

**Rektor:**

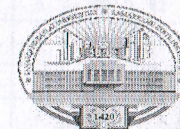
R.I.Xalmuradov

2023 yil « 28 » 128

O'ZBEKISTON RESPUBLIKASI OLIY TA'LIM, FAN VA INNOVATSIYALAR VAZIRLIGI  
SHAROF RASHIDOV NOMIDAGI SAMARQAND DAVLAT UNIVERSITETI

## O'OUV REJA

**Ta'lim yo'nalishi: 60610700 - Sun'iy intellekt (1-kurs)**



**Akademik daraja - BAKALAVR**  
**O'qish shakli – kredit tizimi**  
**Ta'lim shakli –kunduzgi**  
**O'qish muddati – 4 yil**  
**Kvalifikatsiya-Muhandis-dasturchi**

### I. O'OUV JARAYONI JADVALI

| O'QUV YILI HAFTALARI     |    |   |   |         |   |   |   |                 |    |    |    |        |    |    |    |                                          |    |    |    |             |    |    |    |                    |    |    |    |            |    |    |    |                    |    |    |    |           |    |    |    |                               |    |    |    |             |    |    |    |                      |    |    |    |     |                          |                                          |                 |                               |    |                  |    |     |                            |         |
|--------------------------|----|---|---|---------|---|---|---|-----------------|----|----|----|--------|----|----|----|------------------------------------------|----|----|----|-------------|----|----|----|--------------------|----|----|----|------------|----|----|----|--------------------|----|----|----|-----------|----|----|----|-------------------------------|----|----|----|-------------|----|----|----|----------------------|----|----|----|-----|--------------------------|------------------------------------------|-----------------|-------------------------------|----|------------------|----|-----|----------------------------|---------|
| Kunlar                   |    |   |   |         |   |   |   |                 |    |    |    |        |    |    |    |                                          |    |    |    |             |    |    |    |                    |    |    |    |            |    |    |    |                    |    |    |    |           |    |    |    |                               |    |    |    |             |    |    |    |                      |    |    |    |     | O'quv jarayoni haftalari |                                          |                 |                               |    |                  |    |     |                            |         |
|                          |    |   |   |         |   |   |   |                 |    |    |    |        |    |    |    |                                          |    |    |    |             |    |    |    |                    |    |    |    |            |    |    |    |                    |    |    |    |           |    |    |    |                               |    |    |    |             |    |    |    |                      |    |    |    |     | BMT                      | Shundan                                  |                 |                               |    | Ta'til haftalari |    |     | GPA ko'rsatkichi hisoblash | HAMMASI |
|                          |    |   |   |         |   |   |   |                 |    |    |    |        |    |    |    |                                          |    |    |    |             |    |    |    |                    |    |    |    |            |    |    |    |                    |    |    |    |           |    |    |    |                               |    |    |    |             |    |    |    |                      |    |    |    |     |                          | Nazariy va amaliy ta'lim                 | Attestatsiyalar |                               |    |                  |    |     |                            |         |
|                          |    |   |   |         |   |   |   |                 |    |    |    |        |    |    |    |                                          |    |    |    |             |    |    |    |                    |    |    |    |            |    |    |    |                    |    |    |    |           |    |    |    |                               |    |    |    |             |    |    |    |                      |    |    |    |     |                          | Fanlarni tanlash uchun ro'y xatda o'tish | Amaliyot        | Yakuniy davlat attestatsiyasi |    |                  |    |     |                            |         |
| Sentyabr                 |    |   |   | Oktyabr |   |   |   | Noyabr          |    |    |    | Dekabr |    |    |    | Yanvar-2024                              |    |    |    | Fevral-2024 |    |    |    | Mart-2024          |    |    |    | Aprel-2024 |    |    |    | May-2024           |    |    |    | Iyun-2024 |    |    |    | Iyul-2024                     |    |    |    | Avgust-2025 |    |    |    |                      |    |    |    |     |                          |                                          |                 |                               |    |                  |    |     |                            |         |
| 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 |   |   |         |   |   |   |                 |    |    |    |        |    |    |    | T                                        | T  | A  | A  |             |    |    |    |                    |    |    |    |            |    |    |    |                    |    | A  | A  | T         | T  | T  | T  | T                             | T  | T  | T  | T           | T  | T  | T  | G                    | T  | 35 | 30 | 4   | 1                        | 0                                        |                 | 16                            | 1  | 52               |    |     |                            |         |
| II                       | FT |   |   |         |   |   |   |                 |    |    |    |        |    |    |    | T                                        | T  | A  | 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 |   |   |         |   |   |   |                 |    |    |    |        |    |    |    | T                                        | T  | A  | A  |             |    |    |    |                    |    |    |    |            |    |    |    |                    |    | A  | A  | M         | M  | M  | M  | T                             | T  | T  | T  | T           | T  | T  | T  | T                    | G  | T  | 39 | 30  | 4                        | 1                                        | 4               |                               | 12 | 1                | 52 |     |                            |         |
| IV                       | FT |   |   |         |   |   |   |                 |    |    |    |        |    |    |    | T                                        | T  | A  | A  |             |    |    |    |                    |    |    | M  | M          | M  | M  | M  | M                  | M  | M  | A  | A         | D  | D  | D  | D                             | T  | T  | T  | T           | T  | T  | T  |                      |    |    |    |     |                          | 39                                       | 22              | 4                             | 1  | 8                | 4  | 9   | 0                          | 48      |
| JAMI                     |    |   |   |         |   |   |   |                 |    |    |    |        |    |    |    |                                          |    |    |    |             |    |    |    |                    |    |    |    |            |    |    |    |                    |    |    |    |           |    |    |    |                               |    |    |    |             |    |    |    |                      |    |    |    | 148 | 112                      | 16                                       | 4               | 12                            | 4  | 53               | 3  | 204 |                            |         |
|                          |    |   |   |         |   |   |   |                 |    |    |    |        |    |    |    |                                          |    |    |    |             |    |    |    |                    |    |    |    |            |    |    |    |                    |    |    |    |           |    |    |    |                               |    |    |    |             |    |    |    |                      |    |    |    |     |                          |                                          |                 |                               |    |                  |    |     |                            |         |
| Nazariy va amaliy ta'lim |    |   |   | A       |   |   |   | Attestatsiyalar |    |    |    | FT     |    |    |    | Fanlarni tanlash uchun ro'yxatdan o'tish |    |    |    | M           |    |    |    | Malakaviy amaliyot |    |    |    | P          |    |    |    | Pedagogik amaliyot |    |    |    | D         |    |    |    | Yakuniy davlat attestatsiyasi |    |    |    | T           |    |    |    | Ta'til/Yozgi semestr |    |    |    | G   |                          |                                          |                 | GPA ko'rsatkichini hisoblash  |    |                  |    |     |                            |         |

## II. O'QUV REJASI

| Kod       | Fan nomi                                                     | Sinov (S)/ imtihon (I) | Kredit | Soat | Auditoriya soatlari |         |        |              |         | Malakaviy amaliyot | Kurs ishi | Mustaqil ta'lim | Kod      | Fan nomi                 | Sinov (S)/ imtihon (I) | Kredit | Soat | Auditoriya soatlari |         |        |              |         | Malakaviy amaliyot | Kurs ishi | Mustaqil ta'lim |
|-----------|--------------------------------------------------------------|------------------------|--------|------|---------------------|---------|--------|--------------|---------|--------------------|-----------|-----------------|----------|--------------------------|------------------------|--------|------|---------------------|---------|--------|--------------|---------|--------------------|-----------|-----------------|
|           |                                                              |                        |        |      | Jami                | Ma'ruza | Amaliy | Laboratoriya | Seminar |                    |           |                 |          |                          |                        |        |      | Jami                | Ma'ruza | Amaliy | Laboratoriya | Seminar |                    |           |                 |
| 1-SEMESTR |                                                              |                        |        |      |                     |         |        |              |         |                    |           | 2-SEMESTR       |          |                          |                        |        |      |                     |         |        |              |         |                    |           |                 |
| XT1108    | Xorijiy til I-qism                                           | I                      | 4      | 120  | 48                  |         | 48     |              |         |                    |           | 72              | XT1208   | Xorijiy til II-qism      | I                      | 4      | 120  | 48                  |         | 48     |              |         |                    |           | 72              |
| O'EY1104  | O'zbekistonning eng yangi tarixi, Samarqand tamadduni tarixi | I                      | 4      | 120  | 48                  | 24      |        |              | 24      |                    |           | 72              | Fiz1210  | Fizika II-qism           | I                      | 4      | 120  | 48                  | 24      | 24     |              |         |                    |           | 72              |
| HC1106    | Hisob (Calculus)                                             | I                      | 6      | 180  | 84                  | 42      | 42     |              |         |                    |           | 96              | Das1212  | Dasturlash II-qism       | I                      | 6      | 180  | 90                  | 30      | 30     | 30           |         |                    | K         | 90              |
| Fiz1110   | Fizika I-qism                                                | I                      | 6      | 180  | 72                  | 36      | 36     |              |         |                    |           | 108             | Din1204  | Dinshunoslik             | I                      | 4      | 120  | 48                  | 24      |        |              | 24      |                    |           | 72              |
| Das1112   | Dasturlash I-qism                                            | I                      | 6      | 180  | 90                  | 30      | 30     | 30           |         |                    |           | 90              | Fal1204  | Falsafa                  | I                      | 4      | 120  | 48                  | 24      |        |              | 24      |                    |           | 72              |
| AY1104    | Akademik yozuv                                               | I                      | 4      | 120  | 48                  |         | 48     |              |         |                    |           | 72              | Diff1204 | Differensial tenglamalar | I                      | 4      | 120  | 52                  | 26      | 26     |              |         |                    |           | 68              |
|           |                                                              |                        |        |      |                     |         |        |              |         |                    |           |                 | Dis1204  | Diskret tuzilmalar       | I                      | 4      | 120  | 56                  | 28      | 28     |              |         |                    |           | 64              |
|           | Jami semestrda                                               |                        | 30     | 900  | 390                 | 132     | 204    | 30           | 24      | 0                  |           | 510             |          | Jami semestrda           |                        | 30     | 900  | 390                 | 156     | 156    | 30           | 48      | 0                  |           | 510             |
|           |                                                              |                        |        |      |                     |         |        |              |         |                    |           |                 |          | Jami yillik              |                        | 60     | 1800 | 780                 | 288     | 360    | 60           | 72      | 0                  |           | 1020            |



| 3-SEMESTR  |                                      |   |    |     |     |     |     |    |    |   |  |     | 4-SEMESTR |                                |   |     |      |      |      |      |     |    |     |   |      |
|------------|--------------------------------------|---|----|-----|-----|-----|-----|----|----|---|--|-----|-----------|--------------------------------|---|-----|------|------|------|------|-----|----|-----|---|------|
| MB1306     | Ma'lumotlar bazasi                   | I | 6  | 180 | 82  | 32  | 20  | 30 |    |   |  | 98  | KT1406    | Kompyuter tarmoqlari           | I | 6   | 180  | 82   | 32   | 22   | 28  |    |     |   | 98   |
| KA1306     | Kiberxavfsizlik asoslari             | I | 6  | 180 | 82  | 30  | 30  | 22 |    |   |  | 98  | SIA1406   | Sun'iy intellekt asoslari      | I | 6   | 180  | 82   | 32   | 28   | 22  |    |     |   | 98   |
| MTVA1306   | Ma'lumotlar tuzilmasi va algoritmlar | I | 6  | 180 | 82  | 32  | 30  | 20 |    |   |  | 98  | WIY1406   | Veb ilovalar yaratish          | I | 6   | 180  | 82   | 30   | 22   | 30  |    |     | K | 98   |
| EVS1306    | Elektronika va sxemalar              | I | 6  | 180 | 72  | 30  | 30  | 12 |    |   |  | 108 | EVS1406   | Ehtimollik va statistika       | I | 6   | 180  | 72   | 36   | 36   |     |    |     |   | 108  |
| KTE1306    | Kompyuterni tashkil etish            | I | 6  | 180 | 72  | 30  | 30  | 12 |    |   |  | 108 | MTF1406   | Mutaxassislik tanlov fani 1    |   | 6   | 180  | 72   | 30   | 30   | 12  |    |     |   | 108  |
|            | Jami semestrda                       |   | 30 | 900 | 390 | 154 | 140 | 96 | 0  | 0 |  | 510 |           | Jami semestrda                 |   | 30  | 900  | 390  | 160  | 138  | 92  | 0  | 0   |   | 510  |
|            |                                      |   |    |     |     |     |     |    |    |   |  |     |           | Jami yillik                    |   | 60  | 1800 | 780  | 314  | 278  | 188 | 0  | 0   |   | 1020 |
| 5-SEMESTR  |                                      |   |    |     |     |     |     |    |    |   |  |     | 6-SEMESTR |                                |   |     |      |      |      |      |     |    |     |   |      |
| ML1506     | Machine learning                     | I | 6  | 180 | 82  | 32  | 30  | 20 |    |   |  | 98  | BH1606    | Bulutli hisoblash              | I | 6   | 180  | 82   | 30   | 30   | 22  |    |     |   | 98   |
| BBL1506    | Bilimlar bazasini loyihalash         | I | 6  | 180 | 82  | 30  | 30  | 22 |    |   |  | 98  | O'T1606   | O'rnatilgan tizimlar           | I | 6   | 180  | 82   | 32   | 28   | 22  |    |     | K | 98   |
| OT1506     | Operatsion tizimlar                  | I | 6  | 180 | 82  | 32  | 30  | 20 |    |   |  | 98  | MTF1605   | Mutaxassislik tanlov fani 4    | I | 5   | 150  | 72   | 28   | 28   | 16  |    |     |   | 78   |
| MTF1505    | Mutaxassislik tanlov fani 2          | I | 5  | 150 | 60  | 28  | 32  |    |    |   |  | 90  | MTF1605   | Mutaxassislik tanlov fani 5    | I | 5   | 150  | 70   | 30   | 30   | 10  |    |     |   | 80   |
| MTF1505    | Mutaxassislik tanlov fani 3          | I | 5  | 150 | 60  | 28  | 32  |    |    |   |  | 90  | IL1604    | Individual loyiha              |   | 2   | 60   | 24   |      | 24   |     |    |     |   | 36   |
| IL1504     | Individual loyiha                    |   | 2  | 60  | 24  |     | 24  |    |    |   |  | 36  |           | Malakaviy amaliyot             |   | 6   | 180  |      |      |      |     |    | 90  |   | 90   |
|            | Jami semestrda                       |   | 30 | 900 | 390 | 150 | 178 | 62 | 0  | 0 |  | 510 |           | Jami semestrda                 |   | 30  | 900  | 330  | 120  | 140  | 70  | 0  | 90  |   | 480  |
|            |                                      |   |    |     |     |     |     |    |    |   |  |     |           | Jami yillik                    |   | 60  | 1800 | 720  | 270  | 318  | 132 | 0  | 90  |   | 990  |
| 7-SEMESTR  |                                      |   |    |     |     |     |     |    |    |   |  |     | 8-SEMESTR |                                |   |     |      |      |      |      |     |    |     |   |      |
| NTCHO'1706 | Neyron tarmoqlari va chuqur o'qitish | I | 6  | 180 | 82  | 30  | 30  | 22 |    |   |  | 98  | MTF1805   | Mutaxassislik tanlov fani 10   | I | 5   | 150  | 60   | 28   | 32   |     |    |     |   | 90   |
| MTF1706    | Mutaxassislik tanlov fani 6          | I | 6  | 180 | 82  | 30  | 30  | 22 |    |   |  | 98  | MTF1805   | Mutaxassislik tanlov fani 11   | I | 5   | 150  | 60   | 30   | 30   |     |    |     |   | 90   |
| MTF1706    | Mutaxassislik tanlov fani 7          | I | 6  | 180 | 82  | 30  | 32  | 20 |    |   |  | 98  |           |                                |   |     |      |      |      |      |     |    |     |   |      |
| MTF1706    | Mutaxassislik tanlov fani 8          | I | 6  | 180 | 72  | 28  | 32  |    | 12 |   |  | 108 |           |                                |   |     |      |      |      |      |     |    |     |   |      |
| MTF1706    | Mutaxassislik tanlov fani 9          | I | 6  | 180 | 72  | 28  | 32  |    | 12 |   |  | 108 |           |                                |   |     |      |      |      |      |     |    |     |   |      |
|            |                                      | I | 0  | 0   | 0   |     |     |    |    |   |  |     |           | Malakaviy amaliyot             |   | 6   | 180  |      |      |      |     |    | 90  |   | 90   |
|            | Jami semestrda                       |   | 30 | 900 | 390 | 146 | 156 | 64 | 24 | 0 |  | 510 |           | Jami semestrda                 |   | 16  | 480  | 120  | 58   | 62   | 0   | 0  | 90  |   | 270  |
|            |                                      |   |    |     |     |     |     |    |    |   |  |     |           | Jami yillik                    |   | 46  | 1380 | 510  | 204  | 218  | 64  | 24 | 90  |   | 780  |
|            |                                      |   |    |     |     |     |     |    |    |   |  |     |           | Bitiruv malakaviy ishi va YaDA |   | 14  | 420  |      |      |      |     |    |     |   | 420  |
|            |                                      |   |    |     |     |     |     |    |    |   |  |     |           | JAMI                           |   | 240 | 7200 | 2790 | 1076 | 1174 | 444 | 96 | 180 |   | 4230 |



# Izohlar:

- 1) 1 kredit 30 akademik soatni tashkil qiladi.
- 2) GPA ko'rsatkichi har yili avgust oyining uchunchi haftasida aniqlanadi.
- 3) Harbiy tayyorgarlik mashg'ulotlari tanlov fanlari blokining soatlari hisobiga (tanlov fanlarni o'zlashtirish sharti bilan), harbiy yig'in esa ta'til vaqti hisobiga o'tkaziladi. Tanlov fanlari bloki OTM Kengashi qarori bilan mehnat bozori va kadrlar buyurtmachilarining talablari, moslanuvchanligi va harakatchanligini ta'minlovchi fanlar majmuasidan belgilanadi.
- 4) 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.
- 5) Yakuniy davlat attestatsiyasi muddatlari tarkibiga bitiruv malakaviy ishini himoya qilish ham kiradi.
- 6) o'quv rejaga kiritiladigan ixtisoslikka oid fanlarning amaliy mashg'ulotlari va laboratoriya ishlari oliy ta'lim muassasasi hamda bazaviy tashkilot va korxonalarda o'tkaziladi.
- 7) Nazariya va amaliyot yaxlitligini ta'minlash uchun talabalarning malakaviy amaliyotlari bazaviy tashkilot va korxonalarda o'tkaziladi.
- 8) Jismoniy tarbiya va sport fani fakul'tativ kurs sifatida tlabaning ixtiyoriy tanlovi asosidagi sport seksiyalarida tashkil etiladi.
- 9) Kurs ishlari shu fanga ajratilgan mustaqil ta'lim soatlari hisobidan 1 kredit asosida bajariladi.
- 10) 4 kreditli o'zbekistonning eng yangi tarixi fanidan 1 krediti Samarqand tamadduni tarixi fani sifatida o'tkaziladi (6 soat ma'ruza, 6 soat seminar).
- 11) "Inson huquqlari, ayollar huquqlari va bola huquqlari" hamda "Tadbirkorlik ko'nikmasini rivojlantirish" maxsus kurslari darsdan tashqari vaqtlarda tashkil etiladi

| O'quv jarayonining tarkibiy qismlar      | Haftalar soni | Semestr | Davlat attestatsiyasi                                                                          |
|------------------------------------------|---------------|---------|------------------------------------------------------------------------------------------------|
| Nazariy va amaliy ta'lim                 | 112           | 1-8     | Bitiruv malakaviy ishini himoya qilish yoki fanlararo mutaxassislik fanlaridan davlat imtihoni |
| Malakaviy amaliyot                       | 12            | 6, 8    |                                                                                                |
| Attestatsiyalar                          | 16            | 1-8     |                                                                                                |
| Davlat attestatsiyasi                    | 4             | 8       |                                                                                                |
| Ta'til                                   | 53            | 1-8     |                                                                                                |
| Fanlarni tanlash uchun ro'yxatdan o'tish | 4             | 1-8     |                                                                                                |
| GPA ko'rsatkichlarini hisoblash          | 3             | 1-6     |                                                                                                |
| Jami                                     | 204           |         |                                                                                                |

Samarqand davlat universiteti o'quv ishlari bo'yicha prorektori

O'quv-uslubiy boshqarma boshlig'i

Fakultet dekani

Fakultet O'IBDO'

Kadrlar buyurtmachilari:

A.S.Soleyev

Sh.Muranov

A.I.Babayarov

D.I.Ablakulov

Samarqand davlat universiteti Kengashi yig'ilishida ma'qullangan.  
2023 yil «26» 08 dagi 1- sonli bayonnoma

Samarqand viloyati soliq boshqarmasi  
boshlig'i o'rinbosari

B. Jafar



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