

Birzeit University
Faculty of Engineering
Department of Civil and Environmental Engineering

ENCE 331, Soil Mechanics

Quiz #1

The following are the results of a sieve analysis.

- Determine the percent finer than each sieve and plot a grain-size distribution curve.
- Determine D_{10} , D_{30} , and D_{60} for each soil.
- Calculate the uniformity coefficient C_u .
- Calculate the coefficient of gradation C_c .
- Calculate the percent of gravel, sand, and fine soil based on USCS.

U.S. sieve no.	Mass of soil retained (g)
4	0
10	18.5
20	53.2
40	90.5
60	81.8
100	92.2
200	58.5
Pan	26.5