Spring 2027 Course Announcement

CVEN-5334 Groundwater Hydrology

University of Colorado Denver



https://www.nationalgeographic.org/encyclopedia/groundwater/ 3/21/2022

Cooling data centers. Geothermal energy. Water supply. And cleaning up the environment. What do these have in common? Groundwater: Crucial in Colorado, crucial worldwide:

- **Water**: 99% of the world's fresh liquid water is groundwater.
- **Environment**: 85% of Superfund sites have contaminated groundwater.

This course places groundwater in the context of the hydrologic cycle, then covers water flow in aquifers, well hydraulics, and subsurface contaminant transport.

Who should take this class?

Graduate students in Hydrologic, Environmental, and Sustainability Engineering (http://engineering.ucdenver.edu/HESE) or Environmental Sciences. Undergraduate civil engineers may take this technical elective after earning an A/B in CVEN-3313 Fluid Mechanics.

Instructor: David C. Mays, P.E. Ph.D. (david.mays@ucdenver.edu)

Schedule: Monday/Wednesday 5:00-6:15 pm starting Wednesday 1/20/2027

Textbook: Fitts (2024), *Groundwater Science*, 3rd edition, ISBN 978-0-12-811455-1

Register: Current students → http://www.ucdenver.edu/UCDAccess
Prospective students → https://www.cudenver.edu/admissions/non-degree-admissions