Week	Lectures: Mon & Wed		Exercises and tutorials: Tue & Thu	
	(10:15 am) K2		(10:15 am) Maari E, Maarintalo	
9	25.2	L1 Introduction / soil	26.2	Division of the laboratory work
		structure and	R9 (309)	groups. Introduction, report. (ML,MJ)
		microstructure		<b>R9, Civil Engineering Department</b>
9	27.2	L2 Real soil behaviour &	28.2	Design exercise slope stability (HG
		advanced soil testing		MJ)
9			1.3,	Laboratory exercise, group 1,
			13-16	geotechnical laboratory 124 (ML)
10	4.3	L3 Mohr-Coulomb	5.3	
		Model & Flastic models		T1 Mohr Coulomb Model (WS_XL)
		for soil		
10		101 5011	5 2 0.15	$T: \Omega$ & hofers test 1 (WS)
10	()	<b>T</b> (1(1))	5.5, 9:15	1. Q&A before test 1 (WS)
10	6.3	1 est 1 (L1-3)	1.3	C1 Settlements 1 (HG, MJ)
		L4 Limit analysis		
10			8.3	Laboratory exercise, group 2,
			13-16	geotechnical laboratory 124 (ML)
11	11.3	L5 Slope Stability	12.3	C2 Settlements 2 (HG, MJ)
11	13.3	L6 Earth pressures &	14.3	C3 Sheet nile wall (HG, OAT)
		retaining walls		C5 Sheet phe wan (110, QAT)
12	18.3	L7 Water flow and	19.3	CAWatan Game & annual (WG VI)
		seepage		C4 water now & seepage (wS, XL)
12			19.3, <b>9:15</b>	T: Q&A before test 2 (WS)
12	20.3	Test 2 (L 4-7)	21.3	
		L8 Introduction to		T2 Critical state soil modelling (WS.
		Critical State soil		OAT)
		Mechanics		
12	25.2	L 0 Modified Com Clay	26.3	T2 Modified Com Clay Model (WS
15	23.5	L9 Moullied Call Clay	20.5	15 Mouriled Call Clay Model (WS,
10		Model		QA1)
13	27.3	L10 Material models for	28.3	T4 Modified Cam Clay Model and
		soils (Mirva Koskinen)		SCLAY1 (WS, QAT)
13			1.4	Deadline for the return of the
				laboratory exercise (ML)
14	1.4	L11 Risk based design	2.4	T: Q&A before test 3. (WS, OAT)
		(Leena Korkiala-Tanttu)		Soil –structure interaction (intro)
14	31	Tost 3 (I 9 11)	11	
14	5.4		4.4	C5 Soil - structure interaction (WS,
		L12 Interaction between		XL)
		soil and structures		
14			4.4	Excursion (12.00 until late)
14			5.4	Deadline for return of the design
				exercise (HG)

## Mon 25 Feb - Fri 05 Apr 2019 - Advanced soil mechanics L GEO-E2010

Grading: 1/2 lecture, 1/6 lab, 1/6 exercise (C1-C5), 1/6 design exercise.

Teachers: WS – Wojtek Sołowski, HG – Henry Gustavsson, ML – Monica Löfman, QAT – Quoc Anh Tran, MJ - Seyedmohammadjavad Seyedan, XL – Xiaoqin Lei.

L - lecture, C - calculation exercise, T - tutorial, TBD - to be decided