



Technische Universität Berlin
Chair of Water Resources Management and Modeling of
Hydrosystems
Prof. Dr.-Ing. R. Hinkelmann



in cooperation with:
Ingenieurgesellschaft Prof. Dr. Sieker mbH, Hoppegarten
Hon.-Prof. Dr.-Ing. H. Sieker

Announcement of a lecture in WS 2015/16

Water Resources Management

Start: 13 Oct 2015 at 2:15 pm, TIB-area, room: TIB21-004

Water Resources Management deals with the utilisation of water resources and the protection against water. It includes aspects of water quality, ecology and economy. Based on field measurements and deterministic or stochastic models, predictions of natural and human influenced hydrological processes are carried out for the planning, designing and managing of water resources systems.



The lecture teaches *statistical methods, reservoir and flood risk management, water pollution control and river rehabilitation* in the context of *multi-criteria-assessment* and the *EU-Water Framework Directive*.

The lecture comprises 6 ECTS and consists of 2 parts:

- 9 integrated lectures (3h each) in the first half of the semester
- one-week short course “Modelling in water resources management“ in the second half of the semester



The module *Water Resources Management* is an elective compulsory lecture (Wahlpflichtmodul) in the competence field Hydrosociences in the master programme *Civil Engineering*. It also can be chosen as a basis lecture (Basisfach) for other competence fields or as elective lecture (Freie Wahl). It can be chosen as an elective lecture (Ergänzungsfach) in the master programme *Environmental Technology* and as an elective lecture (Wahlpflicht-Kernfachbezogen, Ingenieurfach) in the master programme *Geotechnology*. The lecture is carried out in cooperation with the international master programme *Euro Hydro-Informatics and Water Management* of BTU Cottbus.

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