

Course Schedule - Fall 2022

The course schedule is tentative. It is updated weekly based on the actual progress. Any item past today's date is only planned and may be subject to change. Actual assignment due dates will be posted on HuskyCT.

| Week | Date | Day | Module / Topic | Assignment Open | Assignment Due |
|----------|------------|----------|---|-----------------|----------------|
| 1 | 8/29 | M | M0: Introduction Syllabus - Course Components, Expectations, etc. | | |
| | | W | M1: Phase Relations Soil Composition | | |
| | | F | Weight-Volume Relationships | M1-Q1 | |
| 2 | 9/5 | M | Labor Day - No class | | |
| | | W | Weight-Volume Relationships | | |
| | | F | Weight-Volume Relationships | M1-HW1 | |
| 3 | 9/12 | M | M2: Index Properties and Soil Classifications Particle Size and Shape | | M1-Q1 |
| | | W | Particle Size and Shape | | |
| | | F | Clay Soils and Plasticity | | M1-HW1 |
| 4 | 9/19 | M | Soil Classification (USCS) | M2-HW2 M2-Q2 | |
| | | W | Soil Classification (USCS) | | |

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|----|-------------|-----------|---|-----------------|-----------------|
| | | F | M3: Soil Compaction Concepts, Standards, and Specifications | | |
| 5 | 9/26 | M | Soil Compaction - Standards, and Specifications | M3-HW3 M3-Q3 | M2-HW2 M2-Q2 |
| | | W | Soil Compaction - Standards, and Specifications | | |
| | 9/29 | Th | TA Review Session 5-7 PM | | |
| | | F | Field Compaction/Equipment | | M3-HW3 M3-Q3 |
| 6 | 10/3 | M | Midterm I | | |
| | | W | M4: Groundwater flow Principles of Fluid Mechanics | Project Ph 1 | |
| | | F | 1-D flow and hydraulic conductivity | | |
| 7 | 10/10 | M | 1-D flow and hydraulic conductivity | M4-HW4 M4-Q4 | |
| | | W | Flow nets | | |
| | | F | Flow nets | | |
| 8 | 10/17 | M | M5: Mohr Circle Analyses Stress, Mohr's circle | M5-HW5 M5-Q5 | M4-HW4 M4-Q4 |
| | | W | Mohr's circle | | |
| | | F | M6: Geostatic and Induced Stresses Geostatic and effective stresses | | Project Ph 1 |
| 9 | 10/24 | M | Stress under flow | M6-HW6 M6-Q6 | M5-HW5 M5-Q5 |
| | | W | Induced stresses | | |
| | | F | Induced stresses | | |
| 10 | 10/31 | M | M7: Compressibility and Settlement Compressibility and settlement | | M6-HW6 M6-Q6 |
| | | W | Consolidation test and status | | |
| | 11/3 | Th | TA Review Session 5-7 PM | | |

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|---|-------------|-----------|---|------------------------------|-----------------|
| | | F | Settlement calculations | M7-HW7 M7-Q7 | |
| 11 | 11/7 | M | Midterm II | | |
| | | W | Rate of consolidation | Project Ph 2 Project Ph 3 | |
| | | F | Rate of consolidation | | |
| 12 | 11/14 | M | M8: Soil Strength Soil strength | | M7-HW7 M7-Q7 |
| | | W | Mohr-Coulomb failure criterion | | |
| | | F | Triaxial compression test | | |
| 11/20-11/26 - Thanksgiving Recess - No class | | | | | |
| 13 | 11/28 | M | Triaxial compression test | M8-HW8 M8-Q8 | |
| | | W | Triaxial compression test | | Project Ph 2 |
| | 12/1 | Th | TA Review Session 5-7 PM | | |
| | | F | Direct shear test | | M8-HW8 M8-Q8 |
| 14 | 12/5 | M | Midterm III | | |
| | | W | Final review session | | |
| | | F | Final review session | | Project Ph 3 |
| 12/10-12/11, 12/15 - Reading Days | | | | | |
| 12/12-12/14, 12/16-12/18 - Final Exams Week | | | | | |