

Groundwater Hydrology
Course No: 001-2-5024
2.5 credit

The course provides tools for characterization of water flow and solute transport in groundwater. It includes subjects such as: characterization of the geological environment as a porous medium for water flow; definition of the physical processes governing water flow and contaminant transport; developing the flow equations for porous material; methodologies for estimation of aquifer properties (pump and slug tests); management of coastal aquifers; flow in fractured rock; flow in the vadose zone.

Lecturer: Ofer Dahan

Class: Two hours (weekly)

Exercise: One hour (weekly, 7 mandatory assignments)

Grading: Assignments 10%, aquifer test 20%, final exam 70%