

# Download Basic Soil Mechanics

Location: Lexington, KY Date: 06/04/2019 - 06/06/2019 Description: The objective of this course will be to provide a comprehensive presentation of the significant principles and concepts of soil mechanics to the participants. Soil mechanics is a branch of soil physics and applied mechanics that describes the behavior of soils. It differs from fluid mechanics and solid mechanics in the sense that soils consist of a heterogeneous mixture of fluids (usually air and water) and particles (usually clay, silt, sand, and gravel) but soil may also contain organic solids and other matter. Values of normal stress and shear stress must relate to a particular plane within an element of soil. In general, the stresses on another plane will be different. To visualise the stresses on all the possible planes, a graph called the Mohr circle is drawn by plotting a (normal stress, shear stress) point for a plane at every possible angle. A.B. Chance Company 2-17 - Basic Soil Mechanics