

**O'ZBEKISTON RESPUBLIKASI  
OLYI TA'LIM, FAN VA INNOVATSIYALAR VAZIRLIGI  
CHIRCHIQ DAVLAT PEDAGOGIKA UNIVERSITETI**



**MATERIALSHUNOSLIK  
O'QUV DASTURI**

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| Bilim sohasi:      | 200 000 – San'at va Gumanitar fanlar. |
| Ta'lim sohasi:     | 210 000 – San'at.                     |
| Ta'lim yo'nalishi: | 60210400 – Dizayn: interyer dizayni   |

**Chirchiq – 2024**

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| Fan/modul kodi<br>Mat1104  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | O'quv yili<br>2025-2026             | Semestr<br>4              | ECTS - Kreditlar<br>4        |  |
| Fan/modul turi<br>Majburiy |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Ta'lim tili<br>O'zbek               |                           | Haftadagi dars soatlari<br>4 |  |
| 1.                         | Fanning nomi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Auditoriya<br>mashg'ulotlari (soat) | Mustaqil<br>ta'lim (soat) | Jami yuklama<br>(soat)       |  |
|                            | Materialshunoslik                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 60                                  | 60                        | 120                          |  |
| 2.                         | I. Fanning mazmuni.<br><br>Fanni maqsadi: 60210400 - Dizayn (interyerni loyihalash) ta'lim yo'nalishida tahsil olayotgan talabalarning – qurilish materiallarining tarkibi, tuzilishi va xususiyati orasidagi bog'liqlikni, ularning sifat ko'rsatkichlarini baholash ko'nikmasini hosil qilishdan iborat.<br><br>Fanning vazifasi: Ushbu maqsadga erishish uchun fan talabalarni nazariy bilimlar, amaliy ko'nikmalalar, ijodiy va jarayonlarga uslubiy yondashuv hamda ijodiy dunyoqarashini shakllantirish vazifalarini bajaradi.<br><br>II. Nazariy qism (ma'ruza mashg'ulotlari)<br>II.I. Fan tarkibiga quyidagi mavzular kiradi:<br><br>4-semestr<br><br>1-mavzu. Tabiiy tosh materiallari. Shisha materiallari. Smart oynalar. Yog'ochning materiallari va buyumlari.<br>2-mavzu. Metall ashyolarining xossalari. Dekorativ mozaikalar. Parketda mozaika. Beton xossalari. Shaffof beton xossalari xususiyatlari.<br><br>III. Amaliy mashg'ulotlar bo'yicha ko'rsatma va tavsiyalar<br>Amaliy mashg'ulotlar uchun quyidagi mavzular tavsiya etiladi:<br><br>4-semestr<br><br>1. Dekorativ pardozbob tabiiy tosh materiallari.<br>2. Dekorativ pardozbob tabiiy tosh materiallari.<br>3. Dekorativ pardozbob tabiiy tosh materiallari.<br>4. Vitraj turlari.<br>5. Vitraj turlari.<br>6. Faner, orgalit, MDF, DSP va LDSP.<br>7. Faner, orgalit, MDF, DSP va LDSP.<br>8. Keramik materiallar va buyumlar.<br>9. Keramik materiallar va buyumlar.<br>10. Keramik materiallar va buyumlar. |                                     |                           |                              |  |

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|    | <p>3. B.B.Ko'kiyev, K.G.Malikov, "Arxitektura elementlarini loyihalash" darslik - Chirchiq, "Olmaliq kitob business", 2023 y. 180 b.</p> <p>4. G'.A.Zoirov, U.M.Baxayeva, "Interyer loyihalash va arxitekturaviy grafika", o'quv qo'llanma, Toshkent-2016.</p> <p style="text-align: center;"><b>Axborot manbalari</b></p> <p>1. <a href="http://www.pedagog.uz">www.pedagog.uz</a>.</p> <p>2. <a href="http://www.edu.uz">www.edu.uz</a>.</p> <p>3. <a href="http://ziyonet.uz">http://ziyonet.uz</a>.</p> <p>4. <a href="https://unilibrary.uz">https://unilibrary.uz</a></p> <p>5. <a href="https://uz.wikipedia.org/wiki/Materialshunoslik">https://uz.wikipedia.org/wiki/Materialshunoslik</a></p> <p>6. <a href="http://www.cspu.uz">www.cspu.uz</a>.</p> |
| 7. | Chirchiq davlat pedagogika universiteti tomonidan ishlab chiqilgan va universitet Kengashining 2024 yil " <u>19</u> " " <u>28</u> " " <u>1</u> "-sonli qarori bilan tasdiqlangan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 8. | <p><b>Fan/modul uchun ma'sul:</b></p> <p>1. B.B.Ko'kiyev. CHDPU, "Muhandislik va kompyuter grafikasi" kafedrası p.f.f.d., v/b., dotsent.</p> <p>2. S.M.Seytimbetov. CHDPU, "Muhandislik va kompyuter grafikasi" kafedrası o'qituvchisi.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 9. | <p><b>Taqrizchilar:</b></p> <p>1. M.K.Xalimov Toshkent davlat pedagogikah universiteti "Professional ta'lim" fakulteti datsenti.</p> <p>2. B.B.Boymetov Chirchiq davlat pedagogika universiteti "San'atshunoslik" fakultet p.f.n., professor.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|  | <p>11. Mineral bog'lovchilar va ular asosidagi materiallar.</p> <p>12. Mineral bog'lovchilar va ular asosidagi materiallar.</p> <p>13. Mineral bog'lovchilar va ular asosidagi materiallar.</p> <p>14. Fasad qoplamalari. Fasad qoplamalari bezaklari.</p> <p>15. Fasad qoplamalari. Fasad qoplamalari bezaklari.</p> <p>16. Smart oynalarning xossalari xususiyatlari.</p> <p>17. Smart oynalarning xossalari xususiyatlari.</p> <p>18. Lok bo'yoq materiallari.</p> <p>19. Lok bo'yoq materiallari.</p> <p>20. Dekorativ shtukaturka.</p> <p>21. Dekorativ shtukaturka.</p> <p>22. Metallarni korroziyadan himoyalash.</p> <p>23. Metallarni korroziyadan himoyalash.</p> <p>24. Beton xossalari.</p> <p>25. Beton xossalari.</p> <p>26. Oboy va uning turlari. Emulsiya bo'yoqlari.</p> <p>27. Oboy va uning turlari. Emulsiya bo'yoqlari.</p> <p>28. Oboy va uning turlari. Emulsiya bo'yoqlari.</p> <p style="text-align: center;"><b>Mustaqil ta'lim va mustaqil ishlar</b></p> <p>Mustaqil ta'limni baholash – bu talabalarning jamoaviy tartibda va yakka tartibda berilgan amaliy loyihalarni bajarishlari orqali amalga oshiriladi. Bunda har bir talabaga bitta jamoaviy loyiha va ikkita yakka tartibda bajariladigan loyiha beriladi. Talaba berilgan loyihaning maqsad va vazifalarini, mohiyatini tushungan holda qo'yilgan masalani o'rganib, izlanishlar olib boradi. Olingan natijalarni tahlil qilib, hulosalari bilan taqdimotlar tayyorlab himoya qiladi. Ishchi fan dasturida loyihalarning soni, mavzusi, mazmuni bajarish usullari va topshirish muddatlari to'liq ochib beriladi.</p> <p style="text-align: center;"><b>Mustaqil ta'lim uchun tavsiya etiladigan mavzular:</b></p> <p style="text-align: center;"><b>4-semestr</b></p> <p>1. Smart oynalarning xossalari xususiyatlari.</p> <p>2. Smart oynalarning xossalari xususiyatlari.</p> <p>3. Dekorativ shtukaturka.</p> <p>4. Fasad qoplamalari.</p> <p>5. Shaffof beton xossalari xususiyatlari.</p> <p>6. Suyultirilgan yog'och xossalari xususiyatlari.</p> |
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|    | 7. Izolyasiyalovchi buyumlar va materiallar.<br>8. Izolyasiyalovchi buyumlar va materiallar.<br>9. Parketda mozaika.<br>10. Parketda mozaika.<br>11. Faner, orgalit, MDF, DSP va LDSP.<br>12. Faner, orgalit, MDF, DSP va LDSP.<br>13. Dekorativ mozaikalar.<br>14. Dekorativ mozaikalar.<br>15. Dekorativ pardobob tabiiy tosh materiallari.<br>16. Dekorativ pardobob tabiiy tosh materiallari.<br>17. Vitraj turlari.<br>18. Faner, orgalit, xossalari<br>19. Suyultirilgan yog'och xossalari xususiyatlari.<br>20. Izolyasiyalovchi buyumlar va materiallar.<br>21. Izolyasiyalovchi buyumlar va materiallar.<br>22. Parketda mozaika.<br>23. Parketda mozaika.<br>24. Fasad qoplamalari.<br>25. Beton xossalari.<br>26. Shaffof beton xossalari xususiyatlari<br>27. Smart oynalarning xossalari xususiyatlari.<br>28. Dekorativ shtukaturka.<br>29. Fasad qoplamalari.<br>30. Suyultirilgan yog'och xossalari xususiyatlari. |
| 3. | <b>VII. Ta'lim natijalari (shakllanadigan kompetensiyalar)</b><br><br><b>Fanni o'zlashtirish natijasida talaba:</b><br><br>1. Qo'llanilayotgan materiallarning texnologiyasi to'g'risida <i>tasavvurga ega bo'lishi; (bilim)</i> .<br>2. Dizaynerlik asarlarini yaratishda ishlatiladigan materiallarning tarkibi, tuzilishi va hususiyatlari bo'yicha klassifikasiyalanishi, turli materiallarning <i>qo'llanish sohalari</i> ni bilishi va <i>ulardan foydalana olishi; (ko'nikma)</i> .<br>3. Dizaynerlik san'ati asarlarini yaratishda materiallarni tanlash va qo'llash muammolari bo'yicha echimlar qabul qilish <i>ko'nikmalariga ega bo'lishi kerak. (malaka)</i> .                                                                                                                                                                                                                                                        |

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| 4. | <b>VIII. Ta'lim texnologiyalari va metodlari:</b> <ul style="list-style-type: none"> <li>dolzarb mavzu bo'yicha shaxsiy fikrini tanqid, publitsistik va boshqa janrlar (masalan, esse) da yozma bayon qilish;</li> <li>ma'ruzalar tayyorlash;</li> <li>konspekt yozish;</li> <li>glossariy tuzish;</li> <li>individual va jamoaviy o'quv loyihasi tuzish;</li> <li>keys-topshiriqlarini bajarish;</li> <li>mavzuli portfoliolar tuzish;</li> <li>axborot-tahliliy materiallar bilan ishlash;</li> <li>manbalar bilan ishlash;</li> <li>chizma-tasviriy modellar (intellekt-kart, freym, mantiqiy graf va h.k.) yaratish;</li> <li>multimediali taqdimotlar yaratish.</li> </ul> |
| 5. | <b>IX. Kreditlarni olish uchun talablar:</b><br><br>Fanga oid nazariy va uslubiy tushunchalarni to'la o'zlashtirish, tahlil natijalarini to'g'ri aks ettira olish, o'rganilayotgan jarayonlar va tushunchalar haqida mustaqil mushohada yuritish, joriy va oraliq nazorat shakllarida berilgan vazifa va topshiriqlarni bajarish, yakuniy nazorat bo'yicha variantlar asosida yozma topshiriqlarni bajarishi zarur.                                                                                                                                                                                                                                                             |
| 6. | <b>X. Asosiy adabiyotlar:</b><br><br>1. M.I.Roziqberdiyev, N.R.Mannopova, "Qurilish konstruksiyalari", o'quv qo'llanma, Toshkent, "Faylasuflar" nashriyoti, 2019 y.-136 b.<br>2. S.A.Maxkamov, U.O.Daminova, D.A.Shaumarova, "Interyer va jihozlash", Toshkent, "Shafolat nur fayz" nashriyoti, 2020 y.-144 b.<br>3. E.U.Kasimov, "Arxitektura ashyoshunosligi", darslik, "Cho'lpon" NMIU, 2018 y.-364 b.<br><br><b>Qo'shimcha adabiyotlar.</b><br><br>1. М.К. ЭШЕР, "Графика" Предисловие и аннотации художника-2008.<br>2. Н.В.Брызгов, С.В.Воронежцев, В.Б.Логинов, "Проектная Графика Практиум" специальность дизайн.                                                       |