**Saturation of core samples in Triaxial vessel**

Key is to maintain constant effective stress on rock

1. After rock specimen is prepared and connected to the confining and pore pressure system, apply a small axial load.
2. Begin flow of fluid through the sample: Keep downstream valve open, pump water from upstream. Keep upstream pump pressure low, downstream pump receiving at 0 psi.
3. Once there is constant flowrate across the sample, begin raising downstream pump pressure at a constant rate to achieve desired constant effective stress.
4. Close drainage valve
5. Raise confining and pore pressure at equal rate, keeping effective stress constant. Pump from only upstream side of core.
6. Wait for pore pressure to attain equilibrium at each step
7. Return to step 5

Procedure for core saturation using Corelabs system in Geotechnical laboratory:

1. Upstream and Downstream pumps are put into Mode 12 – Paired Constant Pressure Bi-directional Operating Mode