KING SAUD UNIVERSITY

College of Engineering

*CE 382 Geotechnical Engineering-I*

(Second Semester 1437-1438H, 2016-2017G)

INSTRUCTORS: Dr. Ahmed Alnuaim (2A42)

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TEXT: Principles of Geotechnical Engineering by Braja M Das, PWS-Kent, Latest Edition.

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| Topic | No of  Weeks | Homework |
| 1. Introduction | 1/2 |  |
| 1. Types and classification of rocks | 1 |  |
| 1. Formation of Soils | 1 |  |
| 1. Grain Size distribution | 1 |  |
| 1. Basic Definitions and phase relations | 1 |  |
| 1. Consistency limits and indices | 1 |  |
| 1. Classification of soils | 2 |  |
| 1. Soil Compaction | 1 |  |
| 1. Permeability | 1 |  |
| 1. Seepage | 11/2 |  |
| 1. Principle of effective stresss | 1 |  |
| 1. Stresses in Soil Mass | 1 |  |

Grade Distribution

Quizzes and Homework 10%

1st Midterm 29/6/1438H     28/3/2017G 25%

(The time will be 15 minutes after Maghreb Prayer)

2nd Midterm 20/8/1438H     16/5/2017G 25%

(The time will be 15 minutes after Maghreb Prayer)

Final 40%