

WATS 6850/ CEWA 6850



UtahStateUniversity  
GEOSPATIAL CONSORTIUM  
RESTORATION CONSORTIUM  
DEPARTMENT OF WATERSHED SCIENCES

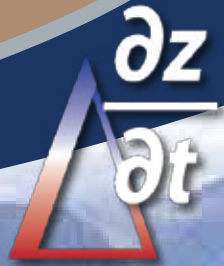
April 29-May 3, 2019

April 29 -Topographic survey instruction

April 30-May 3-GCD workshop



NORTH  
ARROW  
RESEARCH



# GEOMORPHIC CHANGE DETECTION RESTORATION MONITORING

SPRING  
2019



*Learn how to analyze and  
interpret geomorphic change*

#### **COURSE DESCRIPTION - WATS 6850 / CEWA 6850**

This course instills background theory of geomorphic change detection (GCD) and sediment budgeting in rivers and surveying with repeat topographic surveying. Builds proficiency in applying principles to real, repeat topographic datasets using GCD software. Optionally, there will be instruction in hands-on topographic survey techniques in support of GCD.

Join us to learn the latest version of the GCD software, meet the GCD development team and take your data further in the first public GCD Workshop in two years. Over five days you will be taught change detection fundamentals as well a deep dive into the new features of the completely overhauled GCD 7 software.

Existing GCD users are encouraged to bring their own topographic data. Project-based sessions are scheduled during which the instruction team will be available to answer questions and help take your GCD use to the next level. Example datasets will be provided for new GCD users.

**INSTRUCTORS:** Joe Wheaton, Philip Bailey and Matt Reimer

Optional 1-day instruction in topographic survey: \$350 (Monday)

Cost: \$1650 for 3.5 days (Tuesday-Friday)

Learn more at:

<https://www.eventbrite.com/e/geomorphic-change-detection-workshop-tickets-55409760084>

Register @ [banner.usu.edu](http://banner.usu.edu)

Take WATS 6850 for 1 credit (CRN: 14686) or register for CEWA 6850 for 1.5 continuing education credits.

Continuing education credits can apply to the USU Graduate GIS Certificate and Graduate Certificate in Aquatic Ecosystem Restoration.