MA in Enviromental Protection, specialization Ecohydrology

Institution	Faculty of Biology and Environmental Protection Department of Applied Ecology (DAE) University of Lodz
Name of the programme	Enviromental Protection (ochrona środowiska) Specialization: Ecohydrology
Degree to obtain	Master of of Environmental Protection - specialization Ecohydrology
Duration	4 semesters (2 academic years)
Language of instruction	English
ECTS points	120
Programme description	MA in Ecohydrology aims to create highly specialized professionals in the area of Ecohydrology (EH). Ecohydrology (EH) is a sub-discipline of hydrology that seeks to understand the ecological processes controlled by the hydrological cycle. GRADUATE PROFILE • describes the link between ecology and hydrology and applies it as a management tool for protection and sustainable use of the natural environment, in context of modern methods and ecohydrological biotechnologies, and with consideration of current environmental policy, • determines the ecological processes that support the resilience of aquatic ecosystems and plans how to harmonize them with existing engineering infrastructures at the river basin scale, to achieve sustainable aquatic ecosystems use and to reverse the processes of human caused degradation, • uses an holistic perspective of freshwater ecosystems functioning, under natural and anthropogenic pressures, and by this regulates ecological processes based on understanding of the "water - biota interactions", from a molecular (e.g., microbial loop) to an ecosystem (biomanipulation), and than to a landscape scales

	(reforestation, creation of land/water ecotonal buffer zones), • estimates the social and economic values of aquatic ecosystems, and develops the research and applications required to support and implement conservation and adaptation measures for the sustainable management of aquatic environments, • applies advanced tools in the planning, conception and design phases of ecohydrological projects, • uses communication and research skills for integrated team work, decision supporting systems for community policy, and for creation the interface between researchers, stakeholders and decision makers. STUDY SUBJECTS 1. Ecohydrology 2. Environmental Modelling and Statistics 3. Ecotoxicology 4. Environmental / Landscape Planning 5. Environmental Protection Politics 6. Ecological Risk Assessment 7. Applied Aquatic Ecology 8. Applied Hydrology 9. Urban Ecohydrology 10. Phytotechnologies & Phytoremediation 11. Wetlands & Land-Water Ecotones 12. Ecohydrology for Sustainable Fisheries & Aquaculture 13. International Water Resources Law 14. Environmental GIS 15. Bioindicators 16. Eutrofication Symptoms Control 17. Watershed Pollution Control 18. Hydroacoustic in Fisheries & Ecology 19. Fish-based Assessment & River Restoration 20. Long-term Ecological Research 21. Trophic Relationships in Reservoirs Thesis Seminary Thesis Laboratory DIPLOMA WORK
Tuition	The charge of 8800 PLN/year applies for Polish and the EU/EFTA citizens. 3000 EUR/year for students from outside the EU/EFTA, exclusive of an additional 200 EUR charge that covers registration fee (for students of Polish origin the tuition is reduced by 50%).
Deadline for application	15 July 2017

Requirements	An applicant who has successfully accomplished a first degree of higher education equivalent to a B.Sc. degree in one of the following subjects: biology, ecology, geosciences, environmental protection, limnology, hydrology, aquatic engineering or any similar subject. Admission procedure requires the legalized Bachelor's Degree Diploma (or other document confirming bachelor's degree studies graduation) with the transcript of records and the English Language Certificate.
Contact	For questions about the studies please contact: dr Małgorzata Łapińska malapi@biol.uni.lodz.pl Phone: (48) 42 635 44 38 Fax: (+48) 42 665 58 19 For admission procedure: International Students Office University of Lodz Address: 21/23 Matejki street, 91-237 Lodz, Poland Phone: +48 42 635 42 37 Fax: + 48 42 635 47 89 e-mail: iso@uni.lodz.pl www.iso.uni.lodz.pl
www	http://iso.uni.lodz.pl/study-in-english/studies-in-english www.biol.uni.lodz.pl www.kes.uni.lodz.pl

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