

**SHARIF UNIVERSITY OF TECHNOLOGY  
DEPARTMENT OF CIVIL ENGINEERING**

**Fall 2018  
Soil Mechanics**

**INSTRUCTOR:** Vahab Toufigh, Ph.D., P.E.  
4<sup>th</sup> Floor Civil Engineering Department, Room 428  
**PHONE:** (21) 6616-4231  
**Email:** [toufigh@sharif.edu](mailto:toufigh@sharif.edu)  
**OFFICE HOURS:** To be announced.

**POLICY ON CHEATING:**

Cheating will not be tolerated on exam. Cheating on exams is any event that occurs during the exam and/or after return of the exam. All plagiarism in homework will be tracked. Anyone caught cheating or plagiarizing will be subject to failing this course.

**EXAMS:** There will be one midterm exam and a comprehensive final exam.  
Exams date TBA.

**GRADING:**

Mid-term Exam	25%
Final Exam	55%
Homework	15%
Participation	5%

**COURSE OUTLINE:**

- Origin of Soil and Grain Size
- Weight-volume Relationships
- Plasticity and Structure of Soil
- Classification of Soil
- Soil Compaction
- Permeability
- Seepage
- In Situ Stresses
- Stresses in Soil Mass
- Consolidation
- Shear Strength of Soil
- Slope Stability