

# Innovative technologies in prospecting and exploration of solid minerals

Peoples' Friendship University of Russia

Degree or qualification is awarded:

Master's Degree

Language of study: **Russian**

Mode of study: **full-time**

Duration: **2 years**

Availability of free education: **yes**

Price: **284 100 RUB per year for CIS students; 4 600 US \$ per year for Int. students**

Programme curator: **Dyakonov Viktor**

Tel.: **+7 (495) 955-07-43, +7 (495) 954-00-34 (#1038)**

E-mail: [priem@rudn.ru](mailto:priem@rudn.ru)

## Programme Focus

The program focuses on the fact that the graduate will be able to:

- analyze the geological and genetic models of mineral deposits, the methods of calculation of reserves and forecast resources.
- examine the material composition of minerals manifestations of natural and manmade objects, to conduct geological and technological evaluation of mineral resources, to carry out diagnostics of ore minerals and the sequence of their formation, as well as to carry out the study of the chemical composition and physical properties of ores and minerals.
- apply the methods of mathematical modeling and processing for the study and prediction of mineral deposits;

## Programme advantages

The program is designed to provide the necessary knowledge and skills in the study of the laws of the formation of local clusters of mineral raw materials; by mineragenous forecasting on the basis of geological data; for conducting geological prospecting and exploration, to conduct geological and economic evaluation of deposits of solid minerals.

## Graduates' expertise and career opportunities

- academic and institutional research organizations associated with the solution of geological problems;
- geological organization, exploration and mining companies and companies involved in prospecting, exploration and extraction of mineral raw materials;
- organization related to environmental monitoring and addressing environmental problems;

- educational institutions of secondary vocational and higher education.

## **Specializations within this programme**