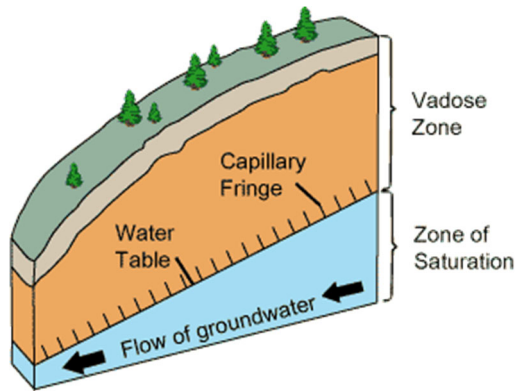
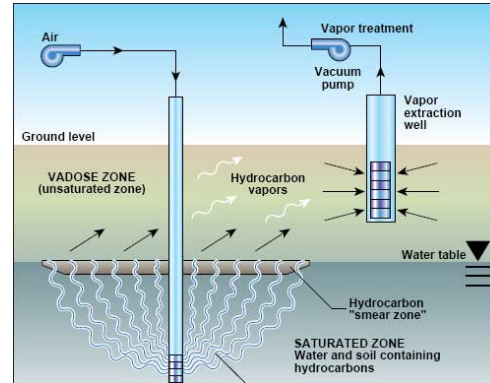


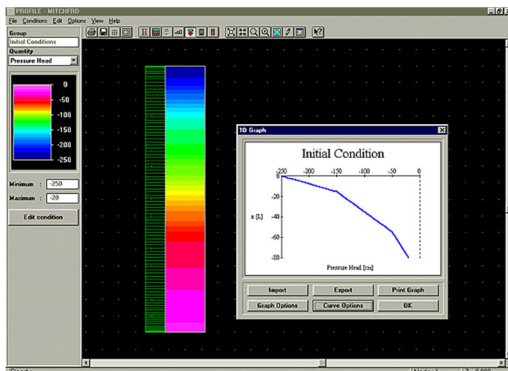
# CVEN-5335 Vadose Zone Hydrology



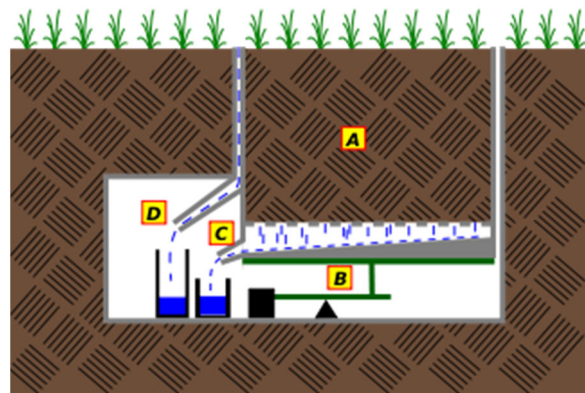
<http://geology.er.usgs.gov/eespteam/brass/ground/groundintro.htm>



<http://beta.globalspec.com/reference/9391/349867/use-air-sparging-and-vapor-extraction-to-remediate-subsurface-organics>



<http://www.ars.usda.gov/Services/docs.htm?docid=8921>



[http://en.wikipedia.org/wiki/File:Lysimeter\\_g1.svg](http://en.wikipedia.org/wiki/File:Lysimeter_g1.svg)

## What is this class about?

The vadose zone, linking the earth's surface to groundwater, is crucial in water supply and environmental remediation. This class covers vadose zone hydrology, including infiltration, evaporation, drainage, subsurface remediation, and software HYDRUS-1D.

## Who should take this class?

Current and prospective graduate students in Hydrologic, Environmental, and Sustainability Engineering (HESE) or environmental sciences. Undergraduate civil engineers with an A or B in CVEN-3313 may take this course as a technical elective.

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

**Schedule:** Monday and Wednesday, 5:00-6:15 pm, starting 1/19/2022

**Text:** Tindall, J.A. and J.R. Kunkel (1999), *Unsaturated Zone Hydrology for Scientists and Engineers*, ISBN 0-13-660713-6 ← **available free online**