Course Information						
Course title	Soil Mechanics					
Semester	109-2					
Designated for	DEPARTMENT OF CIVIL ENGINEERING					
Instructor	MEEI-LING LIN					
Curriculum Number	CIE3026					
Curriculum Identity Number	501 36000					
Class	01					
Credits	3.0					
Full/Half Yr.	Half					
Required/ Elective	Required					
Time	Wednesday 7,8,9(14:20~17:20) Thursday 6(13:20~14:10)					
Remarks	Restriction: within this department (including students taking minor and dual degree program) AND Restriction: sophomores The upper limit of the number of students: 40.					
Ceiba Web Server	http://ceiba.ntu.edu.tw/1092CIE3026_01					
Course introduction video						
Table of Core Capabilities and Curriculum Planning	Table of Core Capabilities and Curriculum Planning					
	Course Syllabus					
Please respect the intellectual property rights of others and do not copy any of the course information without permission						
Course Description	The objective of this course is to introduce the fundamental elements of the soil mechanics based the basic knowledge from mechanics courses including statics, material, and fluid. This is the first introductory course leading to the field of geotechnical engineering. The course is designed to pro- parallel with the Soil Mechanics Laboratory to enhance learning and cognition of the subjects.					
Course Objective	 1.Understanding the roles of Geotechnical Engineering in civil engineering. 2.Understanding the natural and physical properties of soil as an engineering material and a medium for transmitting stresses. 3.Understanding the relationship of ground water in the ground sopil layer, and the transmission behavior of ground water in the soil layer. 4.Understanding the concept of effective stresses from the distributions of stresses in soil layer and pore water pressure. 					

Requirement	nt along with the Soil Mechanics Laboratory.					
	Grading will be based on homeworks, two mid. term exam.s, and final exam.					
	Class performance will also be taken into account.					
Office						
Hours	/+++					
	待補					
Designated reading	B.M. Das, and K. Sobhan "Principles of Geotechnical Engineering," SI Version, 9th edition, 2016					
	No. Item		%	Explanations for the conditions		
	1. Homework		20%	late submission or copying are not acceptable.		
Grading	2. 1st mid term exam		25%			
	3. 2nd mid term exam	n	25%			
	4. final exam	4. final exam				
Progress						
Week	Date		Торіс			
Week 1	02/24, 02/25	Introduction; 2.1-2-6				
Week 2	03/03, 03/04	03/03, 03/04 2.7~2.9; 3.1~3.7; 4.1~4.8				
Week 3	03/10, 03/11 5.1~5.6					
Week 4	03/17, 03/18		7.1~7.6,7.8~7.10			
Week 5	03/24, 03/25		8.1 ~8.5; 8.7			
Week 6	03/31, 04/01		8.8,8.11; 9.1~9.7; 4/1 Spring break			
Week 7	04/07, 04/08	9.9,9	9.9,9.10; 11.1~11.5			
Week 8	04/14, 04/15		04/14 1st Mid. term exam. Chapter 2-9			
Week 9	9 04/21, 04/22		11.6~11.14 ;11.16			
Week 10	04/28, 04/29		11.18; 10.1~10.3			
Week 11	05/05, 05/06 12.		12.1~12.9			
Week 12	05/12, 05/13	12.1	12.10,12.14,12.16,12.18			
Week 13	05/19, 05/20	5/19	5/19 2nd Mid. term exam.,Chapter 11-12.			
Week 14	05/26, 05/27	13.1	13.1~ 13.4,13.6,13.7			
Week 15	06/02, 06/03	13.8	13.8,13.9,13.11,13.12;15.1~15.2			
Week 16	06/09, 06/10	15.3	15.3~15.8,15.11~15.13			
Week 17	06/16, 06/17 6.1~6.11,7.12,7.13,6.13					
Week 18	06/23	6/23 final exam, chapters 13,15,6				