SYLLABUS

Instructor:	Dr. Kejian Shi
Office:	S-16A
Office Phone:	(408) 864-8481
Office Hour:	MTWThF: 3:00pm - 4:00pm or by appointment

Prerequisites:	Math 1D (with a grade of C or better), or equivalent
Textbook:	*Elementary LINEAR ALGEBRA*, 12th Ed, by Howard Anton

Attendance: Students are expected to attend all classes on time. **It is the students' responsibility to drop by the appropriate deadline. Petitions to drop after the dead line will not be considered by the instructor.**

Homework: Homework is the key to success in this class. Plan to devote a minimum of **TWO hours** to homework for each class lesson.

Quizzes: <u>**Three**</u> **Quizzes** (33, 33, and 34 points) will be given during the class time period. No makeup quizzes. Quiz problems are similar to homework problems and lecture examples.

Midterms: <u>**Two**</u> **one-class-hour midterm examinations** (100 points each) will be given during the class time period. No makeup except for extenuating circumstances assuming the student notifies the instructor as soon as the emergency arises.

Final Exam: <u>**One**</u> **two-hour comprehensive examination** will be given on **Wednesday, June 24, 2020**. from **7:00am–9:00am** Any student missing the final will receive an F grade for the course.

Integrity: Any types of cheating are not tolerated. Corresponding school rules will be followed.

Grading:

Distribution			Scale		
			Grade	Points	Percentage
			A+	473-500	95%-100%
Quizzes	100		A	448-472	90%-94%
			A-	438-447	88%-89%
			B+	423-437	85%-87%
			B	398-422	80%-84%
Midterms	200		B-	388-397	78%-79%
			C+	373-387	75%-77%
			C	323-372	65%-74%
			D+	298-322	60%-64%
Final Exam	200		D	288-297	58%-59%
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Total	500		F	0-272	0%-54%

Math 1B-9 Tentative Schedule (Spring 2020):

	MON	TUE	WED	THUR	FRI	SAT	SUN	Wk
APL	13 **1.1, 1.2**	14 **1.2, 1.3**	15 **1.4, 1.5**	16 **1.5, 1.6**	17 **1.6**	18	19	1
APL	20 **1.7**	21 **1.8**	22 **Review** **Quiz #1**	23 **2.1**	24 **2.2**	25 Last day to add Drop for refund	26 Last day to drop with no record	2
APL / MAY	27 **2.3**	28 **3.1, 3.2**	29 **3.2, 3.3**	30 **3.4**	1 **3.5**	2	3	3
MAY	4 **Review**	5 **Exam #1**	6 **Solution**	7 **4.1**	8 Request P/NP **4.2**	9	10	4
MAY	11 **4.3**	12 **4.4**	13 **4.5**	14 **4.6**	15 **4.7**	16	17	5
MAY	18 **4.8**	19 **4.9**	20 **Review** **Quiz#2**	21 **5.1**	22 **5.2**	23	24	6
MAY	25 MEMORIAL DAY **HOLIDAY**	26 **5.3**	27 **6.1, 6.2**	28 **6.2, 6.3**	29 **6.4**	30	31	7
JUN	1 **Review**	2 **Exam #2**	3 **Solution**	4 **7.1**	5 Drop with "W" **7.2**	6	7	8
JUN	8 **7.3**	9 **7.4**	10 **7.5**	11 **Review** **Quiz#3**	12 **8.1**	13	14	9
JUN	15 **8.2**	16 **8.3**	17 **8.4**	18 **8.5**	19 **Review**	20	21	10
JUN	22 **Final Exam** **11:30am-1:30**	23	24	25	26	27	28	11
JUN / JUL	29 **SUMMER** **BEGINS**	30	1	2	3	4	5	1

Homework problem list:

Sections	Problems
1.1	1, 4, 7, 10, …, 25 (every third); True-False Exercise.
1.2	1, 6, 11, 16, …, 41 (every fifth); True-False Exercise.
1.3	1, 6, 11, 16, …, 36; True-False Exercise.
1.4	1, 6, 11, 16, …, 56; True-False Exercise.
1.5	1, 4, 7, 10,... 31; True-False Exercise.
1.6	1, 4, 7, 10, … 22; True-False Exercise.
1.7	1, 6, 11, 16, … 46; True-False Exercise.
1.8	1, 6, 11, 16, … 46; True-False Exercise.
2.1	1, 6, 11, 16, … 41; True-False Exercise.
2.2	1, 4, 7, …, 34; True-False Exercise.
2.3	1, 4, 7, …, 34; True-False Exercise.
3.1	1, 4, 7, 10,... 31; True-False Exercise.
3.2	1, 4, 7, …, 34; True-False Exercise.
3.3	1, 6, 11, 16, …, 41; True-False Exercise.
3.4	1, 4, 7, 10, …, 22; True-False Exercise.
3.5	1, 6, 11, 16, …, 41; True-False Exercise.
4.1	1, 4, 7, 10,... 28; True-False Exercise.
4.2	1, 4, 7, 10,... 28; True-False Exercise.
4.3	1, 4, 7, 10,... 22; True-False Exercise.
4.4	1, 4, 7, 10,... 31; True-False Exercise.
4.5	1, 4, 7, 10,... 31; True-False Exercise.
4.6	1, 4, 7, 10,... 25; True-False Exercise.
4.7	1, 4, 7, 10,... 19; True-False Exercise.
4.8	1, 4, 7, 10,... 31; True-False Exercise.
4.9	1, 6, 11, 16, …, 41; True-False Exercise.
5.1	1, 4, 7, 10,... 37; True-False Exercise.
5.2	1, 6, 11, 16, …, 41; True-False Exercise.
5.3	1, 4, 7, 10,... 34; True-False Exercise.
6.1	1, 6, 11, 16, … 46; True-False Exercise.
6.2	1, 6, 11, 16, … 51; True-False Exercise.
6.3	1, 6, 11, 16, … 51; True-False Exercise.
6.4	1, 4, 7, 10,... 31; True-False Exercise.
7.1	1, 4, 7, 10,... 28; True-False Exercise.
7.2	1, 4, 7, 10,... 28; True-False Exercise.
7.3	1, 4, 7, 10,... 37; True-False Exercise.
7.4	1, 4, 7, 10,... 22; True-False Exercise.
7.5	1, 6, 11, 16, … 46; True-False Exercise.
8.1	1, 4, 7, 10,... 37; True-False Exercise.
8.2	1, 6, 11, 16, … 46; True-False Exercise.
8.3	1, 4, 7, 10,... 25; True-False Exercise.
8.4	1, 4, 7, 10,... 22; True-False Exercise.
8.5	1, 4, 7, 10,... 31; True-False Exercise.

Student Learning Outcome(s):

*Construct and evaluate linear systems/models to solve application problems.

*Solve problems by deciding upon and applying appropriate algorithms/concepts from linear algebra.

*Apply theoretical principles of linear algebra to define properties of linear transformations, matrices and vector spaces.