

Math 2A-3      9:30 am --10:20 am      MTWRF      Room: E31      Spring, 2019

## SYLLABUS

**Instructor:** Dr. Kejian Shi  
**Office:** S-16A  
**Office Phone:** (408) 864-8481  
**Office Hour:** MTWTh: 7:45--8:20AM & 1:25 -- 2:00PM; F: 7:45—8:20AM, or by appointment

**Prerequisites:** Math 1D (with a grade of C or better), or equivalent  
**Textbook:** *A first course in DIFFERENTIAL EQUATIONS*, 10<sup>th</sup> Ed. by Dennis G. Zill

**Attendance:** Students are expected to attend all classes on time. Students who are absent more than **3 times** may be dropped from the class. However, **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 (hw) will be assigned **every day in class** and will be collected three times, each on the **examination days** (20 points for each collection). No late hws will be accepted. Hw is the key to success in this class. Plan to devote a minimum of **TWO hours** to hw for **each class hour**.

**Quizzes:** **Three Quizzes** (33, 33, and 34 points) will be given in class. No makeup quizzes. Quiz problems are similar to homework problems and lecture examples.

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

**Final Exam:** **One two-hour comprehensive examination** will be given from **9:15am–11:15** on **Tuesday, June 25, 2019**. Any student missing the final will receive an F grade.

Grading:	<u>Distribution</u>		Grade	<u>Scale</u>	
				Points	Percentage
Homework	60		A+	530-560	95%-100%
			A	502-529	90%-94%
			A-	490-501	88%-89%
Quizzes	100		B+	474-489	85%-87%
			B	446-473	80%-84%
			B-	429-445	77%-79%
Midterms	200		C+	401-428	72%-76%
			C	362-400	65%-71%
			D+	339-361	61%-64%
Final Exam	200		D	321-338	57%-60%
			D-	306-320	55%-59%
	Total	560	F	0-305	0%-54%

**Integrity:** Any type of cheating is not tolerated. Corresponding school rules will be followed.

**Tentative Schedule:**

	MON	TUE	WED	THUR	FRI	SAT	SUN	Wk
APL	8 <b>1.1</b>	9 <b>1.1</b>	10 <b>1.2</b>	11 <b>1.3</b>	12 <b>1.3</b>	13	14	1
APL	15 <b>2.1</b>	16 <b>2.2</b>	17 <b>2.2</b>	18 <b>2.3</b>	19 <b>Review Quiz #1</b>	20 Last day to add	21 Last day to drop with no record	2
APL	22 <b>Solution 2.4</b>	23 <b>2.4, 2.5</b>	24 <b>2.5</b>	25 <b>2.6</b>	26 <b>3.1</b>	27	28	3
APL / MAY	29 <b>3.1</b>	30 <b>3.2</b>	1 <b>3.2</b>	2 <b>Review</b>	3 Request P/NP <b>Exam #1</b>	4	5	4
MAY	6 <b>Solution</b>	7 <b>4.1</b>	8 <b>4.1</b>	9 <b>4.1</b>	10 <b>4.2</b>	11	12	5
MAY	13 <b>4.3</b>	14 <b>4.4</b>	15 <b>4.4</b>	16 <b>4.6</b>	17 <b>Review Quiz #2</b>	18	19	6
MAY	20 <b>Solution 4.6</b>	21 <b>4.7</b>	22 <b>4.7</b>	23 <b>4.9</b>	24 <b>5.1</b>	25	26	7
MAY / JUN	27 Memorial Day <b>HOLIDAY</b>	28 <b>5.1</b>	29 <b>5.2</b>	30 <b>Review</b>	31 Drop with "W" <b>Exam #2</b>	1	2	8
JUN	3 <b>Solution</b>	4 <b>6.1</b>	5 <b>6.1</b>	6 <b>6.2</b>	7 <b>6.2</b>	8	9	9
JUN	10 <b>6.2</b>	11 <b>7.1</b>	12 <b>7.1, 7.2</b>	13 <b>7.2</b>	14 <b>Review Quiz #3</b>	15	16	10
JUN	17 <b>Solution 7.3</b>	18 <b>7.3</b>	19 <b>7.4</b>	20 <b>7.4</b>	21 <b>Review</b>	22	23	11
JUN	24	25 <b>Final Exam 9:15AM-11:15</b>	26	27	28	29	30	12
JUL	1 SUMMER BEGINS	2	3	4	5	6	7	1

**Student Learning Outcome(s):**

\*Construct and evaluate differential equation models to solve application problems.

\*Classify, solve and analyze differential equation problems by applying appropriate techniques and theory.