



# PHYSICAL HYDROLOGY

## CEE 476 (3)

Photo: ISWS

Instructor: Prof. Erkan Istanbuluoglu, Civil & Env. Eng.  
T & Th 10:30-12:20, More Hall, Room 225

Civilization is dependent on water. Water is either too much or too little in a given space and time, while our demand for water continuous to rise.

Growing concerns about water supply security, water quality, and flood risks under climate change, urbanization, and population growth, challenge engineers, ecologists, and managers to ***understand the hydrologic cycle to help sustain healthy environments, strong economies, and vibrant communities.***

- ✓ Discover what drives the movement of water between land, ocean, and atmosphere.
- ✓ Explore the influence of climate, land cover & land use, and urbanization.
- ✓ Understand impacts of climate change on floods & droughts.
- ✓ Solve real-world problems--reservoir sizing, and storm water management.



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UNIVERSITY of WASHINGTON