CEE 6930 Special Problems (CRN 46073)
Advanced Hydrology through CUAHSI Virtual University
Fall 2025

David Tarboton david.tarboton@usu.edu

CUAHSI Virtual University is a unique national online course, consisting of highly specialized water research modules from recent research advances. It aims to enhance the depth of graduate course offerings at universities across the nation. Students from participating universities enroll in a subset of modules of their choosing. Students earn credit at their home institutions. Each module is offered by an instructor at one of the participating universities scheduled in a four week block at the times below. Students choose which of these modules they want to take. **Register for one unit of CEE 6930 (CRN 46073) for each module you will take**. Each module is significant work and three modules are equivalent to a full semester course. Classes are taught online using Zoom and Canvas by the instructor from a participating university.

	Module 1: Sep. 3 - Sep. 30	Module 2: Oct. 8 - Nov. 4	Module 3: Nov. 10 - Dec. 9
Monday/Wednesday 2:30 - 4:00 pm ET / 12:30 - 2:00 pm MT	**Applying Geographic Information Systems for Terrain and Watershed Analysis in Hydrology** David Tarboton, Utah State University	**Hydrologic Data Visualization** Sam Zipper, University of Kansas	**Uncertainty Quantification, Sensitivity Analyses and Inverse Methods in Hydrology** Zach Perzan, University of Nevada, Las Vegas
Monday/Wednesday 4:00 – 5:30 pm ET / 2:00 – 3:30 pm MT	**Ecohydrology of Groundwater Dependent Ecosystems** Steven Loheide, University of Wisconsin Madison		**Snow Hydrology: Focus on Modeling** Jessica Lundquist, University of Washington
Tuesday/Thursday 11:00 am – 12:30 pm ET / 9:00 – 10:30 am MT		**Geospatial and Hydrologic Data Catalogs and Processing Using Google Earth Engine** Samapriya Roy, University of Nevada Reno	**Infiltration Process and its Modeling** Xixi Wang, Old Dominion University
Tuesday/Thursday 3:30 – 5:00 pm ET / 1:30 – 3:00 pm MT	**Standardized Evapotranspiration modeling for agricultural applications** Meetpal Kukal, University of Idaho	**Sustainable Human-Water Systems** Landon Marston, Virginia Tech	

Times are given in Eastern Time (ET) as well as Mountain Time (MT) used in Utah.

To attend, you register twice:
- Register at USU for CEE 6930 to receive USU credit (1 unit / module)
- Register at CUAHSI to enter into the CUAHSI system

For more information, see
http://hydrology.usu.edu/dtarb/CUAHSIVirtualUniversity/

Virtual University
Fall 2025

Take on-line classes with hydrology experts at other universities and get credit at your university!

For more information, including the course catalog, please visit www.cuahsi.org or email commgr@cuahsi.org

CUAHSI
allied for water science

Course Offerings

- Geospatial and Hydrologic Data Catalogs and Processing Using Google Earth Engine
  - Samapriya Roy, University of Nevada - Reno
- Applying Geographic Information Systems for Terrain and Watershed Analysis in Hydrology
  - David Tarboton, Utah State University
- Hydrologic Data Visualization
  - Sam Zipper, University of Kansas
- Uncertainty Quantification, Sensitivity Analyses and Inverse Methods in Hydrology
  - Zach Perzan, University of Nevada - Las Vegas
- Infiltration Process and Its Modeling
  - Xixi Wang, Old Dominion University
- Standardized Evapotranspiration Modeling for Agricultural Applications
  - Meetpal Kukal, University of Idaho
- Sustainable Human-Water Systems
  - Landon Marston, Virginia Tech
- Ecohydrology of Groundwater Dependent Ecosystems
  - Steven Loheide, University of Wisconsin - Madison
- Snow Hydrology: Focus on Modeling
  - Jessica Lundquist, University of Washington