

O‘ZBEKISTON RESPUBLIKASI
OLIY TA’LIM, FAN VA INNOVATSIYALAR VAZIRLIGI

SAMARQAND DAVLAT ARHITEKTURA – QURILISH UNIVERSITETI

“KELISHILGAN”

o‘quv ishlari bo‘yicha
prorektor

M.T.Shodmonqulov

Ro‘yxatga olindi: № 337/a

«30» avgust 2024 yil

“TASDIQLAYMAN”

Rektor

Ch.J. Turkyilmaz

«30» avgust 2024 yil

“Mexanika muhandisligiga kirish va etikasi”

FAN DASTURI

Bilim sohasi: 700 000 - Muhandislik, ishlov berish va qurilish sohalari

Ta’lim sohasi: 710 000 – Muhandislik ishi

Ta’lim yo‘nalishi: 60713500- Mexanika muhandisligi

Samarqand – 2024

Kurs ma'lumotlari
Course Information Form

Modul kodi Code MAS1050	O'quv yili 2024-2025	Semestr 1	ECTS – Kreditlar 1-semestr -3			
Modul turi Majburiy	Ta'lim tili O'zbek/rus		Auditoriya soatlari			Mustaqil ta'lim (soat/hafta) Independent Education (hour/week)
Fan nomi Title	Jami yuklama	Ma'ruza (soat/hafta) Lecture (hour/week)	Amaliy (soat/hafta) Practical (hour/week)	Laboratoriya (soat/hafta) Laboratory (hour/week)		
Mexanika Muhandisligiga kirish va etikasi	1-semestr -90	1-semestr -2	-		1-semestr -4	

Dastlabki shart Prerequisite	Yo'q None
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Semestr Semestr	Kuzgi Fall
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Kurs tili Course language	O'zbek, Ingliz, Rus Uzbek, English, Russian
O'quv kursi Level of Course	Birinchi kurs First Cycle
Ta'lim yo'nalishlari Course type	60713500-Mexanika muhandisligi
Kurs toifasi Course Category	Asosiy Core Courses
Dars shakli Mode of Delivery	An'anaviy (Yuzma – yuz muloqot) Face – to - face

Ma'sul kafedra Owner academic unit	Mexanika muhandisligi Mechanical engineering
Kursga ma'sul Cours Coordinator	Yuzbayeva Shohida;
O'qituvchilar Instructor(s)	Fayziyev Zafar; Yuzbayeva Shohida;
Yordamchilar Asistant(s)	Fayziyev Zafar; Yuzbayeva Shohida; Omonqulov Orif;

Fanni o'qitishdan maqsad Course objectives	Umumiy tushunchalarni berish mexanika muhandisligiga kirish va etikasi fanida mexanika muhandisligi mutaxassisligi bilan tanishtirish Consolidation of general mathematics culture, development of analytical thinking
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Fanning mazmuni Course content	<p>Oliy ta'lim tizimi va oliy o'quv yurtlari tarixi va ularning tuzilishi. Mexanika muhandisligiga kirish va etikasi yo'nalishlari bo'yicha rejalashtirilgan fanlar. Talabalar faoliyatini baholash mezonlari. Kredit modul. Mexanika muhandisligiga kirish va etikasi ta'lim yo'nalishi to'g'risida asosiy tushunchalar. O'zbekiston Respublikasi oliy o'quv yurtlari va ularning mustaqul Respublukamizdagi o'ri. SamdaQU tarixi. Bakalavr va magistr darajalari. Sohasi bakalavri. Bakalavrlarga quyilgan asosiy talablar.</p> <p>History of higher education system and higher educational institutions and their structure. Introduction to Mechanical Engineering and planned subjects in ethics. Criteria for evaluating student performance. Credit module. Introduction to Mechanical Engineering and Basic Concepts of Ethics of Education. Higher educational institutions of the Republic of Uzbekistan and their place in our independent Republic. History of SamdaQI. Bachelor's and Master's degrees. Bachelor's degree in the field.</p>
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	Basic requirements for bachelors.
Tavsiya qilingan yoki talab qilinadigan adabiyotlar ro'yxati Recommended Or Required Reading	<ol style="list-style-type: none"> 1. Mirziyoyev Sh.M. Buyuk kelajagimizni mard va olijanob xalqimiz bilan birga quramiz. T. O'zbekiston. 2016 yil. 486-bet. 2. Kadrlar tayyorlash milliy dasturi amalda. O'zbekiston Respublikasi Vazirlar Maxkamasining ta'lim tug'risidagi qarorlari. Toshkent, 1998. 3. O'zbekiston Respublikasi oliy ta'lim tizimini isloh qilish bo'yicha me'yoriy hujjatlar. 1 qism. Toshkent, 1998. 4. Normativnie dokumenti po reformirovaniyu sistemi visshego obrazovaniya Respubliki O'zbekistana. Chast II. Tashkent, 1999. 5. Gosudarstvenniy standart O'zbekistana. Gosudarstvennaya sistem standartov neprerivnogo obrazovaniya O'zbekistana. Visshee obrazovanie trebovaniya k obyazatelnomu minimummu sodedjaniya i urovnyu podgotovki bakalavra po professionalno-pedagogicheskomu napravleniyu V162500-Texnologicheskie mashini i oborudovanie (pedagog). Izdanie ofisialnoe. Tashkent. 1999. 6. Karimov I.A. "Barkamol avlod O'zbekiston taraqqiyotining poydevori". Toshkent. 1997 y. 7. N. Rajabov. "Mutaxassislikka kirish". Toshkent. O'qituvchi. 1991y 8. Robert McDowall. Fundamentals of HVAC Systems. Copyright © 2006, American Society of Heating, Refrigerating and Air-Conditioning. Engineers, Inc. and Elsevier Inc Published by Elsevier 2006. 9. Boboev S., Shukurov G., Ismanhodjaeva M. Itish.- T.: "Yangi asr avlodi", - 2008. - 298 b.
Tavsiya etilgan qo'shimcha dastur komponentlari Recommended Optional Program Components	Yo'q\ (bor bolsa yoziladi) None

Kursni o'rganish natijalari

Course learning outcomes

1	Fan dasturi bo'yicha chuqur nazariy bilimlarga ega bo'lishi; To have in-depth theoretical knowledge of the science program;
2	o'zlashtirilgan mexanika muhandislik va estetika tushunchalarni, tasdiqlarni tasavvur qila olishni; Mastered mechanical engineering and aesthetics concepts, to be able to imagine confirmations;
3	Mutaxassisligi bo'yicha bilimlarni puxta egallashi, mavzularda uchraydigan mexanika muhandisli va estetika tushunchalarni aniq tasavvur qila olishi, eng sodda texnikaviy jarayonlarni "til"ga o'gira olishni; To thoroughly acquire knowledge in his specialty, to be able to clearly imagine the concepts of mechanical engineering and aesthetics encountered in the topics, to be able to translate the simplest technical processes into "language";
4	Eng sodda jarayonlarni tahlil qilish uchun kerakli usullarni tanlay olishni, tahlil asosida amaliy xulosalar chiqara olishni; To be able to choose the necessary methods for the analysis of the simplest processes, to draw practical conclusions based on the analysis;
5	Talaba mutaxassisligi bilan bog'liq adabiyotlardagi tushunchalarini mustaqil tahlil qila olishi, shuningdek "Mexanika muhandisligiga kirish va etikasi" fanidan olingan bilimlarini mutaxassislik fani bilan bog'lashni; o'z fikr-mulohaza va xulosalarini asosli tarzda aniq bayon eta olish malakalariga ega bo'lishi va h.k. talab qilinadi. The ability of the student to independently analyze his concepts in the literature related to his specialty, as well as to connect the knowledge obtained from the subject "Introduction and Ethics of Mechanical Engineering" with the subject of his specialty; to have the skills to clearly state their opinions and conclusions in a reasonable manner, etc. is required.

Haftalik mavzular va tegishli tayyorgarlik ishlari

Weekly Subjects and Related Preparation Studies

Hafta Week	Mavzular Themes	Resurslar Related preparation
1.	Kirish. Oliy ta'lim tizimi va oliy o'quv yurtlari tarixi va ularning tuzilishi.	1-darslik (I bob)
2.	O'zbekiston Respublikasi oliy o'quv yurtlari va ularning mustaqul Respublukamizdagi o'rnini. SamdaQI	1-darslik (I bob)

	tarixi. Bakalavr va magistr darajalari. Sohasi bakalavri. Bakalavrlarga quyilgan asosiy talablar.	
3.	Mexanika muhandisligiga kirish va etikasi yo'nalishlari bo'yicha rejalashtirilgan fanlar. Talabalar faoliyatini baholash mezonlari. Kredit modul	1-darslik (I bob)
4.	Mexanika muhandisligiga kirish va etikasi ta'lim yo'nalishi to'g'risida asosiy tushunchalar va tarixi.	1-darslik (I bob)
5.	Umumiy odob-ahloq qoidalari haqida ma'lumotlar. Vazirlar Mahkamasining odob-ahloq qoidalariga oid qonunlar bilan tanishtirish.	1-darslik (II bob)
6.	Universitetda tasdiqlangan odob-ahloq va ichki tartib qoidalari haqida ma'lumotlar	1-darslik (II bob)
7.	Mexanika muhandisligi kafedrası tarixi	1-darslik (II bob)
8.	Gaz ta'minoti tizimining tarixi hozirgi ahvoli va rivoji. Gaz taminoti tizimlari. Gaz ta'minotida ishlatiladigan quvurlar va armaturalar	1-darslik
9.	Binolarni isitish tizimlari va shakllari. Isitish tizimlari turlari. Bir va ikki quvurli isitish tizimlari	2-darslik (I bob)
10.	Zamonaviy isitish tizimlari.	2-darslik (I bob)
11.	Isitish tizimi quvurlari. Isitish tizimining zamonaviy quvur va armaturalari.	2-darslik (II bob)
12.	Binolarda havo almashtirish tizimlari. Tabiiy va sun'iy havo almashtirish. Ventilyatorlar va ularning turlari.	2-darslik (II bob)
13.	Issiqlik ishlab chiqarish uskunalari va ularning turlari. Qozon qurilmalarining ko'rsatkichlari va tasnifi.	2-darslik (II bob)
14.	Binolarni energiya tejamkorlik muhandislik kommunikatsiyalari.	2-darslik (II bob)
15.	Noan'anaviy energiya manbalari: quyosh energiyasi, shamol energiyasi, biogaz va er osti issiq suvlardan foydalanish	2-darslik (II bob)

Baholash jarayoni

Evaluation System

Mashg'ulot turi Activities	Soni Number	Baholash Percentage of Grade
Darsga qatnashish Attendance / participation	30	15
Laboratoriya ishi Laboratory	-	-
Amaliy ish (qo'shimcha vazifa) Application		
Kurs ishi Field work		
Maxsus kurs amalyoti (ish joyida) Special course internship (work placement)		
Testlar Quizzes / studio critics	5	5
Uyga vazifani baholash Homework assignments	5	10
Ijodiy ish (taqdimot) Presentations / jury		
Loyiha ishi Project		

Seminar Seminar / workshop		
Oraliq nazorat Mid -Terms	2	20
Yakuniy nazorat Final	1	50
O'zlashtirish ko'rsatgichi Percentage of in – term studies		50
Yakuniy imtihon bahosi Percentage of final examination		50
Jami Total		100

ECTS taqsimoti ECTS workload table			
Topshiriqlar Activities	Soni Number	Davomiyligi (soat) Duration (hour)	Umumiy yuklama Total workload
Mashg'ulot soati Course hours	15	2	30
Laboratoriya ishi Laboratory			
Amaliy ish (qo'shimcha vazifa) application			
Kurs ishi Field work			
Mustaqil ta'lim (maslahat) Study hours out of class	5	2	10
Maxsus kurs amalyoti (ish joyida) Special course internship (work placement)			
Uyga vazifani baholash Homework assignments	5	2	10
Testlar / Viktorina Quizzes / studio critics			
Loyiha ishi Project			
Ijodiy ish (taqdimot) Presentations / seminar	5	1	5
Oraliq nazorat Mid – terms (Examination +Examination prep. Duration)	1	10	
Yakuniy nazorat (nazorat va nazoratga tayyorlanish soati) Final (examination +examination prep.Duration)	1	15	15
		Jami yuklama Total workload	90
		Jami yuklama / 30 (soat) Total workload / 30(h)	90/30=3
		Kredit ECTS credit	3

Qo'shimcha eslatmalar Extra Notes	Yo'q (bor bolsa yoziladi) None
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Fan dasturi Mirozo Ulug'bek nomidagi Samarqand davlat Arxitektura-qurilish universiteti kengashning 2024 yil 30-avgustdagi 1-sonli bayonnomasi bilan ma'qullangan.

Kafedra mudiri:

Fayziyev Z.X

Tuzuvchilar:

Yuzbayeva Sh.Z