

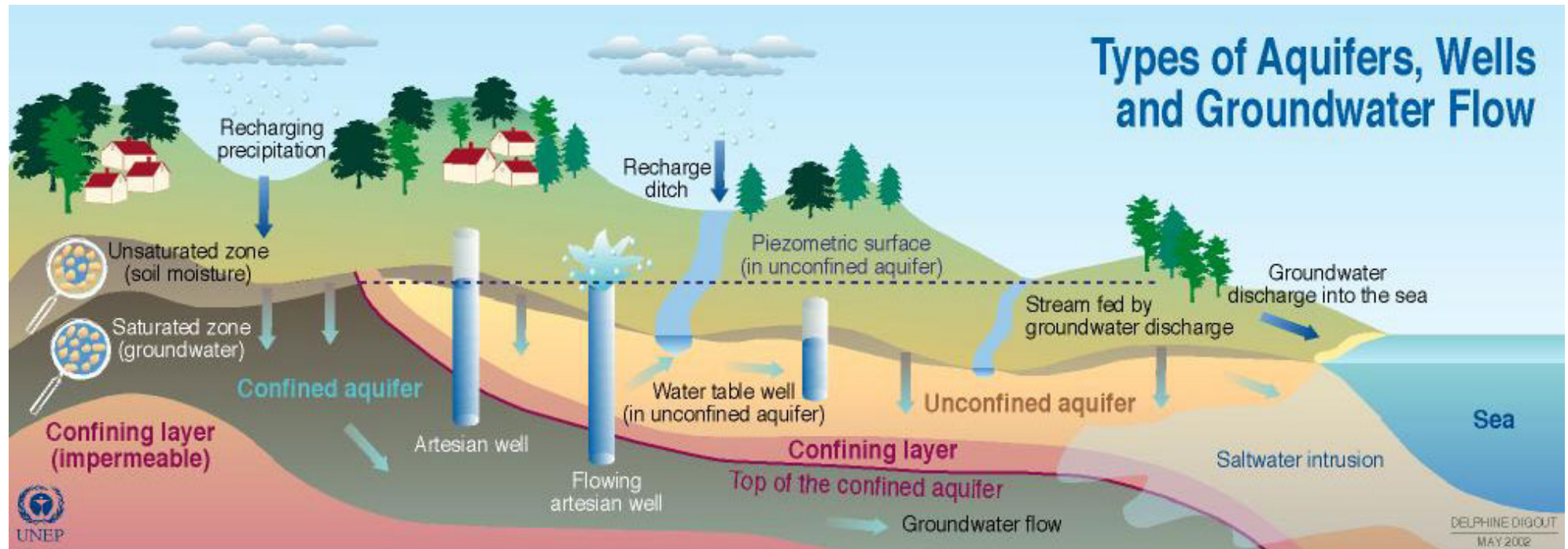
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## GEOS-4310/5310: Introduction to Hydrogeology

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This course introduces the principles of fluid migration in the earth's crust. Topics include observation and quantification of the water cycle, including ground and surface water flow; regional flow, flow nets, Darcy's Law, well testing, water quality and contaminant transport. The course is intended to provide the basic background required for study of or employment in hydrogeology. GEOS 4310 fulfills one of the breadth requirements for the B.S. Geology degree.

Class meets Tuesdays 9:30-10:45 am in FN 2.202 beginning Aug. 18th, UTD Call Number ? (GEOS 4310) and 14361(GEOS 5310).



Source: Environment Canada, 2001 (Adapted from: <http://www.ec.ca/water/index.htm>).

**Figure:** A graphical overview of many of the topics covered in GEOS 4310. The groundwater cycle, after [UNEP](#)

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*Dr. T. Brikowski, UTD*