

**Course name: Environmental protection humans and environment** (USOS Code: B-BMED.2018Eng)

**ECTS:** 4

**No. of hours:** 60 (30 lectures + 30 classes [of which 15 field classes])

**Course coordinator:** Dr hab. Marek Kucharczyk, prof. UMCS

**Prerequisites:** General knowledge of botany, zoology, ecology and geography

**Course description:** Forms of environmental exploitation. Degradation of pedosphere: erosion, biological degradation, contamination of soils. Global climate change. Social and economic impacts of climate change. Health effects of air pollution (smog, ozone depletion). Human impacts on the global water cycle. Water pollution (eutrophication, petroleum products, plastics). Water resources, access to drinking water, sanitation and hygiene. The concept of biodiversity – problems of biodiversity protection. Biological extinction and expansion. Forms of environmental exploitation. Environmental exploitation - sustainable development strategy.

**Recommended literature:** Ahluwalia V.K. 2015. Environmental Pollution and Health, New Delhi: TERI; Harrison R. M. 2001. Pollution: Causes, Effects and Control, 4th ed., Cambridge: Royal Society of Chemistry; Spellman F.R.; Stoudt M.L. Lanham M.D. 2013. The Handbook of Environmental Health, Scarecrow Press.