

Пятница 18:30-20:05 ауд.611

Зав. кафедрой геокриологии, доктор геол. мин. наук, профессор

Брушков Анатолий Викторович

Глобальные изменения климата и реакция криолитозоны.

Радиационно-тепловой баланс Земли и планет. Роль атмосферы. Современные тенденции изменения климата. Тепловая история Земли, потепления и похолодания. Ледниковые эпохи. Причины изменений климата в геологической истории. Роль геологических процессов. Выветривание, осадочное породообразование, горообразование, вулканизм, импактные события и их влияние на климат. Органическое вещество, микроорганизмы и газы в литосфере и атмосфере, их роль. Ледники, их образование и значение. Температурный режим литосферы. Причины формирования многолетнемерзлых пород. Вечная мерзлота в истории Земли. Подземные льды, их генезис и распространение. Криогенные процессы. Криолитозона и деятельность человека. Реакция криосферы на глобальные процессы и последствия изменений климата.

Global climate change and permafrost response.

Radiation balance of the Earth and planets. The role of the atmosphere. Current trends regarding climate change. The thermal history of the Earth, warming and cooling events. Ice ages. Causes of climate change in geological history. Role of geological processes. Weathering, sedimentation, mountain formation, volcanism, impact events and their effect on the climate. Organic matter, microorganisms and gases in the lithosphere and the atmosphere, their role. Glaciers, their formation and significance. Temperature regime of the lithosphere. Reasons for the permafrost formation. Permafrost in the Earth history. Ground ice, its genesis and distribution. Cryogenic processes. The cryolithozone and the human activity. Cryosphere response to global processes and impacts of the climate change.

Вторник 16:45-18:20 ауд.830

Professor Irina Kuptsova

«Post-soviet sphere: Dialogue and Conflicts»

The goal of this course is to show the specific character of international relations in Russia-Eurasia area through the historical retrospective. The course is divided into two units. The first unit discusses the patterns of Russian Historical Development from middle ages till 1991. Special attention is given to the process of entrance of different ethnic groups into Kievan Rus – Muscovite Russia – Russian Empire – USSR and their relations with the Russian ethnic group and public administration, analyses of the process of preserving ethnic identity, and issues in cultural, political and socio-economic cooperation during IX-XX centuries. The second unit will survey of recent political developments and problems in Eurasian states. Special attention is given to the contemporary relations between these states and Russia, analyses of conflicts and searching for ways of overcoming them.