

CE 340 Design of Foundations
 HW Partial Tentative List – 2010S

HW #	Chapter	Page #	Problem #	Date Assigned	Date Due
			Redo Test #1		
1A			Problems page 7 notes as modified		
1B	10 - Soil Exploration		Soil Exploration Review Questions		1-29-2010
2			Correct N_{60} Values Notes page 10-30	2-1-2010	2-5-2010
3		Notes	Soil Exploration Project #1	1-29-2010	2-12-2010
4A	12 -Shallow Foundations	P 422	Terzaghi's Bearing Capacity (BC) w/o GWT #12.1	2-3-2010	2-8-2010
4B			Terzaghi's equation with GWT –Notes Page 12-29 #b	2-3-2010	2-8-2010
5			Meyerhof's BC		
6			Meyerhof's BC with GWT		
7			Calculation of Settlement		
8		Notes	Design Project #2 Shallow foundations in Clay		
9		P 462	Design of Shallow Foundations - Sand		
10		P 436	Design of Shallow Foundations with Eccentric Loadings		
11	11 – Lateral Earth Pressure	Handout	Rankine's Earth Pressure in Sand		

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12		Handout	Rankine's Earth Pressure in Clay		
13		Notes	Coulomb's Earth Pressure Coefficient		
14	13 – Retaining walls & Braced Cuts	Notes	Project #3 -Design a Cantilever Retaining Wall		
15	13	P 475	Braced Cut Forces in Struts		
16			Use of Engineering News Formula		
17	14 – Deep Foundations Piles & Piers	P547 P 548	Pile Tip and Friction Capacity in Sand		
18	14	Handout	Pile Capacities in clay		
19			Project #4 – Design of a Pile Group		
20			Project #5 – Design of a Pier		
20	9 – Slope Stability	Handout	Determine - Factor of Safety of a Slope		