

**CEE 498FM: WATER RESOURCES FIELD METHODS  
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN**

**WEEK 1**

Day 1	9–1:00	Introduction, Experimental Design, Fundamental measurements
Day 2	9–10:30	Velocity area method, stage measurements, velocity profiles, turbulence, averaging, site selection
Day 2	11:00–3:30	LAB: Stage measurement; discharge measurement (wading/Flow tracker, moving boat with GPS)
Day 3	9:00–11:00	Rest of SW lectures; introduce Sediment
Day 4	9:00–10:30	Continue Sed, esp samplers, size distribution ,
Day 4	11:00–3:30	LAB: Sediment measurement —envision auto sampler and integrating samplers (perhaps point too?) Could we demo OBS? Should we couple with dye dilution so we can get quick results of a conc vs time?
Day 5		Wrap up SW, sed. Start to intro QW

**WEEK 2**

Day 6	9:00–11:00	Water-Quality
Day 7	9:00–10:30	Demo instruments
Day 7	11:00–3:30	LAB: field measurements—instrument calibration, fixed vs XC measurements w/ multiprobe, sample collection, sample prep
Day 8	9:00–11:00	GW concepts
Day 9	9:00–3:30	LAB: examine core (already collected) Slug test
Day 10		Wrap up course