsus kurs amalyoti (ish joyida)</b> Special course internship (work placement)			
<b>Uyga vazifani baholash</b> Homework assignments			
<b>Testlar / Viktorina</b> Quizzes / studio critics			
<b>Loyiha ishi</b> Project			
<b>Ijodiy ish (taqdimot)</b> Presentations / seminar			
<b>Oraliq nazorat</b> Mid – terms (Examination +Examination prep. Duration)			
<b>Yakuniy nazorat (nazorat va nazoratga tayyorlanish soati)</b>			

Final (examination +examination prep. Duration)		
<b>Jami yuklama</b> Total workload		150
<b>Jami yuklama / 30 (soat)</b> Total workload / 30(h)		5
<b>Kredit</b> ECTS credit		5

<b>Qo'shimcha eslatmalar</b> Extra Notes	Yo'q\ (bor bolsa yoziladi) None
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Fan dasturi Samarqand davlat arxitektura qurilish universiteti  
Kengashning 2024 yil 30 - avgustdagi 1 -sonli yigilishi qarori  
bilan ma'qullangan.

**Kafedra mudiri v.b.:**



**M.Sh.Komilova**

**Tuzuvchilar:**



**M.Jo'rayeva**