

SHYMKENT UNIVERSITY



Faculty of Natural Sciences and Humanities

"APPROVED"  
Dean of the Faculty of Natural Sciences and  
Humanities, Candidate of Geographical Sciences  
A. A. Saubembayev  
" 28 " " 2023 yr.

**Annual plan of educational and methodical work  
Departments of "Natural Sciences"  
for the 2023-2024 academic year**

Discussed at the department meeting  
Protocol No 1 2023 «28» 08

Approved at the meeting of the Methodological Council of the Faculty  
Protocol No 1 2023 «28» 08

## EDUCATIONAL AND METHODOLOGICAL WORKS

### 1. Publication of textbooks, educational and teaching aids, methodological guidelines, electronic teaching aids

#### a) Publishers by decision of the Republican Educational and Methodological Council

№	Full name of the author	Name of the discipline	Type of EML	Title	Availability of ISBN (yes/no)	Publication volume, pr.	Term of execution
1	Issayeva A.U., Karimova S.S., Tlegenova K.B., Akhynova U.S..	Fundamentals of biotechnology	Textbook	Введение в биогеотехнологию	yes	10.0	december, 2023 yr.

#### b) Publishing house by the decision of the of Shymkent University

№	Full name of the author	Name of the discipline	Type of EML	Title	Availability of ISBN (yes/no)	Publication volume, pr.	Term of execution
<b>1. Textbook</b>							
1	Aralbayeva R. A.	General research	Textbook	Жалпы жертану	yes	7.0	november, 2023 yr.
2	Sypabekov N.S.	Toponomics	Textbook	Топономика	yes	7.0	november, 2023 yr.
3	Kydyrbayev A. K.	Socio-economic geography of the CIS	Textbook	ТМД-ның әлеуметтік-экономикалық географиясы	yea	7,0	november, 2023 yr.
4	Tlegenova K. B., Mambetova L.M.	Hydrobiology	Textbook	Гидробиология	yes	7,0	december, 2023 yr.
5	Kydyrbaeva A. E., Myrzaliyeva G. B.	Landscape design	Textbook	Ландшафтты дизайн	yes	7,0	december, 2023 yr.
6	Koblanova O. N.	Physical and colloid chemistry	Textbook	Физикалық және коллоидты химия	yes	9,0	december, 2023 yr.
7	Kistaubayev E. I., Samikhova M. R.	Chemical fundamentals of biotechnology	Textbook	Биотехнологияның химиялық негіздері	yes	7,0	january, 2024 yr.
8	Tlegenova K. B.,	Innovative technologies of	Textbook	Жоғары мектепте биология-ны	yes	7,0	february, 2024 yr.

	Simakhova R.M.	teaching biology high school		оқытудың инновациялық технологиялары			
9	Zhumadulayeva A. I., Tuleshova T. K., Ashirbayeva S. B.	Sandy analysis	Textbook	Сапалық және сандық анализ	yes	7,0	february, 2024 yr.
<b>2. Training and methodological manual</b>							
1	Ashirbayeva S. B.	Invertebrate Zoology	Educational and methodical manual	Омыртқасыздар зоологиясы пәні бойынша оқу дала іс-тәжірибесін ұйымдастыруға арналған	yes	4,5	december, 2023 yr.
<b>3. Collection of lectures, methodical instructions</b>							
1	Kydyrbayeva A. E.	Genetics	methodical manual	Генетика	yes	2,5	december, 2023 yr.
2	Ashirbayeva S. B.	Organization and planning of research work	methodical instructions	Ғылыми зерттеу жұмысты ұйымдастыру және жоспарлау	yes	2,5	december, 2023 yr.
3	Boranbayeva L.	Imagiologia	collection of lectures	Имиджеология	yes	2,5	december, 2023 yr.
4	Samikhova M.	Physical chemistry	collection of lectures	Физикалық химия	yes	2,5	december, 2023 yr.
<b>4. Electronic textbooks</b>							
1	Tlegenova K. B.	Fundamentals of biotechnology	Electronic textbook	Биотехнология негіздері	yes	10.5 b.t.	december, 2023 yr.

## 2. Developing MOOCs

№	Full name of the teacher	MOOC name	Number of video lectures	Term of execution
1.	Candidate of Chemical Sciences, docent Koblanova O.N.	Physic-colloidal chemistry	15	november, 2023 yr.
2.	Master's degree, senior lecturer Aralbayeva R.B.	Physical geography of continents and oceans	15	december, 2023 yr.
3.	Master's degree, senior lecturer Akhunova U.S.	Human anatomy		february, 2024 yr.

### 3. Conducting training seminars

Full	Name of the Teacher	Topic of the report	Time of the seminar
1.	Candidate of Agricultural Sciences, senior lecturer Zhumadulayeva A. I.	Issues of improving teacher training in the direction of Biology	november, 2023 yr.
2.	Senior lecturer Ashirbaeva S. B.	Digital technologies in the educational process	december, 2023 yr.
3.	Master's degree, senior lecturer Akhunova U.S.	Significance of the dual system of training future specialists	february, 2024 yr.
4.	Candidate of Chemical Sciences, docent Koblanova O.N.	Methods of using updated technologies in lectures on the discipline «Chemistry»	april, 2024 yr.

### 4. Quality control of the educational process and open lessons

#### a) Total attendance of teaching staff of the department

№	Full name of the teaching staff	September	October	November	December	February	March	April	May	Used methods of teaching
1.	master, senior lecturer Kenesova A. P.	L/3,6								presentation
2.	master, lecturer Patashova A.		P/ 4, 5							communicative method
3.	Candidate of Agricultural Sciences, docent Kydyrbaeva A.E..			L/5,7						innovative technology
4.	Candidate of Agricultural Sciences, senior lecturer Zhimelkova R. Zh.				L/9,13					business game, innovative technology
5.	Candidate of Chemical Sciences, docent Shingisbaev B.M.					L/2,14				communicative method, lesson quiz

6.	Candidate of Agricultural Sciences, senior lecturer Zhumadulayeva A. I.						L/6,13			case study, dialogue with the audience
7.	Candidate of Chemical Sciences, docent Iztleuov G.M.							L/2,10		communicative method, lesson quiz
8.	master, senior lecturer Sultanova Sh. Zh.								L/4,12	communicative method, dialogue with the audience
9.	master, senior lecturer Aralbaeva R. B.			L/1,5						a case study, dialogue with the audience
10.	Candidate of Agricultural Sciences, senior lecturer Karabaeva G.U.				P/4,8					innovative technology
11.	master, senior lecturer Sypabekov N. S.					P/3,9				communicative method, dialogue with the audience
12.	Candidate of Biological Sciences, senior lecturer Aitbaev N. E.						L/8,10			business game, innovative technology
13.	master, senior lecturer Kistaubaeva U.K..							P/5,11		presentation
14.	master, senior lecturer Boranbayeva L.R.								P/1,12	innovative technologies

**b) Plan of open teaching staff lessons**

Full	Name of the Teacher	Discipline, name of the lesson	Type of lesson	Time of the event
1	doctor of Biological Sciences, Professor Issayeva A.U.	Genetics. Genealogical method. Chronicle.	lecture	18.10.2023 yr.
2.	master, senior lecturer Samikhova M. R.	Physical colloid chemistry. Characteristics of colloidal chemistry as a science.	lecture	02.11.2023 yr.

3.	master, senior lecturer Kistabaeva U. K.	About dreams of personal success. Environmental problems in Kazakhstan. Soil contamination.	practical	15.11.2023 yr.
4.	master, senior lecturer Boranbaeva L. R.	Histology. The nervous system. Study of the reflex arc.	laboratory	29.11.2023 yr.
5.	master, senior lecturer Myrzalieva G. B.	Human anatomy. Digestive system	lecture	07.12.2023 yr.
6.	candidate of Biological Sciences, docent Mutaliev A.M.	Methodology of teaching biology in postgraduate education. Educational innovative methods of biology	lecture	15.02.2024 yr.
7.	candidate of Agricultural Sciences, docent Kydyrbaeva A.E..	Applied Biology. Biological and agrotechnical requirements for seed material	lecture	19.03.2024 yr.
8.	master, senior lecturer Samikhova M. R.	Chemistry. Solutions	lecture	10.04.2024 yr.
9.	doctor of Biological Sciences, Professor Issayeva A.U.	Applied research methods in biology. Application of microscopy in biological research	lecture	16.04.2024 yr.
10.	candidate of Agricultural sciences, senior lecturer Zhumadulayeva A. I.	Biochemistry. Protein biosynthesis	practical	17.04.2024 yr.
11.	candidate of Chemical Sciences, docent Iztleuov G.M.	Modern problems of environmental chemistry. State of ecology	practical	15.05.2024 yr.

### 5. Guest lectures with visits to other universities

№	Full name of the responsible teacher	Name of the university, country, city	The duration of the event	The number of academ. hour's
1.	Tlegenova K. B.	I. Arabaev KSU, Bishkek, Kyrgyzstan	september, 2023 yr.	december, 2023 yr.
2.	Koblanova O. N.	I. Arabaev KSU, Bishkek, Kyrgyzstan	september, 2023 yr.	december, 2023 yr.

**6. Plan of the «School of pedagogical excellence»**

No	Full name, teaching position	Place of work	Name of the event	Topic	Period	Classroom
1	Candidate of Biological Sciences Suleimenova Moldir Tursynbekova	Miras University Sector «Natural Science, physical culture and Design»	Seminar	On methodological manuals used in biology lessons and their significance	23.11. 2023	330
2	Candidate of Chemical Sciences, Associate Professor Shagraeva Bibigul Bekenovna	SKPU named after O.Zhanibekov Department of «Chemistry»	Seminar	Improving students 'cognitive activity in chemistry lessons	16.02. 2024	330
3	Candidate of Chemical Sciences, Associate Professor Shitybaev Serikbek Altynbekovich	SKPU named after O.Zhanibekov Department of «Chemistry»	Seminar	STEM Technologies in Teaching Natural Sciences opportunities	18.03. 2024	330
4	Candidate of Agricultural Sciences Esentureeva Gulmira Dzhumanova	SKPU named after O.Zhanibekov Department of «Biology»	Seminar	Multimedia lectures. Multimedia practical exercises.	15.04. 2024	330

Head of the department

Tlegenova K. B.

Responsible for the EMW

Sultanova Sh. Zh.