Unconfined Compression

Equipment Required

- Weight of Soil: 1200g per sample per group (only two groups per section)
- Size of Soil: passing No. 40 sieve

Sample Preparation

1. Put all of the soil sample into a big pan and add 12% water then mix it thoroughly (the amount of water should be decided by the moisture content at maximum density which can be obtained from previous compaction test).
2. Put soil sample into a special container and compact in three layers with 25 blows for each layer. The number of blows can be adjusted according to the volume of sample mold versus the volume of mold used for compaction test.
3. Use the jack to extrude the sample from the mold.
4. Wrap the sample with a plastic bag in order to prevent moisture loss before the test.