MAS 212 Linear Algebra Syllabus

Instructor	Course Overview			
Suhyoung Choi	Review of basic linear algebra leading to rational and Jordan forms.			
Phone 042-350-2732	This course also gives proofs of the results and is a very theoretical course providing background to higher level abstract mathematics and applied mathematics. You will also learn to prove some elementary linear algebra results.			
Email	Required Text			
schoi@math.kaist.ac.kr	Linear Algebra 2 nd edition, Prentice hall, Hoffman and Kunz			
Office Location	Class structure			
E6-1 No. 4403	There will be a quiz in the beginning of the class for 20 minutes. It will have two parts: review part and the preview part. The videos and lecture notes are at the			
Office Hours	KLMS. You are automatically joined at the course site at the KLMS. Most are uploaded at the KLMS. These will be proctored by Zoom. The proctoring			
TBA	method will be announced in the KLMS.			
	After quiz, we will have discussions for the rest of the class. We will divide into teams of 4-5 students. We will provide the discussion problems for each team. Your team will solve the problem and present it to the class by Zoom. Groups will be finalized by the 3 rd week. You can change the group at a later time but the team scores will be carried over.			

Resources

These are in the KLMS (Note we have an upgraded Moodle system in 2021)

Course Schedule

Week	Subject	Quizzes	Videos and notes
Week 1 Group division	1.11.6 reviews of fields, matrices	No quiz	Videos for Lectures 1,2,3. Watch these at classes. Also, read notes and the book materials.
Week 2	2.1-2.6.	1.11.6 review 2.1-2.6 preview	Videos in KLMS. Watch these before class and read notes and the book.

Week	Subject	Quizzes	Videos and notes	
Week 3	3.1-3.3	2.12.6 review	Same as above	
Finalize the group division		3.13.3 preview		
Week 4	3.43.6	3.13.3 review	Same as above	
		3.43.6 preview		
Week 5	4.1-4.3	3.43.6 review	Same as above	
		4.1-4.3 preview		
Week 6	4.4-4.5	4.1-4.3 review	Same as above	
		4.4-4.5 preview		
Week 7	5.1-5.4	4.4-4.5 review	Same as above	
		5.1-5.4 preview		
Week 8	No classes,			
	midterm period			
Week 9	6.16.2	5.15.4 review	Same as above	
		6.16.2 preview		
Week 10	6.36.4 (skip	6.16.2. review	Same as above	
	6.5)	6.36.4 preview		
Week 11	6.6-6.8	6.36.4 review	Same as above	
		6.66.8 preview		
Week 12	7.17.2	6.66.8 review	Same as above	
		7.1-7.2 preview		
Week 13	7.37.4	7.17.2 review	Same as above	
		7.37.4 preview		
Week 14	8.18.3	7.37.4 review	Same as above	
		8.1-8.3 preview		
Week 15	8.48.5 (June 4 th class	8.18.3 review	Same as above	
		8.4-8.5 preview		
	Monday)			
Week 16	No classes,			
	linal period			

Homework Policy

After discussions, one person of the team must write up the report and upload it to the provided folder in the OneNote Cloud within 7 days or so.