MAS109 Introduction to Linear Algebra (2012 Fall Semester)

Class	Lecture hours	Lecture room	Lecturer	Ref.	
A	TTh13:00~14:15	E11-Rm410	S. Hahn	ock@kaist.ac.kr	Ext. 2727, E2-3206
B	TTh13:00~14:15	E11-Rm412	S. Baek	sanghoonbaek@kaist.ac.kr	Ext. 2741, E6-1-1402
C	MWF9:00~9:50	E11-Rm403	S. Oum	sangil@kaist.edu	Ext. 2728, E6-1-3403
D	MWF13:00~13:50	E11-Rm412	S. Kwon	soonsikk@kaist.edu	Ext. 7302, E6-1-3404
E	TTh13:00~14:15	E11-Rm201	A. Schweizer	schweizer@math.sinica.edu.tw	Ext. 2793, E2-2209

E2 : Industrial Engineering & Management Building / **E6** : Natural Science Building / **E11** : Creative Learning Building

1. Coordinator

Prof. S. Hahn (ock@kaist.ac.kr, Ext. 2727, E2-3206)

2. Head of Teaching Assistants

E. Lee (ejlee7@kaist.ac.kr, Ext. 2758, E6-1-3418)

3. Course Outline

Linear Algebra is one of the most fundamental subjects widely used in science, engineering, economics, and business. The core of this subject is how to solve various systems of linear equations.

The primary aim of this course is to provide necessary skills and understandings for the beginning students. For that purpose we will cover matrix algebra including the formula for the inverse matrix, determinant, the basics of linear transformations, diagonalization and singular value decomposition.

4. Course Homepage

http://edu3.kaist.ac.kr

5. Text and Reference

Contemporary Linear Algebra, by H. Anton and R.C. Busby, John Wiley & Sons, Inc.

6. Evaluation and Exams

(1) **Evaluation**

- Midterm Exam(30%), Final Exam(40%), Recitation(20%), Class Attendance(10%)
- Students who miss any one of the mid or final exam will get the final grade 'F'.
- Course grades are determined by a relative scale based only on scores of first-time course takers. For repeaters, the possible highest course grade is B+.

(2) **Exams**

- Midterm Exam: 25th Oct. 19:00~22:00
- Final Exam : 20th Dec. 19:00~22:00

7. Course Schedule

Week	Sections	Week	Sections	Week	Sections	Week	Sections
1	2.1-2, 3.1	5	4.4, 6.1	9	7.3-5	13	8.1-2
2	3.2-3	6	6.2-4	10	7.6-7	14	8.3-4
3	3.4-6	7	7.1-2	11	7.8-9	15	8.6-7
4	4.1-3	8	Midterm Exam	12	7.10-11	16	Final Exam

8. Recitation

1 hr per week - to be announced on the course homepage