

## COURSE DETAIL

### ADVANCES IN WATER MANAGEMENT AND CLIMATE ADAPTION

**Country**

Germany

**Host Institution**

Technical University Berlin

**Program(s)**

Technical University Berlin

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Environmental Studies

**UCEAP Course Number**

108

**UCEAP Course Suffix****UCEAP Official Title**

ADVANCES IN WATER MANAGEMENT AND CLIMATE ADAPTION

**UCEAP Transcript Title**

WATER MANAGEMENT

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

The lecture series on "Advances in Water Management and Climate Adaptation" is a comprehensive course designed to explore the latest techniques, tools, technologies, strategies, and policies in managing water resources and adapting to the challenges posed by climate change. Tools and technologies will include, among others, advanced modelling techniques, digital technologies, remote sensing, and geographic information systems. Water management and climate adaptation strategies and policies will unpack the intertwined relationship between environmental, technological, societal, and economic stakes, and include topics related to climate justice, multi-objective optimization, risk and conflict management, and multi-sector dynamics under uncertainty. After an introductory session, different early-stage researchers from international universities, research institutions, technology centers, and policy institutes will present cutting-edge research, projects, lessons learned, challenges, and visions on water resources management and climate adaptation. Each lecture will be followed by a class discussion.

### Language(s) of Instruction

English

### Host Institution Course Number

51075

### Host Institution Course Title

ADVANCES IN WATER MANAGEMENT AND CLIMATE ADAPTION

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Institut für Strömungsmechanik und Technische Akustik

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