

# CEE 6930 Special Problems Fall 2019

## Advanced Hydrology through CUAHSI Virtual University



CUAHSI Virtual University is a unique national online course, consisting of modules on highly specialized hydrology topics from recent research advances. Its aim is to enhance the depth of graduate course offerings at universities across the nation. Students from participating universities can enroll in a subset of modules of their choosing, resulting in collaborations between instructors and students at different universities. Students earn credit at their home institutions. The course will run from September through November. There are nine separate modules, each 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 do.**

	Sept 3-30	Oct 2-29	Nov 4-Dec 3
M/W 3:30-5:00 p.m. EDT / 1:30-3:00 p.m. MDT	<b><i>Measuring stream transport and transformation with tracers</i></b> Adam Ward, Indiana University		<b><i>Hydrology &amp; Policy: Actions, Implications, and Solutions</i></b> Samuel Smidt, University of Florida
M/W 5:00-6:30 p.m. EDT / 3:00-4:30 p.m. MDT	<b><i>Ecohydrology of Groundwater Dependent Ecosystems</i></b> Steven Loheide, University of Wisconsin Madison	<b><i>Snow Hydrology: Focus on Modeling</i></b> Jessica Lundquist, University of Washington	
T/Th 3:30-5:00 p.m. EDT / 1:30-3:00 p.m. MDT		<b><i>Global Change, Crop Production, and Impacts on Hydrology</i></b> David Hyndman & Anthony Kendall, Michigan State University	<b><i>Forecasting river flows and floods using hydrologic models</i></b> Hilary McMillan, San Diego State University
T/Th 5:00-6:30 p.m. EDT / 3:00-4:30 p.m. MDT	<b><i>Geographic Information Systems in Water Resources</i></b> David Tarboton, Utah State University	<b><i>Advances in Drone-based Remote Sensing for Hydrologic Applications</i></b> Scott Tyler, University of Nevada-Reno	<b><i>Microwave Radar Remote Sensing: Theory and Application</i></b> H.P. Marshall, Boise State University

Utah State University Instructor/Coordinator: David Tarboton, [dtarb@usu.edu](mailto:dtarb@usu.edu)

At Utah State University students may register for as many modules as they want to do.

Register for one credit of CEE 6930 for each module you plan to do. Each module is significant work, and three modules is regarded as equivalent to a full semester course.

Lectures use GoToMeeting and you may participate from any computer or you may attend as a group in SANT 105. USU lectures will originate in DE 005.