

REPORT
on the work of the Quality Assurance Committee of the Faculty of
Mechanical Engineering for the academic year 2022-2023

The work of the Quality Assurance Committee of the Faculty of Mechanical Engineering during the academic year was carried out in accordance with the plan. All planned activities were considered at the meetings of the Quality Assurance Committee and reflected in 10 minutes. The main results of the work of the Quality Assurance Committee and the departments of the Faculty of Mechanical Engineering can be considered:

10 educational and methodical meetings on topical issues related to the application of new methodical developments in the educational process were held.

The teaching staff of the Faculty of Mechanical Engineering for the academic year 2022-2023 published 3 textbooks, 4 monographs, 27 teaching aids (Table 1).

Table 1 Intra-university publication of educational and methodical literature

Chairs	Textbooks	Monographs	Training manuals
Technological equipment, engineering and standardization	2	1	9
Nanotechnology and metallurgy	1	3	11
Foreign languages	-	-	7
Total	3	4	27

The plan of the faculty for the issue of educational-methodical literature is 100% fulfilled.

The overfulfillment of the plan of the faculty on the issue of educational-methodical literature for the academic year 2022-2023 amounted to 3 textbooks for the chair of N&M, 2 textbooks for the chair of FL.

According to the plan of 2022 at the Department of Technological Equipment, Mechanical Engineering and Standardization was planned 15 MOOCs, received 7 certificates, 4 MOOCs are being finalized, 4 MOOCs in the work.

15 MOOCs were planned for the N&M chair, 14 certificates were obtained, 1 MOOC is in progress.

In the Department of Foreign Languages, 10 MOOCs were planned, 7 certificates were received, 3 MOOCs are in progress.

For the 2023 plan, 15 MOOCs were planned for the Department of TEE&S, all of them are in the works, as the 2023 Comprehensive Plan has not yet been finalized.

For the 2023 plan, 15 MOOCs were planned for the N&M Department, 2 MOOCs have certificates, the other 13 are in the works, as the Comprehensive Plan 2023 development period has not yet approached.

For the 2023 plan, 10 MOOCs have been planned for the Foreign Languages Department, 2 MOOCs have certificates, the remaining 8 are in the works as the 2023 Comprehensive Plan has not yet reached the development deadline.

Patents: N&M 9 plan/ 10 issues; TEE&S 9 plan/10 issues; FL no patents; SIS: N&M 22 plan/22 issues; TEE&S 25 plan/24 issues; FL 10 plan/10 issues.

The chair of TOM&S in the autumn semester held 2 master classes, in the spring semester 5 master classes with the use of Steam technology methods - studio teaching, communicating presentation with elements of problematic, method of collaboration with elements of crowdsourcing.

In the fall semester the chair of N&M held 1 master class with the application of the method of problem presentation and in the spring semester 1 master class with the application of the method of work in small groups (team).

In the fall semester 3 master classes with the application of Case-Study, task based learning and research based learning methods were held by the Department of Language Arts, and in the spring semester 2 master classes with the application of communicative approach using online resources were held.


The chair of TEE&S held 6 open classes in the fall semester and 7 open classes in the spring semester with the application of methods of lecture-discussion, technology of development of critical thinking, etc..

In the fall semester 3 open classes were held by the N&M chair, in the spring semester 4 open classes were held with the application of methods of lecture-conference, multimedia presentation, etc..

In the fall semester 4 open classes were held by the Department of Language Arts, in the spring semester 5 open classes were held with the use of problem-based learning, team-based learning, etc. methods.

НАО «Карагандинский технический университет имени Абылкаса Сагинова»

- ППС МФ подготовили к участию в Республиканских олимпиадах по специальностям студентов ОП «Металлургия» и «Материаловедение и технология новых материалов», где студенты заняли призовые места.



The collage features several diplomas and a photograph. On the left is a diploma from EKTU for the 1st place winner in the Metallurgy specialty. In the center is a photograph of three individuals (two women and one man) holding their diplomas. On the right and bottom are three diplomas for 2nd, 3rd, and 1st place winners in the Materials Science specialty, all awarded by the Faculty of Metallurgy and New Materials Technology.

Faculty members of MF prepared for participation in the Republican Olympiads on specialties of students of OP "Metallurgy" and "Materials Science and Technology of New Materials", where students took prizes.

On April 13-14, 2023 the team of the educational program "Metallurgy" under the guidance of PhD, senior lecturer of STM department Aubakirov D.R. took part in the II-st stage of the Republican subject Olympiad among students of higher educational institutions in the direction of "Metallurgy" in the East Kazakhstan Technical University named after D. Serikbayev in the october of the Republic of Kazakhstan. D. Serikbayev in offline format.

According to the results of performance the second place in the individual competition was taken by the student of gr. MET-20-2 Saldatkhaan Zhanagat.

April 20-21, 2023 the team of the educational program "Materials Science and Technology of New Materials" under the guidance of Candidate of Technical Sciences, Associate Professor of STM Department Narembekova A.K. took part in the II-st stage of the Republican Subject Olympiad among students of higher educational institutions in the direction of "Materials Science and Technology of New Materials" in the Kazakh National University named after Al-Farabi (Almaty) in offline format.

According to the results of the team Kartu team named after Abylkas Saginov took second place in the team, the second place in the individual competition won the student gr. MV-20-1 Ersyn Islam, the third place was taken by a student gr. MET-20-3 (MB) Mangusheva Olga.

Faculty members of MF departments held a round table with representatives of the Corporate University, employers' organizations to discuss the topics of graduate works of students, in particular, with the head of tunneling site of Kazakhstan mine Bekmagambetov D.D., the head of the site of LLP "Rapid" Alexandrov A.A., with HR Director of GRT LLP Dudakov M.F., with the chief designer of KLMZ LLP "Maker (Maker)" Kondratenko A.G., as well as the meeting was attended by faculty members of TOMiS department.

Also were discussed the issues of formation of QED and MOP for educational programs of MF and the order of their approval after coordination.

Conclusions: in general, the plan of the KOC of the faculty for the academic year 2022-2023 is fulfilled. There are no debts on the issue of educational-methodical literature. Book supply of academic subjects is 100 %. The syllabuses, methodical instructions for all kinds of practices have been revised and approved.

Suggestions: If necessary, together with other departments of the university to hold a training seminar to prevent typical errors in the creation of MOOCs, to avoid the return for revision of already developed MOOCs by departments, it will save time and labor resources of the teacher.

Dean of MF

I.I. Yerakhtina

Quality Assurance Committee of the
Faculty of Mechanical Engineering
Chairman

Zh.N.Nokina