The course "geochemistry and hydrological balance" deals with different geochemical systems, particularly in the area of the Earth's upper crust, geochemical processes that leads to changes in rocks and rearrangement of elements or element groups as well as the respective transport mechanisms. The main focus will be on aquatic processes and thus, also on common hydrogeological aspects like water cycle, water storage and problems concerning the water contamination.

**Intended learning outcomes**

Students possess fundamental knowledge of geochemical and hydrological processes, particularly in the Earth's upper crust, which is the basis of further studies in the area of environmental sciences and hydrogeology.