

**King Saud University**  
**College of Engineering**  
**Department of Civil Engineering**  
**2<sup>nd</sup> Semester 1437-1438 H**

**CE 380: Soil Mechanics Laboratory**

**Content:**

Topic	No. of Weeks	Contact hours
1. Introduction.	1	2
2. Moisture content	1	2
3. Liquid, plastic and shrinkage limits	1	2
4. Specific gravity	1	2
5. Sieve analysis	1	2
6. Hydrometer test	1	2
7. Compaction test	1	2
8. Field Density	1	2
9. Permeability test	1	2
10. Direct shear test	1	2
11. Unconfined compression test	1	2
12. Consolidation test	1	2
13. Conventional triaxial test	1	2

**Grade Distribution:**

Weekly reports*	30%
Mid-term exam	30%
Final exam (experimental)	20%
Final exam (written)	20 %

\* Each group submits a report in Word and Excel formats.