

Institute of Natural Science and Geography

Educational programs "Chemistry"

Subsidiary "Chemistry" is equipped with laboratory facilities for research work, laboratory equipment is used and updated, and reagents necessary for research work are replenished. The Department of Chemistry has 2 lecture rooms with a capacity of up to 50 people in each and 9 laboratory rooms, 4 preparatory rooms and 3 rooms for teachers. Two lecture halls (716, 719) have an interactive whiteboard with a multimedia projector complete with a computer. All offices and preparatory rooms have computers and printers. The laboratories have operating fume hoods, muffle and drying cabinets, the necessary special chemical equipment, chemical glassware, etc.

Educational laboratory №701-laboratory of physical and colloidal chemistry. 701 laboratories are equipped with modern teaching and laboratory equipment, 4 modules of the educational and laboratory complex: educational and laboratory complex "Chemistry", "General chemistry", "Environmental chemistry", "Physical chemistry", they all have software, 10 computers in a set, 2 printers.

Laboratory 701 conducts classes in physical and colloidal chemistry. Educational laboratories № 703, 705 - laboratory of inorganic chemistry. In the 703 and 705 educational laboratories, classes are conducted on the theoretical basis of inorganic chemistry and on the chemistry of the elements of the periodic system. Inorganic chemistry laboratories are equipped with the necessary laboratory equipment and reagents. Availability of a list of equipment available in the office: pH meter, electronic scales, drying cabinet, hydrometer, barometer, Kipp apparatus, gas meter, devices for electrolytic dissociation, indicators, fume hood, electronic scales, laboratory tables, school desks, gowns, rubber gloves, protective glasses.

- Educational laboratory № 707 - laboratory of analytical chemistry. In the laboratory of analytical chemistry, practical classes are conducted on qualitative and quantitative analysis. For this, the laboratory has all the necessary equipment and chemical reagents: a muffle furnace, drying oven, electronic technical and analytical scales, centrifuge, pH meter, fume hood, hydrometer, titration equipment, equipment for qualitative analysis, chemical reagents.
- Educational laboratory № 709 - laboratory of chemical synthesis. The laboratory of chemical synthesis conducts classes in petrochemistry, analysis of oil and oil products, and chemical synthesis. It is equipped with modern teaching and laboratory equipment: atomic absorption spectrometer, UV spectrophotometer, cation chromatograph, pH meter, ionometer and AVR for oil distillation, mini thermostat, fume hood, drying cabinet, etc.
- Educational laboratory № 711 - laboratory of chemical technology. Laboratory classes in chemical technology are conducted in 711 educational laboratories. In the laboratory of chemical technology there are: a fume hood, desks, laboratory tables, chemical reagents, installations for cracking petroleum products, installations for the production of nitric, sulfuric acid, glyphthalic resin and copper-ammonia fiber; drying cabinet, electronic scales, hydrometer, muffle furnace.
- Educational laboratory № 712 - general chemistry laboratory. Laboratory 712 conducts laboratory classes in general chemistry. The laboratory has: chemical laboratory tables, cabinets, fume hood, chemical glassware, electronic technical scales, computer available, printer.
- Educational laboratory № 718 - laboratory of organic chemistry. Organic chemistry classes are held in the organic chemistry laboratory. Availability of a list of equipment available in the office: drying cabinet, fume hood, electric stove, laboratory tables, equipment for organic chemistry.
- Educational laboratory №715 - scientific and educational laboratory for undergraduates and doctoral students.
- Chemistry teaching methodology laboratory No. 710The laboratory area is 35 sq.m. It is intended for conducting lectures and laboratory classes on the methods of teaching chemistry.The laboratory is equipped with equipment for conducting and demonstrating experiments - a fume hood, hydrometer, reagents for laboratory studies, instruments and utensils, instruments, demonstration printed materials, dynamic manuals, reference and handouts, diagrams and posters, etc.

AUDIT FUND

№ п/п	Cabinet number, name	Lek, sem, laboratory /	Number of seats	square	Note(video surveillance, interactive whiteboard)
1	№701 laboratory of physical and colloidal chemistry	laboratory	9	54	video surveillance, technical security log
2	№703 laboratory of inorganic chemistry	laboratory	9	54	technical safety journal
3	№705 laboratory of inorganic chemistry	laboratory	10	54	video surveillance, technical security log
4	№707 analytical chemistry laboratory	laboratory	14	54	video surveillance, technical security log
5	№709 Chemical laboratory for doctoral students	laboratory	4	56,1	video surveillance, technical security log
6	№710 Chemistry teaching methods laboratory	laboratory	6	35	Interactive whiteboard, video surveillance, technical security magazine

7	№711 chemical synthesis laboratory	laboratory	10	56,1	video surveillance, technical security log
8	№712 Inorganic chemistry laboratory	laboratory	8	55,6	video surveillance, technical security log
9	№715 Chemical laboratory for undergraduates and doctoral students	laboratory	6	35	video surveillance, technical security log
10	№716 lecture	lek, sem	26	65	video surveillance, technical security log
11	№717 Лаборатория органической химии	laboratory	9	57	video surveillance, technical security log
12	№719 lecture	lek, sem	18	55	Interactive whiteboard, video surveillance, technical security magazine

Chemistry laboratory:



№701 Physical and Colloidal Chemistry Laboratory



№703 Inorganic chemistry laboratory

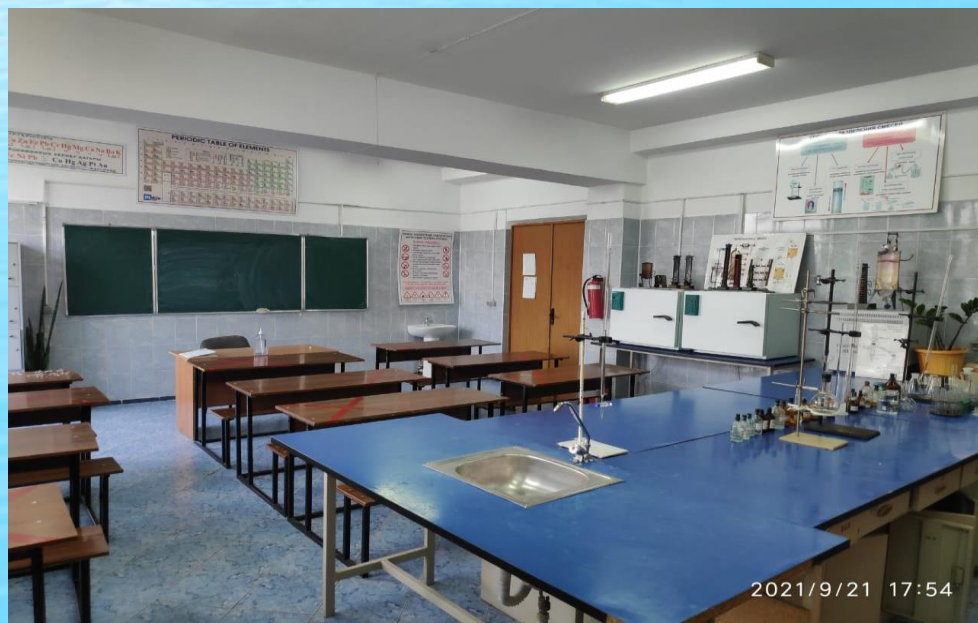


№707 Analytical chemistry laboratory



№711 Chemical technology laboratory





№710 *Chemistry teaching methodology laboratory*

