CE G8100 Macro-Hydrology (3 credits)

SUS 8100B Macro-Hydrology

Spring 2021
Instructor: C. Vörösmarty
Tuesdays: 6:30-9:00 PM
ROOM: TBD (Check CUNY-FIRST prior to first class)

The primary goals of this course are to introduce students to the topic of macro-scale hydrology and to practice some of the fundamental elements of scientific research: manuscript reading and reviewing and the preparation of a scientific study. The course is organized as a mix of formal lectures by the instructor with open discussion during class. A team-based student project will be pursued during the course of the semester. Topics to be covered will feature the water cycle and water resources in the context of:

- Planetary Boundaries
- Biogeochemistry & Pollution
- Water Engineering
- Water & Economic Development
- Green-Grey Engineering
- Global Climate Change
- Land Use and Cover Change
- Land-Coastal Zone Links
- Private Sector Innovation
- Monitoring of the Water Cycle

The course is open to Graduate Students & Upper-Level Undergraduates (by permission).

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