


**EDUCATIONAL PROGRAM DEVELOPMENT PLAN**  
**GB07213 – Mineral Processing**  
**for 2022-2025**

**Approved**  
**Director of the Mining and**  
**Metalurgical Institute**  
  
**Rysbekov K.B.**  
 2022.

Areas of activity	Activities	Timeline			Responsible	Implementation mechanism
		2022-2023	2023-2024	2024-2025		
1. Effective management of quality implementation of the educational program and improvement of mechanisms for managing the educational process	Provision of the EP with normative documents Ministry of Science and Higher Education of the Republic of Kazakhstan; standard of educational program development taking into account inclusion in the unified platform of higher education; sectoral qualifications framework in the field of "Mineral processing", 2019; national qualifications framework in the field of "Mineral processing" 2016	annua Ily	annua Ily	annua Ily	Head of department, university administration	Formation of requests for the acquisition of regulatory documents to the Ministry of Science and Higher Education of the Republic of Kazakhstan. Work with the Department of Quality Management System of the University. Monitoring of EP rating, industry standards, world practices on EP development.
	1. Improving the structure of the EP	annua Ily	annua Ily	annua Ily	Head of the department, university administration	Updating the content of the specialty educational program based on the generalization of modern domestic and world experience of training in this area, the requirements of employers and labor market demands. Work with employers. Monitoring the achievement of the results of the program.

2 Training of managerial, competitive personnel for the implementation of priority directions in the RK	1. Improvement of EP on the basis of introduction of modern educational technologies and methods into the educational process.	annua lly	annua lly	annua lly	Head of the department.	Monitoring and analyzing the needs of employers, satisfaction of graduates.
		annua lly	annua lly	annua lly	Head of the department, CAB	Analysis of the current international experience in the direction of EP.
		annua lly	annua lly	annua lly	Head of the department, CAB	Updating of educational and methodical content taking into account the needs of employers, satisfaction of graduates. Professional development of teaching staff.
2. Development and improvement of the catalog of elective disciplines taking into account the proposals of stakeholders (stakeholders), primarily taking into account the opinion of employers, industry standards, analytics of ratings of the educational program on the National Chamber of Entrepreneurs "Atameken".	2. Development and improvement of the catalog of elective disciplines taking into account the proposals of stakeholders (stakeholders), primarily taking into account the opinion of employers, industry standards, analytics of ratings of the educational program on the National Chamber of Entrepreneurs "Atameken".	annua lly	annua lly	annua lly	Head of the Department, CAB	Professional development of teaching staff. Discussing the issues of improving teaching methods at the methodological seminar of the department and the institute. Use of interactive teaching methods.
		annua lly	annua lly	annua lly	Head of the Department, CAB	Annual monitoring and content of the EP according to employers' proposals. Work with employers.
3. Expansion of practical training of students at mining and processing plants and research institutes of the Republic.	3. Expansion of practical training of students at mining and processing plants and research institutes of the Republic.	annua lly	annua lly	annua lly	Head of the Department, CAB	Conclusion of agreements on interaction and cooperation with mining and processing plants, research institutes.
		perma nently	perma nently	perma nently	Head of the Department,	Plan of career guidance work, constant updating of the website
4. Formation of a quality contingent of students	4. Formation of a quality contingent of students	perma nently	perma nently	perma nently	Head of the Department,	Plan of career guidance work, constant updating of the website

3.Improvement of conditions for quality staffing of OPs	1. Professional development of professorial teaching staff to organize work in new conditions (distance technologies, etc.).	annua lly	annua lly	annua lly	faculty  Head of the Department, faculty, university administration	page, work in engineering classes.  Professional development of professors in leading foreign universities, Russia, mining and processing plants of the Republic.
2. Training of own staff through PhD studies in doctoral programs	3. Participation of professorial teaching staff in external and internal academic mobility programs	annua lly 1	annua lly 1	annua lly 1	Head of Department, CAB  Head of Department, CAB	Employment of young specialists at graduate departments  Participation of faculty in the programs of external and internal academic mobility, including the scholarship program "Bolashak".
4. Invitation of leading scientists from partner universities	5 Increase the share of tenured faculty members in the department	annua lly	annua lly	annua lly	Head of Department, CAB  Head of the department.	Plan to attract foreign scientists, including those from the world's leading universities (TOP-100, TOP-400), to read courses and organize joint research projects.  Renewal of the staff of the faculty of the department on the basis of continuity: - Attracting to teaching and research activities the most competent PhD graduates, as well as production specialists.
4.Research and innovation activities in the development of OPs	1 Activation of innovative developments, Research and development, Research and development work at the department	3	3	4	Head of the Department, faculty	Involvement of faculty and students in initiative, state-budget and contractual research work.  Publication of the results of research work in journals with impact factor. Formation of the scientific school of the leading professors and teaching staff of the department.

5. Development of resource potential for the implementation of the OP	2. Participation in grant, contractual research and projects	3	3	3	Head of the Department, faculty	Increase in the number of grant and contract research, including under grant funding Ministry of Science and Higher Education of the Republic of Kazakhstan.
	3. Achievement of commercialization of the results of scientific research of the professorial-teaching staff of the department	1	1	1	Head of the Department, faculty	Increase in the number of scientific projects and programs implemented jointly with national companies and private enterprises.
	4. Stimulating and motivating students to actively participate in scientific activities	5	5	10	Head of the Department, faculty	Participation in student conferences, competitions of creative works. Involvement of students in the implementation of departmental scientific research. Organization of annual student conferences, Olympiads, competitions.
	5. Increase of scientific-metric indicators, growth of Hirsch index (professors-teaching staff, PhD students).	2	2	3	Head of the Department, faculty	Preparation of scientific publications in journals with impact factor that are included in international scientometric databases (Thomson Reuters, Web of Science, Scopus, ScilDirect, Publons).
	1. Acquisition of office equipment, scientific equipment, technical means of training, visual aids, etc.	+	+	+	Head of department, university administration	Annual procurement plans
2. Acquisition of new laboratory equipment, verification of old equipment.	+	+	+	Head of department, scientific supervisors Research and development (faculty)	Annual procurement plans	

	3. Development of informational and educational resources of the department (website, portal, electronic Educational and methodical complex of the discipline, etc.).	annua Ily	annua Ily	annua Ily	Head of the Department, DIT	Measures for the development of information and educational resources of the university.
	4. Growth of the department's rating, faculty, staff incentives and motivation.	annua Ily	annua Ily	annua Ily	Head of the Department, faculty	Rating Professor teaching staff

Discussed at the meeting of the Department of "MaMP"  
Minutes № 3 of September 27, 2022.

**Head of the Department**  
**"Metallurgy and mineral processing"**



**M.B. Barmenshinova**