

WATS 6900 Advanced Watershed Sciences (CRN 60065) & CEE 6930 Special Problems (CRN 48248) through [CUAHSI Virtual University](https://hydrology.usu.edu/dtarb/CUAHSIVirtualUniversity/) – Fall 2021

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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 WATS 6900 (CRN 60065) or CEE 6930 (CRN 48248) 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.

	Sept 8-Oct 5	Oct 11-Nov 4	Nov 10-Dec 9
Monday/Wednesday 3:30-5:00 p.m. ET / 1:30-3:00 p.m. MT	<i>Open and Reproducible Research Computing</i> Alejandro Flores, Boise State University	<i>Environmental Objectives in Water Management Models</i> Sarah Null, Utah State University ----- <i>Snow Hydrology: Focus on Modeling</i> Jessica Lundquist, University of Washington	<i>Snow and Snow Cover Physics</i> Matthew Sturm, University of Alaska
Monday/Wednesday 5:00-6:30 p.m. ET / 3:00-4:30 p.m. MT		<i>Seminal Papers in Flood Hydrology</i> Daniel Wright, University of Wisconsin – Madison	<i>Advances in Drone-Based Hydrology</i> Scott Tyler, University of Nevada – Reno
Tuesday/Thursday 11:00 am-12:30 pm ET / 9:00-10:30 a.m. MT	<i>Applying Geographic Information Systems for Terrain and Watershed Analysis in Hydrology</i> David Tarboton, Utah State University	<i>Hydrological Catchment Modeling Using Bucket-Type Models</i> Jan Seibert, University of Zurich	<i>Watershed Reactive Transport Processes</i> Li Li, Pennsylvania State University
Tuesday/Thursday 3:30-5:00 p.m. ET / 1:30-3:00 p.m. MT	<i>Urban and Stormwater Hydrology</i> Anne Jefferson, Kent State University		<i>Introduction to Open Channel Flow Modeling</i> Ehab Meselhe, Tulane University

To attend, you register twice:

- Register at USU for CEE 6930 or WATS 6900 to receive USU credit (1 unit / module)
- Register at [CUAHSI](https://hydrology.usu.edu/dtarb/CUAHSIVirtualUniversity/) to enter into the CUAHSI system

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