O'ZBEKISTON RESPUBLIKASI OLIY TA'LIM, FAN VA INNOVATSIYALAR VAZIRLIGI
MIRZO ULUG'BEK NOMIDAGI SAMARQAND DAVLAT ARXITEKTURA QURILISH UNIVERSITETI

"TASDIQLAYMAN"
Mirzo Ulug'bek nomidagi
Samarqand davlat arxitektura qurilish
universiteti rektori
Ch.J.Turkyilmaz
2024-yil « »
1- Year - Fall Semester
1. Kurs - Kuzgi Semestr

ISHCHI O'QUV REJA
Ta'lim yo'nalishi:
60713400 - Atrof-muhit muhandisligi
Environmental engineering

Akademik daraja – BAKALAVR
O'qish muddati - 4 yil
Ta'lim shakli – kunduzgi
2024-2025 o'quv yili 2-kurs

1-Semestrda auditoriya mashg'ulotlari haftalarining soni (15-hafta)

Kod	Old Shart	Fan	Course	Le	A	La	K
ATM1010		Atrof-muhit muhandisligiga kirish	Introduction to Environmental Engineering	2	0	0	3
FIZ1010		Fizika 1	Physics 1	3	0	2	5
GUM4005		Jismoniy tarbiya va ruhiy salomatlik 1	Exercise and Mental Health 1	0	2	0	0
KIM1040		Umumiy kimyo	General Chemistry	3	0	2	5
KRM1030		Kompyuter ilmiga kirish	Introductory Computer Sciences	2	2	0	4
MAT1030		Matematika 1	Mathematics 1	3	2	0	6
OZT1010		O'zbekiston tarixi 1	History of Uzbekistan 1	2	0	0	2
ZAD1010		Ingliz tili 1	English 1	3	0	0	3
OZDX001		O'zbek Tili	Uzbek Language	2	0	0	2
		Jami semestr	**Semester Total**	**20**	**6**	**4**	**30**

1. Year - Spring Semester
1. Kurs - Bahorgi Semestr

2-Semestrda auditoriya mashg'ulotlari haftalarining soni (15-hafta)

Kod	Old Shart	Fan	Course	Le	A	La	K
ATM1050		Ekologiya	Ecology	2	0	0	3
ATM1060		Texnik chizma va muhandislik geometriyasi	Technical Drawing and Design Geometry	2	2	0	5
FIZ1020		Fizika 2	Physics 2	3	0	2	5
GUM3200		Falsafaga kirish	Introduction to Philosophy	2	0	0	2
GUM4015		Jismoniy tarbiya va ruhiy salomatlik 2	Exercise and Mental Health 2	0	2	0	0
MAT1040		Matematika 2	Mathematics 2	3	2	0	6
ZAD1020		Ingliz tili 2	English 2	3	0	0	3
ATM1040		Kasbiy Tanlov – 1-1	Occupational Elective – 1-1	3	0	0	4
OZDX001		O'zbek Tili	Uzbek Language	2	0	0	2
		Jami semestr	**Semester Total**	**20**	**6**	**2**	**30**

2. Year - Fall Semester
2. Kurs - Kuzgi Semestr

3-Semestrda auditoriya mashg'ulotlari haftalarining soni (15-hafta)

Kod	Old Shart	Fan	Course	Le	A	La	K
ATM2050		Atrof-muhit kimyosi 1	Environmental Chemistry 1	2	0	2	4
ATM2090		Atrof-muhit muhandisligidagi suyuqlik mexanikasi	Fluid Mechanics in Environmental Engineering	2	2	0	5
KRM2130		Materialshunoslik va muhandislik	Material Science and Engineering	3	0	0	4
KRM2140		Statika - Materiallar qarshiligi	Statics-Strength of Materials	2	2	0	5
MAT2120		Differentsial tenglamalar	Differential Equations	4	0	0	5
ATMX002		Kasbiy Tanlov – 2-1	Occupational Elective – 2-1	3	0	0	4
ITFX001		Ijtimoiy Tanlov-1-1	Social Elective1-1	3	0	0	3
		Jami semestr	**Semester Total**	**19**	**4**	**2**	**30**

2. Year - Spring Semester
2. Kurs - Bahorgi Semestr

4-Semestrda auditoriya mashg'ulotlari haftalarining soni (15-hafta)

Kod	Old Shart	Fan	Course	Le	A	La	K
ATM2010		Amaliyot 1	Practical Training	0	0	0	3
ATM2060		Atrof-muhit kimyosi 2	Environmental Chemistry 2	2	0	2	6
ATM2070		Atrof-muhit mikrobiologiyasi	Environmental Microbiology	2	0	2	5
ATM2100		Atrof-muhit muhandisligida gidravlika	Hydraulics in Environmental Engineering	2	2	0	5
KRM3290		Gruntlar mexanikasi va poydevor muhandisligi	Soil Mechanics and Foundation Engineering	2	0	2	4
ATMX003		Kasbiy Tanlov – 3-1	Occupational Elective – 3-1	2	0	0	3
ATMX004		Kasbiy Tanlov – 4-1	Occupational Elective – 4-1	3	0	0	4
		Jami semestr	**Semester Total**	**13**	**2**	**6**	**30**

3. Year - Fall Semester
3. Kurs - Kuzgi Semestr

5-Semestrda auditoriya mashg'ulotlari haftalarining soni (15-hafta)

Kod	Old Shart	Fan	Course	Le	A	La	K
ATM3010		Qattiq chiqindilarni boshqarish	Solid Waste Management	3	0	0	5
ATM3040		Kimyoviy tozalash usullari	Chemical Unit Operations	3	0	0	5
ATM3060		Jismoniy birlik operatsiyalari	Physical Unit Operations	3	0	0	5
ATM3070		Suv ta'minoti	Water Supply	2	2	0	5
ATM3090		Havoning ifloslanishi	Air Pollution	3	0	0	4
ITFX001		Ijtimoiy Tanlov-1-2	Social Elective-1-2	3	0	0	3
ITFX001		Ijtimoiy Tanlov-1-3	Social Elective-1-3	3	0	0	3
		Jami semestr	**Semester Total**	**20**	**2**	**0**	**30**

3. Year - Spring Semester
3. Kurs - Bahorgi Semestr

6-Semestrda auditoriya mashg'ulotlari haftalarining soni (15-hafta)

Kod	Old Shart	Fan	Course	Le	A	La	K
ATM3020		Amaliyot 2	Practical Training 2	0	0	0	3
ATM3030		Suv sifatining nazorati	Water Quality Control	3	0	0	3
ATM3050		Atrof-muhit to'g'risidagi qonunlar	Environmental Law	2	0	0	2
ATM3080		Oqova suvlarni oqizish	Removal of Wastewater	2	2	0	5
ATM3100		Havoning ifloslanishini nazorat qilish	Air Pollution Control	2	2	0	5
ATM3120		Ichimlik suvlarini tayyorlash texnologiyasi	Treatment of Drinking Waters	2	2	0	5
ATM3130		Laboratoriya qurilmalaridan foydalanish	Unit Operations Laboratuary	0	0	2	2
ATM3140		Biologik tozalash usullari	Biological Unit Operation	3	0	0	5
		Jami semestr	**Semester Total**	**14**	**6**	**2**	**30**

4. Year - Fall Semester
4. Kurs - Kuzgi Semestr

7-Semestrda auditoriya mashg'ulotlari haftalarining soni (15-hafta)

Kod	Old Shart	Fan	Course	Le	A	La	K
ATM4020		Ekologik loyihalash	Design Project	2	2	0	4
ATM4030		Sanoat ifloslanishini nazorat qilish	Industrial Pollution Control	4	0	0	3
ATM4060		Oqova suvlarni tozalash	Wastewater Treatment	2	2	0	5
KRM4490		Mehnatni muhofaza qilish va xavfsizlik 1	Occupational Health and Safety 1	2	0	0	2
ATMX005		Kasbiy Tanlov – 5-1	Occupational Elective – 5-1	2	0	0	4
ATMX005		Kasbiy Tanlov – 5-2	Occupational Elective – 5-2	2	0	0	4
ATMX005		Kasbiy Tanlov – 5-3	Occupational Elective – 5-3	2	0	0	4
ATMX005		Kasbiy Tanlov – 5-4	Occupational Elective – 5-4	2	0	0	4

		Jami semestr	Semester Total	18	4	0	30

4. Year - Spring Semester
4. Kurs - Bahorgi Semestr
8-Semestrda auditoriya mashg'ulotlari haftalarining soni (15-hafta)

Kod	Old Shart	Fan	Course	Le	A	La	K
ATM4010		Bitiruv malakaviy ishlari	Graduation Thesis	0	8	0	8
KRM4500		Mehnatni muhofaza qilish va xavfsizlik 2	Occupational Health and Safety 2	2	0	0	2
ATMX006		Kasbiy Tanlov – 6-1	Occupational Elective – 6-1	2	0	0	4
ATMX006		Kasbiy Tanlov – 6-2	Occupational Elective – 6-2	2	0	0	4
ATMX006		Kasbiy Tanlov – 6-3	Occupational Elective – 6-3	2	0	0	4
ATMX007		Kasbiy Tanlov – 7-1	Occupational Elective – 7-1	3	0	0	4
ATMX007		Kasbiy Tanlov – 7-2	Occupational Elective – 7-2	3	0	0	4
		Jami semestr	Semester Total	14	8	0	30
		Jami	Total	138	38	16	240

Occupational Elective – 1
Kasbiy Tanlov - 1

Kod	Old Shart	Fan	Course	Le	A	La	K
ATM1040		Raqamli tahlil	Numerical Analysis	3	0	0	4
URB2040		Shahar iqtisodiyoti	Urban Economics	3	0	0	4

Occupational Elective – 2
Kasbiy Tanlov - 2

Kod	Old Shart	Fan	Course	Le	A	La	K
ATM2080		Statistika	Statistics	3	0	0	4
KRM2150		Muhandislikda ehtimollik va ishonchlilik	Probability and Reliability in Engineering	3	0	0	4

Occupational Elective - 3
Kasbiy Tanlov - 3

Kod	Old Shart	Fan	Course	Le	A	La	K
ATM2020		Atrof-muhit muhandisligi termodinamikasi	Environmental Engineering Thermodynamics	2	0	0	3
ATM2030		Atrof-muhit muhandisligidagi stoichiometrik hisob-kitoblar	Stoichiometric Calculations in Environmental Engineering	2	0	0	3

Occupational Elective - 4
Kasbiy Tanlov - 4

Kod	Old Shart	Fan	Course	Le	A	La	K
ATM2040		Atrof-muhit muhandisligida gidrologiya	Hydrology in Environmental Engineering	3	0	0	4
KRM4110		Drenaj texnikasi	Drainage Technique	3	0	0	4

Occupational Elective – 5
Kasbiy Tanlov - 5

Kod	Old Shart	Fan	Course	Le	A	La	K
ATM4100		Atrof-muhit va sog'liqni saqlash	Environmental and Public Health	2	0	0	4
ATM4120		Atrof-muhit iqtisodiyoti	Environmental Economy	2	0	0	4
ATM4140		Atrof-muhit muhandisligida proektlash va hujjatlashtirish	Projection and Application in Environmental Engineering	2	0	0	4
ATM4160		Qayta tiklanadigan energiya tizimlari	Renewable Energy Systems	2	0	0	4
ATM4180		Havo ifloslanish meteorologiyasi	Air Pollution Meteorology	2	0	0	4
ATM4200		Kompostlash	Composting	2	0	0	4
ATM4220		Qattiq chiqindilar qayta ishlash tizimlari	Solid Waste Recycling Systems	2	0	0	4
ATM4260		Dengizdagi tashqi sistemalar	Marine Outfall Systems	2	0	0	4

ATM4280		Qattiq maishiy chiqindilarni oqizish nazorati	Municipal Solid Waste Leachate Control	2	0	0	4
ATM4290		Membrana ilovalari	Membrane Applications	2	0	0	4
ATM4300		Sanoat havosini ifloslanishini nazorat qilish	Industrial Air Pollution Control	2	0	0	4
ATM4370		Atrof-muhit muhandisligida kompyuter dasturlari	Computer Applications in Environmental Engineering	2	0	0	4
ATM4380		Dengiz ifloslanishi	Marine Polllution	2	0	0	4
ATM4390		Tabiiy tozalalash usullari	Natural Treatment	2	0	0	4
ATM4400		Qattiq chiqindilarni yo'q qilish uchun biologik usullar	Biological Methods for Solid Waste Disposal	2	0	0	4
ATM4410		Integratsiyalangan suv havzasi boshqaruvi	Integrated Watershed Management	2	0	0	4

Occupational Elective - 6

Kasbiy Tanlov - 6

Kod	Old Shart	Fan	Course	Le	A	La	K
ATM4040		Atrof-muhitni modellashtirish	Environmental Modelling	2	0	0	4
ATM4050		Atrof-muhit muhandisligini avtomatlashtirish	Automation in Environmental Enginering	2	0	0	4
ATM4110		Atrof-muhit muhandisligida geotexnika dasturlari	Geotechnical Applications in Environmental Engineering	2	0	0	4
ATM4130		Atrof-muhit muhandisligiga professional dasturlar	Professional Applications for Environmental Engineering	2	0	0	4
ATM4150		Atrof-muhitga ta'sirni baholash	Environmental Impact Assessment	2	0	0	4
ATM4170		Faollangan loy mikrobiologiyasi	Microbiology of Activated Sludge	2	0	0	4
ATM4190		Kanalizatsiyani loyqalanishdan tozalash	Sewage Sludge Treatment	2	0	0	4
ATM4210		Ko'l ifloslanishining ekologik jihati	Environmental Aspect of Lake Pollution	2	0	0	4
ATM4250		Tozalash tizimlari uskunalari	Treatment Systems Equipment	2	0	0	4
ATM4270		Tuproq va yer osti suvlari ifloslanishi	Soil and Groundwater Pollution	2	0	0	4
ATM4310		Ilg'or oqimlarni tozalash texnologiyalari	Advanced Wastewater Treatment Technologies	2	0	0	4
ATM4340		Qattiq chiqindilarni yo'q qilish uchun issiqlik usullari	Thermal Methods for Solid Waste Disposal	2	0	0	4
ATM4350		Ifloslangan tuproqlarni takomillashtirish	Improvement of Contaminated Soils	2	0	0	4
ATM4360		Chiqindilarni boshqarish va qayta ishlash	Waste management and recycling	2	0	0	4
ATM4420		Qattiq chiqindilarni qayta ishlash uskunalari	Solid Waste Processing Facilities	2	0	0	4
ATM4450		Havoning ifloslanishida namuna olish va o'lchash usullari	Sampling and Measurement Methods in Air Pollution	2	0	0	4
ATM4460		Havoning ifloslanishi modellash	Air Pollution Modelling	2	0	0	4
ATM4470		Quvur vodorodidagi raqamli texnika	Numerical Techniques in Pipe Hydrogen	2	0	0	4

ccupational Elective - 7

Kasbiy Tanlov - 7

Kod	Old Shart	Fan	Course	Le	A	La	K
BIZ1070		Xulq-atvor ilmi	Behavior Science	3	0	0	4
GEO3140		Topografiya	Topography	3	0	0	4
GEO4230		Muhandislar uchun geografik ma'lumotlar tizimlari	Geographic Information Systems for Engineers	3	0	0	4
KIM4730		Elektrokimyoviy jarayonlar	Electrochemical Processes	3	0	0	4
KRM2040		Atrof-muhit geologiyasi	Environmental Geology	3	0	0	4
KRM3260		Tuzilish texnologiyalari	Structure Technologies	3	0	0	4
KRM4450		Gidrotexnik muhandislikning tuzilishi	Structure Systems of Hydraulic Engineering	3	0	0	4
MAT4340		Operatsion tadqiqotlar	Operational Research	3	0	0	4
TMF2164		Polimershunislik va texnologiyalar	Polymer Science and Technology	3	0	0	4

Uzbek Language

O'zbek Tili

Kod	Old Shart	Fan	Course	Le	A	La	K
OZD1010		O'zbek tili 1	Uzbek Language 1	2	0	0	2
OZD1020		O'zbek tili 2	Uzbek Language 2	2	0	0	2
OZD2210		O'zbek tilini o'qitish bo'yicha adabiy matnlar	Uzbek Language Teaching Literary Texts	2	0	0	2
OZD2230		O'zbek tili tarixi	Uzbek Language History	2	0	0	2
OZD2240		Amaliy san'at	The Art of Applied	2	0	0	2
OZD4030		Notiqlik va diksiya	Oratory and Diction	2	0	0	2
OZD4040		O'zbek hikoyasi va roman	Uzbek Story and Novel	2	0	0	2
OZD4050		Akademik o'zbek tili	Academic Uzbek	2	0	0	2
KNM 1		Kasbiy nutq madaniyati	Professional speech culture	2	0	0	2

Social Elective
Ijtimoiy Tanlov

Kod	Old Shart	Fan	Course	Le	A	La	K
YI 1		Yashil iqtisodiyot	Green economy	3	0	0	3
YTO'RK 1		Yangi tahrirdagi O'zbekiston Respublikasining Konstitutsiyasi	The new version of the Constitution of the Republic of Uzbekistan	3	0	0	3
DI		Dinshunoslik	Religious studies	3	0	0	3
ARX1110		San'at tarixi va arxitekturaga kirish	Introduction to History of Art and Architecture	3	0	0	3
RTI		Rus tili	Russian language	3	0	0	3
ARX2160		Arxitektura tarixi	History of Architecture	3	0	0	3
GEO2160		Geomatik muhandislik fanining tarixi	History of Geomatic Engineering Science	3	0	0	3
GRA4090		Eksperimental tipografiya	Experimental Typography	3	0	0	3
GUM3196		Sotsiologiya	Sociology	3	0	0	3
GUM3200		Falsafaga kirish	Introduction to Philosophy	2	0	0	2
GUM3224		Psixologiyaga kirish	Introduction to Psychology	3	0	0	3
GUM3244		Atrof muhit va ekologiya	Environment and Ecology	3	0	0	3
GUM3248		San'at tarixi	History of Art	3	0	0	3
GUM3252		Madaniyatlar tarixi	History of Civilizations	3	0	0	3
GUM3260		Inson huquqlari	Human Rights	3	0	0	3
GUM3264		Siyosiy falsafa	Political Philosophy	3	0	0	3
GUM3268		Ta'lim falsafasi	Philosophy of Education	3	0	0	3
GUM4180		Arxitektura tarixi	History of Architecture	3	0	0	3

MEH1010		Mehnat qonuni	Labor Law	3	0	0	3
MEH1020		Kasbiy salomatlik va xavfsizlik to'g'risidagi qonun	Occupational Health and Safety Law	3	0	0	3
MEM4130		Kulolchilik	Ceramics	3	0	0	3
ZAD4020		Nemis tili ko'nikmalari	German Language Skills	3	0	0	3
ZAD4040		Nemis tilida o'qish va gapirish	Reading &Speaking in German	3	0	0	3
ZAD4050		Biznes nemis tili	Business German	3	0	0	3

Strategik rivojlantirish bo'yicha birinchi prorektori _____ J.Qayumov

Yoshlar masalalari va ma'naviy-ma'rifiy
ishlar bo'yicha birinchi prorektor _____ H.R. Usedoo.

O'quv ishlari bo'yicha prorektor _____ M.T. Shodmongulse

Talabalar bo'lim boshlig'i _____ G.D. Isesfilse

Fakultet dekani _____ D. Turakulse