

Physical Hydrology for Ecosystems

BEE 3710

Extra Credit Assignment Hydrological Processes (due 4/18)

Worth 10 pts on midterm test.

As you have seen, hydrology is largely a quantitative science and your instructor has a tendency to over emphasize this aspect. There is tremendous value in being able to qualitatively identify primary hydrological process dominating water movement in any given situation. For this assignment, find, capture, describe, characterize, question, hypothesize, or measure any hydrological process (anything linked to water in the environment). Summarize your discovery in one page or less or make your own webpage or YouTube video – I'm open to anything. I leave it to you to choose the scale you would like to consider (moisture around a road-salt grain, snow melt patterns related shadows patterns, water seeps in your back yard, flow and sediment in Fall Creek, impact of interstellar water on Earth's hydrosphere). Literally anything you would like. I just want you to think about and observe water around you; you do not need to conclude anything. In the past, students have used pictures or series of pictures (35 mm photo, sketch, digital photograph, oil painting, etc.) to effectively communicate their thoughts. One good idea is to identify an incident of saturation excess and an incident of Hortonian flow. Have fun.