MATH 2210Q Applied Linear Algebra Syllabus (Spring 2016)

Lecture : MWF 9:05-9:55 at CAST (Castleman building) room 204

Instructor : Bumsik Kim (email: bumsik.kim@uconn.edu)

Office hours : TuTh 09:30-10:30AM, and Mon 1-2PM in MSB 335 or by appointment.

Course Description : Systems of equations, matrices, determinants, linear transformations on vector spaces, characteristic values and vectors, from a computational point of view. The course is an introduction to the techniques of linear algebra with elementary applications.

Prerequisites : MATH 1132, 1152, or 2142. Recommended Preparation: a grade of C- or better in MATH 1132. Not open for credit to students who have passed MATH 3210.

Textbook : *Linear Algebra and its applications*, 4th edition, by David C. Lay

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Course materials :

chapter	section	title
1	1.1-1.9 except 1.6	Linear equations
2	2.1-2.5	Matrix algebra
3	3.1-3.3	Determinants
4	4.1-4.6, partially 4.7	Vector spaces
5	5.1-5.4	Eigenvalues and eigenvectors
6	6.1-6.4	Orthogonality

Homework : Homework will be collected on every Wednesday, and it consists of exercises in the textbook which are about the materials covered the previous week. Homework problems will be announced in class on Friday. **Late homework will not be collected.**
You need to show your work in the homework and every exam. Full credit will not be given for the answer without work (even if it is correct).

Exam schedule and grading policy:

Exam 1	25%	Feb 26th, Wed (Tentative date)
Exam 2	25%	Apr 8th, Wed (Tentative date)
Final	35%	TBA
Homework	15%	

Calculator policy : In every exam, calculators which can perform symbolic operations (for example, TI92,89) are not allowed. TI84 or 83 series are recommended.

Help Additional discussions in the officehour will be always welcome. Or also you can visit Q-center for the free drop-in tutoring : `http://qcenter.uconn.edu/`.

Academic Integrity : All the students are expected to write the homework solutions on your own even with discussions with your classmates. There should be no help given or received on all midterm exams and the final exam. A student who knowingly assists another student in committing an act of academic misconduct shall be equally accountable for the violation, and shall be subject to the sanctions and other remedies described in `http://community.uconn.edu/the-student-code-appendix-a/`