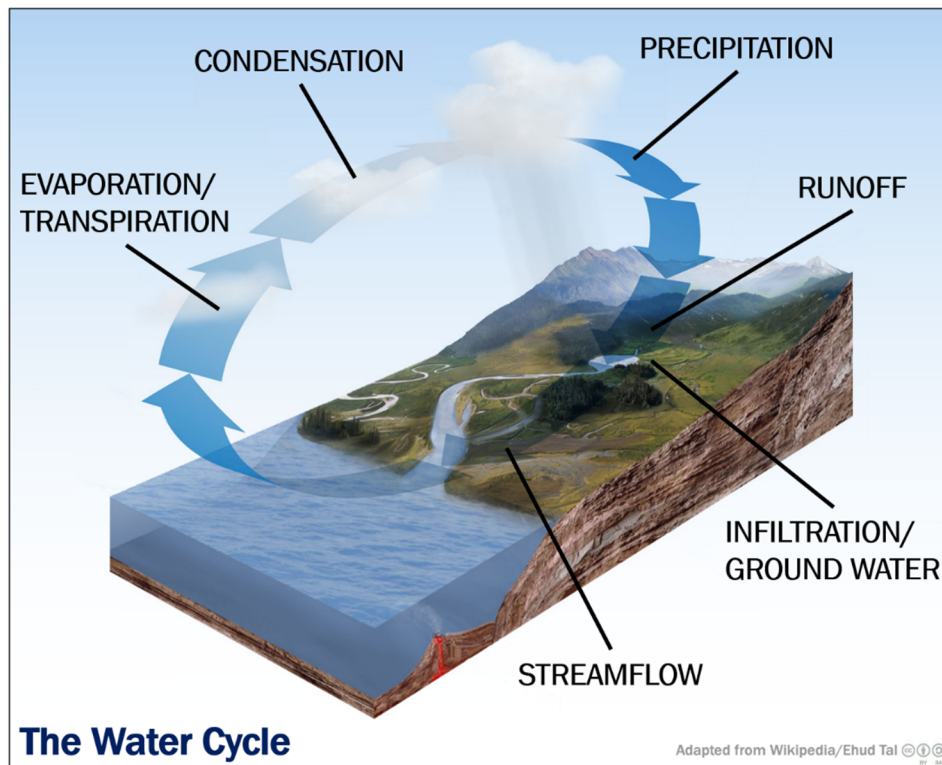




Fall 2024 Course Announcement

# CVEN-5333 Surface Water Hydrology



[https://www.weather.gov/lot/hydrology\\_education](https://www.weather.gov/lot/hydrology_education)

## *What is this class about?*

The water cycle is the heart of hydrologic engineering and the driving force behind many environmental processes. In this course, we will study the movement of water through the atmosphere, the surface, and underground, allowing us to manage the ancient problems of floods and droughts and the modern problem of pollution. The course will also introduce HEC-HMS and CUHP, two standard modeling packages.

## *Who should take this class?*

Graduate students in hydrology and hydraulics, environmental and sustainability engineering, or environmental sciences. Undergraduate civil engineers interested in hydrology, now part of the Civil Fundamentals of Engineering (FE) exam, may take this course as a technical elective after earning an A or B in CVEN-3313 Fluid Mechanics.

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

**Schedule:** Monday/Wednesday 5:00—6:15 pm starting Monday 8/19/2024

**Text:** Bedient et al. (2019), *Hydrology and Floodplain Analysis*, 6<sup>th</sup> edition, Pearson, ISBN 9780134751979.