**O'ZBEKISTON RESPUBLIKASI OLIY TA'LIM, FAN VA INNOVATSIYALAR VAZIRLIGI**
**BUXORO DAVLAT UNIVERSITETI**

"TASDIQLAYMAN"
REKTOR:__________ O.X.XAMIDOV
__________ 2025 y.

# ISHCHI O'QUV REJA

Ta'lim yo'nalishi:
**60610200-Axborot xavfsizligi**
**(1-kurslar uchun 2025-2026 o'quv yili)**

AKADEMIK DARAJA - BAKALAVR
O'QISH SHAKLI - KREDIT TIZIMI
O'QISH MUDDATI - 4 YIL
TA'LIM SHAKLI - MASOFAVIY

## I. O'QUV JARAYONINING JADVALI

HAFTALAR

| Kurs | Sentyabr | | | | Oktyabr | | | | Noyabr | | | | | Dekabr | | | | | Yanvar | | | | Fevral | | | | Mart | | | | Aprel | | | | May | | | | | Iyun | | | | Iyul | | | | | Avgust | | | | O'quv jarayoni haftalari: Jami | shundan: Nazariy va amaliy ta'lim | Attestatsiyalar | Fanlarni tanlash uchun ro'yxatdan o'tish | Amaliyot | Yakuniy davlat attestatsiyasi | Ta'til haftalari | GPA ko'rsatkichini hisoblash | Hammasi |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | | | | | | | | | |
| I | FT | | | | | | | | | | | | | | | | A | T | T | A | | | | | | | | | | | | | | | | A | A | T | T | T | T | T | T | T | T | T | T | T | T | T | G | T | 35 | 30 | 4 | 1 | 0 | | 16 | 1 | 52 |
| II | FT | | | | | | | | | | | | | | | | A | T | T | A | | | | | | | | | | | | | | | | A | A | T | T | T | T | T | T | T | T | T | T | T | T | T | G | T | 35 | 30 | 4 | 1 | 0 | | 16 | 1 | 52 |
| III | FT | | | | | | | | | | | | | | | | A | T | T | A | | | | | | | | | | | | | | | | A | A | T | T | T | T | T | T | T | T | T | T | T | T | T | G | T | 35 | 30 | 4 | 1 | 0 | | 16 | 1 | 52 |
| IV | FT | | | | | | | | | | | | | | | | A | T | T | A | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | D | D | D | T | T | T | T | T | T | T | T | T | T | | | | | 36 | 15 | 2 | 1 | 15 | 3 | 12 | 0 | 48 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | JAMI | 141 | 105 | 14 | 4 | 15 | 3 | 60 | 3 | 204 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Nazariy va amaliy ta'lim | A | Attestatsiyalar | FT | Fanlarni tanlash uchun ro'yxatdan o'tish | M | Malakaviy amaliyot | D | Yakuniy davlat attestatsiyasi | T | Ta'til / yozgi semestr | G | GPA ko'rsatkichini hisoblash |

## I. O'QUV JARAYONI JADVALI

| T\r | Fanning malakaviy kodi | O'quv fanlari, bloklar va faoliyat turlarining nomlari | Talabaning o'quv yuklamasi, soatlarda | | | | | | | | | Soatlarning kurs, semestr va haftalar bo'yicha taqsimoti | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Kreditlarning kurs, semestr va haftalar bo'yicha taqsimoti | | | | | | | | Jami kreditlar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Umumiy yuklama hajmi | | Auditoriya mashg'ulotlari, soatlarda | | | | | | Mustaqil ta'lim | 1-KURS | | | | | | | | 2-KURS | | | | | | | | 3-KURS | | | | | | | | 4-KURS | | | | | | | | 1-kurs | | 2-kurs | | 3-kurs | | 4-kurs | | |
| | | | | | Jami | Ma'ruza | Amaliy | Laboratoriya | Seminar | Kurs ishi | | Kurslardagi haftalar soni | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Kurslardagi haftalar soni | | | | | | | | |
| | | | | | | | | | | | | 35 | | | | | | | | 35 | | | | | | | | 35 | | | | | | | | 36 | | | | | | | | 35 | | 35 | | 35 | | 36 | | |
| | | | | | | | | | | | | Semestrlar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Semestrlar | | | | | | | | |
| | | | | | | | | | | | | 1 | | | | 2 | | | | 3 | | | | 4 | | | | 5 | | | | 6 | | | | 7 | | | | 8 | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| | | | | | | | | | | | | Semestrdagi auditoriya mashg'ulotlari haftalarining soni | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Kreditlar taqsimoti | | | | | | | | |
| | | | soat | % | | | | | | | | 15 | | | | 15 | | | | 15 | | | | 15 | | | | 15 | | | | 15 | | | | 15 | | | | 15 | | | | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 240 |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | | 13 | | | | 14 | | | | 15 | | | | 16 | | | | 17 | | | | 18 | | | | 19 | | | | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| | | | | | | | | | | | | 24 | | | | 24 | | | | 24 | | | | 24 | | | | 24 | | | | 24 | | | | 24 | | | | 0 | | | | | | | | | | | | |
| **1.00** | | **MAJBURIY FANLAR** | **4500** | **0,00** | **1800** | **658** | **948** | **122** | **72** | **2 KI** | **2700** | **M** | **A** | **L** | **S** | **M** | **A** | **L** | **S** | **M** | **A** | **L** | **S** | **M** | **A** | **L** | **S** | **M** | **A** | **L** | **S** | **M** | **A** | **L** | **S** | **M** | **A** | **L** | **S** | **M** | **A** | **L** | **S** | **30** | **30** | **30** | **24** | **18** | **6** | **12** | **0** | **150** |
| 1.01 | UEY1104 | O'zbekistonning eng yangi tarixi | **120** | | 48 | 24 | | | 24 | | 72 | 24 | | | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | **4** |
| 1.02 | DIN1204 | Dinshunoslik | **120** | | 48 | 24 | | | 24 | | 72 | | | | | 24 | | | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | **4** |
| 1.03 | FAL1204 | Falsafa | **120** | | 48 | 24 | | | 24 | | 72 | | | | | 24 | | | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | **4** |
| 1.04 | XOT1108 | Xorijiy til 1,2 | **240** | | 96 | | 96 | | | | 144 | | 72 | | | | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | | | | | | **8** |
| 1.05 | HIS1112 | Hisob(Calculus) | **360** | | 144 | 72 | 72 | | | | 216 | 36 | 36 | | | 36 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | | | | | | | **12** |
| 1.06 | FIZ1110 | Fizika 1,2 | **300** | | 120 | 40 | | 80 | | | 180 | 20 | | 40 | | 20 | | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 4 | | | | | | | **10** |
| 1.07 | DIT1406 | Differensial tenglamalar | **180** | | 72 | 36 | 36 | | | | 108 | | | | | | | | | | | | | 36 | 36 | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | **6** |
| 1.08 | CHA1306 | Chiziqli algebra | **180** | | 72 | 36 | 36 | | | | 108 | | | | | | | | | 36 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | **6** |
| 1.09 | DAS1110 | Dasturlash 1,2 | **300** | | 120 | 48 | 72 | | | KI | 180 | 24 | 36 | | | 24 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 4 | | | | | | | **10** |
| 1.10 | AKY1104 | Akademik yozuv | **120** | | 48 | | 48 | | | | 72 | | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | **4** |
| 1.11 | MAB1306 | Ma'lumotlar bazasi | **180** | | 72 | 24 | 48 | | | KI | 108 | | | | | | | | | 24 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | **6** |
| 1.12 | KIA1406 | Kiberxavfsizlik asoslari | **180** | | 72 | 24 | 48 | | | | 108 | | | | | | | | | | | | | 24 | 48 | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | **6** |
| 1.13 | MTA1204 | Ma'lumotlar tuzilmasi va algoritmlar | **120** | | 48 | 24 | 24 | | | | 72 | | | | | 24 | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | **4** |
| 1.14 | EVS1306 | Elektronika va sxemalar | **180** | | 72 | 30 | | 42 | | | 108 | | | | | | | | | 30 | 42 | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | **6** |
| 1.15 | DIT1306 | Diskret tuzilmalar | **180** | | 72 | 24 | 48 | | | | 108 | | | | | | | | | 24 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | **6** |
| 1.16 | KOT1306 | Kompyuter tarmoqlari | **180** | | 72 | 24 | 48 | | | | 108 | | | | | | | | | 24 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | **6** |
| 1.17 | SIA1406 | Sun'iy intelekt asoslari | **180** | | 72 | 24 | 48 | | | | 108 | | | | | | | | | | | | | 24 | 48 | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | **6** |
| 1.18 | EVS1406 | Ehtimollik va statistika | **180** | | 72 | 36 | 36 | | | | 108 | | | | | | | | | | | | | 36 | 36 | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | **6** |
| 1.19 | INL1704 | Individual loyiha | **120** | | 48 | | 48 | | | | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | 48 | | | | | | | | | | | | | 4 | | **4** |
| 1.20 | KRU1506 | Kripotografiya usullari | **180** | | 72 | 24 | 48 | | | | 108 | | | | | | | | | | | | | | | | | 24 | 48 | | | | | | | | | | | | | | | | | | | 6 | | | | **6** |
| 1.21 | RIB1606 | Risklarni boshqarish | **180** | | 72 | 24 | 48 | | | | 108 | | | | | | | | | | | | | | | | | | | | | 24 | 48 | | | | | | | | | | | | | | | | 6 | | | **6** |
| 1.22 | FOB1506 | Foydalanishlarni boshqarish | **180** | | 72 | 24 | 48 | | | | 108 | | | | | | | | | | | | | | | | | 24 | 48 | | | | | | | | | | | | | | | | | | | 6 | | | | **6** |
| 1.23 | TAX1506 | Tarmoq xavfsizligi | **180** | | 72 | 24 | 48 | | | | 108 | | | | | | | | | | | | | | | | | 24 | 48 | | | | | | | | | | | | | | | | | | | 6 | | | | **6** |
| 1.24 | DVX1704 | Dasturiy vositalar xafvsizligi | **120** | | 48 | 24 | 24 | | | | 72 | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | | | | | | | | | | | | | 4 | | **4** |
| 1.25 | KVK1704 | Kiberhuquq va kiberetika | **120** | | 48 | 24 | 24 | | | | 72 | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | | | | | | | | | | | | | 4 | | **4** |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.00 | | TANLOV FANLARI | 1800 | | 720 | 360 | 360 | | 0 | | 1080 | | | | | | | | | | | | | 36 | 36 | | 0 | 60 | 84 | | 0 | 160 | 128 | | | 104 | 112 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 12 | 24 | 18 | 0 | 60 |
| | | Jami | 6300 | | 2520 | 1018 | 1308 | 122 | 72 | 2 KI | 3780 | 104 | 192 | 40 | 24 | 152 | 120 | 40 | 48 | 138 | 222 | 0 | 0 | 156 | 204 | 0 | 0 | 132 | 228 | 0 | 0 | 184 | 176 | 0 | 0 | 152 | 208 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 0 | 210 |
| | | Malakaviy amaliyot | 900 | | 0 | | | | | | 900 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 900 | | | | | | | | | | | 30 | 30 |
| | | Yakuniy davlat attestatsiyasi | 0 | | 0 | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| | | Jami | 900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 900 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 30 |
| | | Hammasi | 7200 | | 2520 | 1018 | 1308 | 122 | 72 | 2 KI | 4680 | 104 | 192 | 40 | 24 | 152 | 120 | 40 | 48 | 138 | 222 | 0 | 0 | 156 | 204 | 0 | 0 | 132 | 228 | 0 | 0 | 184 | 176 | 0 | 0 | 152 | 208 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 240 |

**Izoh:**

1) 1 kredit 30 akademik soatni tashkil qiladi.
2) GPA ko'rsatkichi avgust oyining uchinchi haftasida aniqlanadi.
3) O'quv reja asosida ishchi o'quv rejasini tuzishda talabalar yuklamasining haftalik hajmini saqlagan holda o'quv fanlari bloki hajmini 5 foizgacha, bloklar tarkibidagi fanlar hajmini 10 foizgacha o'zgartirish hamda auditoriya yuklamasining umumiy hajmini saqlagan holda ayrim semestrlarda haftalik yuklamalar hajmini erkin belgilash mumkin.
4) Yakuniy davlat attestatsiyasi muddatlari tarkibiga bitiruv malakaviy ishini himoya qilish ham kiradi.
5) O'quv rejaga kiritiladigan ixtisoslikka oid fanlarning amaliy mashg'ulotlari va laboratoriya ishlari oliy ta'lim muassasasi hamda bazaviy tashkilot va korxonalarda o'tkaziladi.
6) Nazariya va amaliyot yaxlitligini ta'minlash uchun talabalarning malakaviy amaliyotlari bazaviy tashkilot va korxonalarda o'tkaziladi.
7) Jismoniy tarbiya va sport fani fakultativ kurs sifatida talabaning ixtiyoriy tanlovi asosidagi sport seksiyalarida tashkil etiladi.

| O'quv jarayonining tarkibiy qismlari | Haftalar soni | Semestr | |
|---|---|---|---|
| Nazariy va amaliy ta'lim | 105 | 1–7 | Bitiruv malakaviy ishini himoya qilish yoki ixtisoslik fanlaridan Davlat attestatsiyasi |
| Attestatsiyalar | 14 | 1–7 | |
| Fanlarni tanlash uchun ro'yxatdan o'tish | 4 | 1, 3, 5, 7 | |
| Amaliyot | 15 | 8 | |
| Yakuniy davlat attestatsiyasi | 3 | 8 | |
| Ta'til haftalari | 60 | 1–8 | |
| GPA ko'rsatkichini hisoblash | 3 | 2, 4, 6 | |
| **Жами** | **204** | | |

**BuxDU o'quv ishlari bo'yicha prorektor** **R.G'. Jumayev** **O'quv-uslubiy departament boshlig'i** **S.S. Davlatov**

**Fizika matematika va axborot texnologiyalari fakulteti dekani** **H.O. Jo'rayev**

**Axborot tizimlari va raqamli texnologiyalari kafedrasi mudiri** **T.R. Shafiyev** **Amaliy matematika va dasturlash texnologiyalari kafedrasi mudiri** **O.I.Jalolov**