**«TASDIQLAYMAN»**

**Kafedra мudiri: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**«\_\_\_\_\_» \_\_\_\_\_\_\_\_\_\_\_\_\_ 2022 yil**

# FAN DASTURI BAJARILISHINING KALENDAR REJASI

**(ма’ruza, seminar, lаbоrатоriya, aмаliy маshg’ulotlar, kurs ishlari)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fаkultet: Sanoat texnologiyasi | | | | | | Yo’nalish: Kimyoviy texnologiya | | | | Akademik guruh  КТ- 170-171-172-21 (NMKT) | | | | | | Ma’ruza | | | 30 | | |
| Fanning nomi: Asosiy texnologik jarayon va qurilmalar | | | | | | | | | | | | | | | | Laboratoriya | | | 30 | | |
| Ma’ruzachi: | | | | | | | Xidirova Yu | | | | | | | | | amaliy | | | 30 | | |
| Maslahat va amaliy mashg’ulotni olib boruvchi: | | | | | | |  | | | | | | | | | Mustaqil ish | | | 90 | | |
| Mustaqil mashg’ulotlarni olib boruvchi: | | | | | | | Xidirova Yu | | | | | | | | | **Jami** | | | 180 | | |
| **2022-2023 o’quv yili** | | | | | | |  | | | | | | | | |  | | |  | | |
| **№** | | **Mаvzuning nomi** | | | | | **Аjratilgan soat** | | | **Bаjаrilganligi xаqida mа’lumot** | | | | | | **O’qituvchi imzosi** | | |
| **Oy va kun** | | **Soаtlar soni** | | | |
| **1** | | **2** | | | | | **3** | | | **4** | | **5** | | | | **6** | | |
| **Ma`ruza mavzulari** | | |  | | | | | | |
| 1. | | Asosiy texnologik jarayon va qurilmaiar" faniga kirish. | | | | | 2 | | |  | |  | | | |  | | |
| 2. | | Gidrodinamika. Oqimning uzluksizlik tenglamasi va energetik ma'nosi. | | | | | 2 | | |  | |  | | | |  | | |
| 3. | | Bernulli tenglamasi. Gidravlik qarshiliklar. | | | | | 2 | | |  | |  | | | |  | | |
| 4. | | O'xshashlik nazariyasining asoslari. | | | | | 2 | | |  | |  | | | |  | | |
| 5 | | Suyuqlikda qattiq jism harakati. | | | | | 2 | | |  | |  | | | |  | | |
| 6. | | Turli jinsli sistemalar, klassifikatsiyasi. | | | | | 2 | | |  | |  | | | |  | | |
| 7. | | Turli jinsli sistemalarni ajratish. | | | | | 2 | | |  | |  | | | |  | | |
| 8. | | Gazlarini tozalash usullari. | | | | | 2 | | |  | |  | | | |  | | |
| 9. | | Elektrostatik kuchlari ta'sirida cho'ktirish. | | | | | 2 | | |  | |  | | | |  | | |
| 10. | | Filtlash jarayoni. | | | | | 2 | | |  | |  | | | |  | | |
| 11. | | Mavhum qaynash qatlami gidrodinamikasi. | | | | | 2 | | |  | |  | | | |  | | |
| 12. | | Suyuqliklarni uzatish. Nasoslar. | | | | | 2 | | |  | |  | | | |  | | |
| 13. | | Markazdan qochma nasoslar. | | | | | 2 | | |  | |  | | | |  | | |
| 14. | | Aralashtirish. | | | | | 2 | | |  | |  | | | |  | | |
| 15. | | Issiqlik tarqalish turlari. | | | | | 2 | | |  | |  | | | |  | | |
| **Jami:** | | | | | | | **30** | | |  | |  | | | |  | | |
| Yetakchi o’qituvchi: Yu.Xidirova | | |  | | | | | | |

**«TASDIQLAYMAN»**

**Kafedra мudiri: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**«\_\_\_\_\_» \_\_\_\_\_\_\_\_\_\_\_\_\_ 2022 yil**

# FAN DASTURI BAJARILISHINING KALENDAR REJASI

**(ма’ruza, seminar, lаbоrатоriya, aмаliy маshg’ulotlar, kurs ishlari)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fаkultet: Sanoat texnologiyasi | | | Yo’nalish: Kimyoviy texnologiya | | | Akademik guruh  КТ- 170-21 (NMKT) | | | | | Ma’ruza | | | | | | 30 | | |
| Fanning nomi: Asosiy texnologik jarayon va qurilmalar | | | | | | | | | | | Laboratoriya | | | | | | 30 | | |
| Ma’ruzachi: | | | | | Xidirova Yu | | | | | | amaliy | | | | | | 30 | | |
| Maslahat va amaliy mashg’ulotni olib boruvchi: | | | | |  | | | | | | Mustaqil ish | | | | | | 90 | | |
| Mustaqil mashg’ulotlarni olib boruvchi: | | | | | Xidirova Yu | | | | | | **Jami** | | | | | | 180 | | |
| **2022-2023 o’quv yili** | | | | |  | | | | | |  | | | | | |  | | |
| **№** | | **Mаvzuning nomi** | | | | | | **Аjratilgan soat** | | **Bаjаrilganligi xаqida mа’lumot** | | | | | | **O’qituvchi imzosi** | | |
| **Oy va kun** | | | **Soаtlar soni** | | |
| **1** | | **2** | | | | | | **3** | | **4** | | | **5** | | | **6** | | |
| **Laboratoriya mavzulari** | | | |  | | | | | |
| 1. | | | | Suyuqliklarning oqish rejimlarini aniqlash; | | | | | | 2 | |  | | |  | | |  | | |
| 2. | | | | Trubalarning mahalliy va ishqalanish qarshiliklarini aniqlash | | | | | | 2 | |  | | |  | | |  | | |
| 3. | | | | Trubalarning mahalliy va ishqalanish qarshiliklarini aniqlash | | | | | | 2 | |  | | |  | | |  | | |
| 4. | | | | Suyuqliklarning tezligi va sarfini Pito-Prandtl naychasi bilan o'lchash | | | | | | 2 | |  | | |  | | |  | | |
| 5 | | | | Suyuqliklarning tezligi va sarfini Pito-Prandtl naychasi bilan o'lchash | | | | | | 2 | |  | | |  | | |  | | |
| 6. | | | | Suyuqliklarning nasadka va teshiklardan oqishi | | | | | | 2 | |  | | |  | | |  | | |
| 7. | | | | Suyuqliklarning nasadka va teshiklardan oqishi | | | | | | 2 | |  | | |  | | |  | | |
| 8. | | | | Mavxum qaynash qatlamning gidrodinamikasi | | | | | | 2 | |  | | |  | | |  | | |
| 9. | | | | Mavxum qaynash qatlamning gidrodinamikasi | | | | | | 2 | |  | | |  | | |  | | |
| 10. | | | | Mavxum qaynash qatlamida zarrachalarning qaynash va uchib chiqish tezliklarini aniqlash | | | | | | 2 | |  | | |  | | |  | | |
| 11. | | | | Mavxum qaynash qatlamida zarrachalarning qaynash va uchib chiqish tezliklarini aniqlash | | | | | | 2 | |  | | |  | | |  | | |
| 12. | | | | Markazdan qochma nasoslarning xarakteristikasi | | | | | | 2 | |  | | |  | | |  | | |
| 13. | | | | Markazdan qochma nasoslarning xarakteristikasi | | | | | | 2 | |  | | |  | | |  | | |
| 14. | | | | Filtrlash doimiysini aniqlash | | | | | | 2 | |  | | |  | | |  | | |
| 15. | | | | Filtrlash doimiysini aniqlash | | | | | | 2 | |  | | |  | | |  | | |
| **Jami:** | | | | | | | | | | **30** | |  | | |  | | |  | | |
| Yetakchi o’qituvchi: Yu.Xidirova | | | |  | | | | | |

**«TASDIQLAYMAN»**

**Kafedra мudiri: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**«\_\_\_\_\_» \_\_\_\_\_\_\_\_\_\_\_\_\_ 2022 yil**

# FAN DASTURI BAJARILISHINING KALENDAR REJASI

**(ма’ruza, seminar, lаbоrатоriya, aмаliy маshg’ulotlar, kurs ishlari)**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fаkultet: Sanoat texnologiyasi | | | Yo’nalish: Kimyoviy texnologiya | | | Akademik guruh  КТ- 171-21 (NMKT) | | | | | Ma’ruza | | | | | | 30 | | |
| Fanning nomi: Asosiy texnologik jarayon va qurilmalar | | | | | | | | | | | Laboratoriya | | | | | | 30 | | |
| Ma’ruzachi: | | | | | Xidirova Yu | | | | | | amaliy | | | | | | 30 | | |
| Maslahat va amaliy mashg’ulotni olib boruvchi: | | | | |  | | | | | | Mustaqil ish | | | | | | 90 | | |
| Mustaqil mashg’ulotlarni olib boruvchi: | | | | | Xidirova Yu | | | | | | **Jami** | | | | | | 180 | | |
| **2022-2023 o’quv yili** | | | | |  | | | | | |  | | | | | |  | | |
| **№** | | **Mаvzuning nomi** | | | | | | **Аjratilgan soat** | | **Bаjаrilganligi xаqida mа’lumot** | | | | | | **O’qituvchi imzosi** | | |
| **Oy va kun** | | | **Soаtlar soni** | | |
| **1** | | **2** | | | | | | **3** | | **4** | | | **5** | | | **6** | | |
| **Laboratoriya mavzulari** | | | |  | | | | | |
| 1. | | | | Suyuqliklarning oqish rejimlarini aniqlash; | | | | | | 2 | |  | | |  | | |  | | |
| 2. | | | | Trubalarning mahalliy va ishqalanish qarshiliklarini aniqlash | | | | | | 2 | |  | | |  | | |  | | |
| 3. | | | | Trubalarning mahalliy va ishqalanish qarshiliklarini aniqlash | | | | | | 2 | |  | | |  | | |  | | |
| 4. | | | | Suyuqliklarning tezligi va sarfini Pito-Prandtl naychasi bilan o'lchash | | | | | | 2 | |  | | |  | | |  | | |
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| 6. | | | | Suyuqliklarning nasadka va teshiklardan oqishi | | | | | | 2 | |  | | |  | | |  | | |
| 7. | | | | Suyuqliklarning nasadka va teshiklardan oqishi | | | | | | 2 | |  | | |  | | |  | | |
| 8. | | | | Mavxum qaynash qatlamning gidrodinamikasi | | | | | | 2 | |  | | |  | | |  | | |
| 9. | | | | Mavxum qaynash qatlamning gidrodinamikasi | | | | | | 2 | |  | | |  | | |  | | |
| 10. | | | | Mavxum qaynash qatlamida zarrachalarning qaynash va uchib chiqish tezliklarini aniqlash | | | | | | 2 | |  | | |  | | |  | | |
| 11. | | | | Mavxum qaynash qatlamida zarrachalarning qaynash va uchib chiqish tezliklarini aniqlash | | | | | | 2 | |  | | |  | | |  | | |
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| 13. | | | | Markazdan qochma nasoslarning xarakteristikasi | | | | | | 2 | |  | | |  | | |  | | |
| 14. | | | | Filtrlash doimiysini aniqlash | | | | | | 2 | |  | | |  | | |  | | |
| 15. | | | | Filtrlash doimiysini aniqlash | | | | | | 2 | |  | | |  | | |  | | |
| **Jami:** | | | | | | | | | | **30** | |  | | |  | | |  | | |
| Yetakchi o’qituvchi: Yu.Xidirova | | | |  | | | | | |

**«TASDIQLAYMAN»**

**Kafedra мudiri: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**«\_\_\_\_\_» \_\_\_\_\_\_\_\_\_\_\_\_\_ 2022 yil**

# FAN DASTURI BAJARILISHINING KALENDAR REJASI

**(ма’ruza, seminar, lаbоrатоriya, aмаliy маshg’ulotlar, kurs ishlari)**

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| Fanning nomi: Asosiy texnologik jarayon va qurilmalar | | | | | | | | | | | Laboratoriya | | | | | | 30 | | |
| Ma’ruzachi: | | | | | Xidirova Yu | | | | | | amaliy | | | | | | 30 | | |
| Maslahat va amaliy mashg’ulotni olib boruvchi: | | | | |  | | | | | | Mustaqil ish | | | | | | 90 | | |
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| **2022-2023 o’quv yili** | | | | |  | | | | | |  | | | | | |  | | |
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| **Oy va kun** | | | **Soаtlar soni** | | |
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| **Laboratoriya mavzulari** | | | |  | | | | | |
| 1. | | | | Suyuqliklarning oqish rejimlarini aniqlash | | | | | | 2 | |  | | |  | | |  | | |
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| 6. | | | | Suyuqliklarning nasadka va teshiklardan oqishi | | | | | | 2 | |  | | |  | | |  | | |
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| 9. | | | | Mavxum qaynash qatlamning gidrodinamikasi | | | | | | 2 | |  | | |  | | |  | | |
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| 11. | | | | Mavxum qaynash qatlamida zarrachalarning qaynash va uchib chiqish tezliklarini aniqlash | | | | | | 2 | |  | | |  | | |  | | |
| 12. | | | | Markazdan qochma nasoslarning xarakteristikasi | | | | | | 2 | |  | | |  | | |  | | |
| 13. | | | | Markazdan qochma nasoslarning xarakteristikasi | | | | | | 2 | |  | | |  | | |  | | |
| 14. | | | | Filtrlash doimiysini aniqlash | | | | | | 2 | |  | | |  | | |  | | |
| 15. | | | | Filtrlash doimiysini aniqlash | | | | | | 2 | |  | | |  | | |  | | |
| **Jami:** | | | | | | | | | | **30** | |  | | |  | | |  | | |
| Yetakchi o’qituvchi: Yu.Xidirova | | | |  | | | | | |