

Modulbezeichnung/ module notation	8. Hydraulic Plannings and Projects II
Modulniveau/ module level	Master
Studiensemester/ semester	2
Kürzel/ abbreviation	HPP II
Lehrveranstaltungen/ courses	8.1 Global Water resource management and strategies
	8.2 Design of dams, water treatment and waste waterplants
	8.3 Plannings and project
Modulverantwortlicher/ module responsible	Prof. Dr.-Ing. Bernd Ettmer
Dozent(in)/ lecturer	Prof. Dr.-Ing. Gilian Gerke Dr. Thilo Weichel Prof. Dr.-Ing. Bernd Ettmer Prof. Dr.-Ing. Uwe Brettschneider Prof. Dr.-Ing. Torsten Schmidt
Sprache/ language	english
Zuordnung zum Curriculum/ correlation to curriculum	Compulsory module
Lehrform/SWS/ teaching form/contact hours	6 SWS lecture and excursion
Arbeitsaufwand/ amount of work	180 h
Kreditpunkte/ credit points	6
Voraussetzungen nach Prüfungsordnung/ requirements	Bachelor degree
Empfohlene Voraussetzungen/ recommended requirements	Hydraulics, Hydrology, Environmental Engineering
Form der Prüfung/ form of exam	Homework or written examination
Angestrebte Lernergebnisse/ target educational objective	Planning strategies and design of water management systems, Rehabilitation of water management systems
8.1: Global Water resource management and strategies (Gerke, Weichel)	Global water resources management and strategies, Project management software, Flood-control and flood protection, hydraulic design of dikes
8.2: Design of dams, water treatment and waste waterplants (Schmidt, Brettschneider, Ettmer)	Design of dams in international consulting projects, Rehabilitation of dam structures, Design of spillways, Design of Waste water plants construction details, Water supply and water treatment
8.3: Plannings and project (Schmidt)	Design of sewage systems and potable system, rehabilitation of pipeline systems
Medienformen/ used media	Powerpoint presentation, White board
Literatur/ literature	