

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

MIRZO ULUG'BEK NOMIDAGI SAMARQAND DAVLAT ARXITEKTURA QURILISH UNIVERSITETI



ISHCHI O'QUV REJA
Ta'lim yo'nalishi:
60723300-Geomatika muhandisligi
Geomatic 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
FIZ1010		Fizika 1	Physics 1	3	0	2	5
GEO1015		Geomatika muhandisligiga kirish	Introduction to Cadastre Engineering	2	0	2	2
GEO1020		Texnik va geometrik chizmachilik loyihasi	Technical Drawing and Design Geometry	2	0	0	4
KIM1040		Umumiy kimyo	General Chemistry	3	2	0	5
MAT1030		Matematika 1	Mathematics 1	3	0	2	6
MAT1120		Chiziqli algebra	Linear Algebra	2	2	0	3
ZAD1010		Ingliz tili 1	English 1	3	0	0	3
OZDX001		O'zbek Tili	Uzbek Language	2	0	0	2
Jami semestr				20	4	6	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
FIZ1020		Fizika 2	Physics 2	3	0	2	5
GEO1030		Statistika	Statistics	3	0	0	3
GEO1040		Muhandislik hisoblari	Engineering Calculations	2	0	0	3
GEO1050		Kompyuter ilmiga kirish	Introductory Computer Sciences	2	2	0	4
GEO1060		Tadqiqot 1	Surveying 1	3	0	0	4
MAT1040		Matematika 2	Mathematics 2	3	2	0	6
ZAD1020		Ingliz II	English II	3	0	0	3
OZDX001		O'zbek Tili	Uzbek Language	2	0	0	2
Jami semestr				21	4	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
GEO2020		Geometrik geodeziya	Geometric Geodesy	3	0	0	4
GEO2030		Xatolar nazariyasi va parametrlarni baholash	Error Theory and Parameter Estimation	3	0	0	4
GEO2080		Tadqiqot 2	Surveying 2	3	0	0	4
GEO2090		Tadqiqotni hujjatlashtirish	Surveying Application	2	2	0	5
GEO2100		Kartografiya 1	Cartography 1	3	0	0	4
MAT2120		Differentsial tenglamalar	Differential Equations	4	0	0	5
OZT1010		O'zbekiston tarixi 1	History of Uzbekistan 1	2	0	0	2
GEOX001		Kasbiy Tanlov - 1	Occupational Elective - 1	2	0	0	2
Jami semestr				22	2	0	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
GEO2010		Malakaviy amaliyot 1	Professional Internship 1	0	0	0	3
GEO2040		Sun'iy yo'ldosh geodeziyasi	Satellite Geodesy	3	0	0	5
GEO2050		Geodezik asboblarning metrologiyasi	Adjustment Computation	3	0	0	5
GEO2060		Raqamli tasvirni qayta ishlash	Digital Image Processing	2	0	0	4
GEO2070		Tadqiqot -3	Surveying 3	3	0	0	4
GEO2110		Topografik xaritalarni tuzish	Topographic Mapping	4	0	0	5
GUM3200		Falsafaga kirish	Introduction to Philosophy	2	0	0	2
GEOX002		Kasbiy Tanlov - 2	Occupational Elective - 2	2	0	0	2
Jami semestr			Semester Total	19	0	0	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
GEO3060		Fizik geodeziya	Physical Geodesy	2	0	0	4
GEO3070		Fotogrammetriya asoslari	Fundamentals of Photogrammetry	2	0	0	3
GEO3080		Ilmiy tadqiqotlarga kirish	Introduction to Scientific Research	0	2	0	2
GEO3130		Muhandislik geodeziyasi	Engineering Surveying	4	0	0	4
GEO3180		Geografik axborot tizimlari 1	Geographic Information Systems 1	4	0	0	5
GEO3230		Mulk huquqi va kadastr	Property Law and Cadastre	4	0	0	5
GEOX003		Kasbiy Tanlov - 3	Occupational Elective - 3	3	0	0	4
ITFX001		Ijtimoiy Tanlov	Social Elective	3	0	0	3
Jami semestr			Semester Total	22	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
GEO3010		Malakaviy amaliyot 2	Professional Internship 2	0	0	0	3
GEO3020		Geodezik dala ishi	Field Work	2	2	0	6
GEO3170		Kartografiya 2	Cartography 2	2	0	0	3
GEO3190		Geografik Axborot tizimlari 2	Geographic Information Systems 2	4	0	0	3
GEO3220		Yer resurslarini optimallashtirish	Land Consolidation	2	0	0	3
GEO3240		Fotogrammetriya	Photogrammetry	4	0	0	3
GEOX004		Kasbiy Tanlov - 4	Occupational Elective - 4	3	0	0	6
GEOX005		Kasbiy Tanlov - 5	Occupational Elective - 5	2	0	0	3
Jami semestr			Semester Total	19	2	0	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
GEO4050		Masofadan sezgirlik	Remote Sensing	2	0	0	2
GEO4110		Ko'chmas mulkni baholash	Real Estate Valuation	2	0	0	2
GEO4170		Loyihalash 1 - Yo'l qurilishida geodezik ishlar	Design 1 - Road Project	2	2	0	5
GEO4240		Shahar yerlarini rivojlantirish	Urban Land Development	4	0	0	4
KRM4490		Mehnatni muhofaza qilish va xavfsizlik 1	Occupational Health and Safety 1	2	0	0	2
GEOX006		Kasbiy Tanlov - 6	Occupational Elective - 6	2	0	0	3
GEOX006		Kasbiy Tanlov - 6	Occupational Elective - 6	2	0	0	3
GEOX006		Kasbiy Tanlov - 6	Occupational Elective - 6	2	0	0	3
GEOX006		Kasbiy Tanlov - 6	Occupational Elective - 6	2	0	0	3

GEOX007		Kasbiy Tanlov - 7	Occupational Elective - 7	2	0	0	3
		Jami semestr	Semester Total	22	2	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
GEO4180		Loyihalash 2 - Rekonstruksiyalash dasturlari	Design 2 - Reconstruction Application	1	2	0	5
GEO4320		Diplom loyiha ishi	Graduation Thesis	0	8	0	8
KRM4500		Mehnatni muhofaza qilish va xavfsizlik 2	Occupational Health and Safety 2	2	0	0	2
GEOX008		Kasbiy Tanlov - 8	Occupational Elective - 8	2	0	0	3
GEOX008		Kasbiy Tanlov - 8	Occupational Elective - 8	2	0	0	3
GEOX008		Kasbiy Tanlov - 8	Occupational Elective - 8	2	0	0	3
GEOX008		Kasbiy Tanlov - 8	Occupational Elective - 8	2	0	0	3
GEOX009		Kasbiy Tanlov - 9	Occupational Elective - 9	1	2	0	3
		Jami semestr	Semester Total	12	12	0	30
		Jami	Total	157	28	8	240

O'zbek tili

Uzbek language

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
OZD4020		Nutq uslubi	Speech Techniques	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

Occupational Elective – 1

Kasbiy Tanlov - 1

Kod	Old Shart	Fan	Course	Le	A	La	K
GEO2120		Kasbiy ingliz tili 1	Vocational English 1	2	0	0	2
ZAD2010		Ingliz tilida o'qish va gapirish	Reading and Speaking in English	2	0	0	2

Occupational Elective – 2

Kasbiy Tanlov - 2

Kod	Old Shart	Fan	Course	Le	A	La	K
GEO2130		Kasbiy ingliz tili 2	Occupational English 2	2	0	0	2
GEO2140		Geomatikada loyihalarni boshqarish	Project Management in Geomatics	2	0	0	2
GEO2150		Kasbiy standartlar va tashkilot	Occupational Standards and Organization	2	0	0	2

Occupational Elective – 3

Kasbiy Tanlov – 3

Kod	Old Shart	Fan	Course	Le	A	La	K
BIZ1060		Biznesga kirish	Introduction to Business	3	0	0	4
GEO3100		Geografik ma'lumotlar bilan tanishuv	Introduction to Geospatial Data Mining	3	0	0	4
MAT4340		Operatsion tadqiqotlar	Operational Research	3	0	0	4

Occupational Elective – 4

Kasbiy Tanlov – 4

Kod	Old	Fan	Course	Le	A	La	K
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	Shart						
GEO3120		Raqamli tahlil	Numerical Analysis	3	0	0	6
MAT2260		Chekli element usuli bilan tanishish	Introduction to Finite Element Method	3	0	0	6
MAT3450		Vaqt ketma-ketligini tahlil qilish	Time Series Analysis	3	0	0	6

Occupational Elective – 5
Kasbiy Tanlov - 5

Kod	Old Shart	Fan	Course	Le	A	La	K
GEO3030		Geodeziyada hisoblash dasturi	Programming in Geodetic Calculus	2	0	0	3
GEO3050		Geodezik astronomiya	Geodetic Astronomy	2	0	0	3
GEO3090		Rasmni qayta ishlash algoritmlarini dasturlash	Programming of image processing algorithms	2	0	0	3
GEO3110		Geodezik metrologiya	Geodetic Metrology	2	0	0	3
GEO3150		Gidrografik taqdimot	Hydrographic Surveying	2	0	0	3
GEO3200		GAT-dagi dasturlash	Programming in GIS	2	0	0	3
GEO3210		Mobil GAT va kartografiya	Mobile GIS and Cartography	2	0	0	3

Occupational Elective – 6
Kasbiy Tanlov - 6

Kod	Old Shart	Fan	Course	Le	A	La	K
GEO4030		Koordinatalar tizimlari	Coordinate Systems	2	0	0	3
GEO4120		Maxsus tadqiqotlar	Special Surveying	2	0	0	3
GEO4150		Konchilik tadqiqoti	Mining Surveying	2	0	0	3
GEO4190		Veb-GAT va kartografiya	Web GIS and Cartography	2	0	0	3
GEO4250		Yerni boshqarish 1	Land Management 1	2	0	0	3

Occupational Elective – 7
Kasbiy Tanlov - 7

Kod	Old Shart	Fan	Course	Le	A	La	K
GEO4010		Internetga asoslangan geografik axborot tizimlari	Web Based Geographic Information Systems	2	0	0	3
GEO4020		Tasvir tahlili	Image Analysis	2	0	0	3
GEO4090		Fotolar	Close Range Photogrammetry	2	0	0	3
GEO4140		Deformatsiya o'lchovlari	Deformation Measurements	2	0	0	3
GEO4220		Yerni boshqarish 2	Land Management 2	2	0	0	3
GEO4270		Texnik infratuzilmani o'rganish	Technical infrastructure surveying	2	0	0	3
GEO4290		Geodeziyada tanlangan mavzular	Selected Topics in Geodesy	2	0	0	3

Occupational Elective – 8
Kasbiy Tanlov - 8

Kod	Old Shart	Fan	Course	Le	A	La	K
GEO4070		Veb-ga asoslangan GPSni qayta ishlash	Web Based GPS Processing	2	0	0	3
GEO4080		Masofaviy sensorlarli zondlash	Remote Sensing Sensors	2	0	0	3
GEO4130		Navigatsiya va kinematik pozitsiya	Navigation And Kinematic Positioning	2	0	0	3
GEO4210		Yer ma'lumotlarini boshqarish tizimlari	Land Information Management Systems	2	0	0	3
GEO4260		GAT va geohisoblash	GIS and Geocomputation	2	0	0	3

Occupational Elective – 9
Kasbiy Tanlov - 9

Kod	Old Shart	Fan	Course	Le	A	La	K
GEO4040		Geodezik dastur	Geodetic Application	1	2	0	3
GEO4060		Masofadan zondlash ilovasi	Remote Sensing Application	1	2	0	3
GEO4160		Muhandislik bo'yicha tadqiqotlar	Engineering Surveying Application	1	2	0	3
GEO4200		Kartografiya va geoinformatika loyihasi	Cartography and Geoinformatics Project	1	2	0	3
GEO4280		Ko'chmas rivojlanish dasturi	Immovable Development Application	1	2	0	3

Social Choice
Ijtimoiy tanlov

Kod	Old	Fan	Course	Le	A	La	K
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	Shart						
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
RI		Rus tili	Russian language	3	0	0	3
ARX2150		Arxeologiya	Archeology	3	0	0	3
ARX2160		Arxitektura tarixi	History of Architecture	3	0	0	3
BIZ2180		Bevosita marketing	Direct Marketing	3	0	0	3
GRA4090		Eksperimental tipografiya	Experimental Typography	3	0	0	3
GUM1070		Grafik media-dizayn vositalari	Graphic Media Design Tools	3	0	0	3
GUM3196		Sotsiologiya	Sociology	3	0	0	3
GUM3240		Iqtisodiy jinoyatlar	Economic Crimes	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
GUM3276		Yozish texnologiyasi	Technics Of Writing	3	0	0	3
GUM4010		Tennis texnikasi va taktik ta'lim	Tennis Technic and Tactic Education	3	0	0	3
GUM4020		Asosiy suzish texnikasini o'rgatish	Education of Fundamental Swimming Techniques	3	0	0	3
GUM4175		Ijtimoiy tuzilmalar va tarixiy o'zgarishlar	Social Structures and Historical Transformations	3	0	0	3
GUM4180		Arxitektura tarixi	History of Architecture	3	0	0	3
KIM2020		Fan tarixi	History of Science	3	0	0	3
KTA2692		O'zbekiston geografiyasi va geosiyosat	Geography and geopolitics of Uzbekistan	3	0	0	3
KTA4090		Ta'limni boshqarish	Education management	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
URB2040		Shahar iqtisodiyoti	Urban Economics	3	0	0	3
ZAD4010		Nemis tilidagi ko'nikmalarga kirish	Introduction to German Language Skills	3	0	0	3
ZAD4020		Nemis tili ko'nikmalari	German Language Skills	3	0	0	3
ZAD4030		Ilg'or nemis tili	Advanced German	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. Rayunmov

Yoshlar masalalari va ma'naviy-
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