



Agricultural Hydraulics II

Upon successful completion of the course, the student will be able to:

- has understood soil properties (texture, cohesion and structure) as well as soil composition and how such (hydraulic) properties determine hydraulic and irrigation
- understand properties such as permeability, porosity, soil moisture, soil dynamic properties.
- Understand Darcy's law which is closely related to underground hydraulics and irrigation / pumping.
- Understand the different types of flows and how they determine underground aquifers, pumping and by extension irrigation.
- Understand and collaborate with fellow civil hydraulic engineers on water potential management issues.
- Model the available resources and make optimal utilization plans