COURSE DESCRIPTION						
Type of study full-time 1st degree (BSc) Field of study Landscape Arch						hitecture
Specialization Green Areas Management						
Code Course name (acc. to curricula of study)						ECTS point
AK 2005 Physiography II						4
Unit running the course Dep. of Environmental Protection and Management						Semester III
Number of hours in semester	L-15	A - 0	Lb-0	Ws - 30	$\mathbf{D} - 0$	S - 0
Lerning outcomes Students can understand of the relationships between the elements of the natural environment and natural processes and forms of land management; define the features of the natural landscape of Poland; practical use of the natural information sources; combine decisions considering various forms of land management with their natural determinants. Prerequisites:						
Physiography I						
Frame programme						
The hydrological cycle, water balance of the Earth. Water resources. Catchment. Rivers, surface water networks. River gauging, depth of river, river flow. Runoff, river regimes, drought and flood. Flood routing. Water balance. Water management. The origin of groundwater. Water in the vadose zone. Water in the phreatic zone. Aquifer. Unconfined groundwaters. The relationship between unconfined groundwater and river water. Confined groundwaters. Groundwater movement. Chemical composition of natural waters. Migration of elements. Hydrological and hydrogeological maps. Surface water and groundwater of Poland.						
Form of lecture a	ssessment					
_	\neg					
Kolloquium	Final test	Writ	ten exam	Oral exam	Ш	
References: 1. Bajkiewicz-Grabowska E., Mikulski Z., 2010. Hydrologia ogólna. Wyd. Naukowe PWN, Warszawa. 2. Byczkowski A., 1999. Hydrologia, t. I i II. Wyd. SGGW, Warszawa. 3. Macioszczyk A. (red. nauk.), 2007. Hydrogeochemia strefy aktywnej Wyd. Nauk. PWN, Warszawa. 4. Macioszczyk A. (red. nauk.)., 2011. Podstawy hydrogeologii stosowanej. Wyd. Nauk. PWN, Warszawa. 5. Mikulski Z., 1998. Gospodarka wodna. Wyd. Nauk. PWN, Warszawa. 6. Shaw E. M., 2005 (e-book). Hydrology in Practice. Taylor & Francis. 7. 8. The content was worked out by: dr Piotr Kondratiuk Date: 2011-10-01						
The content was worked out by: dr Piotr Kondratiuk Supervisor of unit (department): dr hab Piotr Banaszuk						

[|] Supervisor of unit (departament): dr hab. Piotr Banaszuk *) Department of Technology in Engineering and Environmental Protection **) Department of Basis of Building Engineering and Construction Engineering