

Math 41-5, 9:30 am --10:20 am, MTWThF, Room: S16,

Winter, 2019

SYLLABUS

Instructor: Dr. Kejian Shi
Office: S-16A
Office Phone: (408) 864-8481
Office Hour: 8:30am – 9:20am MTWThF or by appointment

Prerequisites: Math 114 (with a grade of C or better), or equivalent
Textbook: *Precalculus with Limits*, 3rd Ed., by Larson
Materials: Graphing calculator recommended

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 on **Tuesday, March 26, 2019**, from **9:15am–11:15am**. 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:	<u>Distribution</u>		<u>Scale</u>		
			Grade	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-	434-445	78%-79%
Midterms	200		C+	418-433	75%-77%
			C	362-417	65%-74%
			D+	334-361	60%-64%
Final Exam	200		D	322-333	58%-59%
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Total	560		F	0-307	0%-54%

Tentative schedule:

Winter 2019								
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Wk
Jan	7 INSTRUCTION BEGINS 1.1	8	9	10	11	12	13	1
Jan	15 1.4	15 1.1, 1.5	16 1.2	17 1.2, 1.3	18 Review Quiz #1	19 <i>Last Day to Add</i>	20 <i>Last Day to Drop with refund/credit, with no record.</i>	2
Jan	21 ML K Holiday No Class	22 1.6, 1.7	23 1.7	24 1.7	25 1.8	26	27	3
Jan / Feb	28 1.8, 1.9	29 1.9	30 1.10	31 Review Hw/Proj.1 Due	1 <i>Last day to request P/NP Exam #1</i>	2	3	4
Feb	4 Solution	5 1.10	6 2.1	7 2.2	8 2.3	9	10	5
Feb	11 2.3	12 2.4	13 2.4	14 Review Quiz #2	15 <i>Lincoln's B-Day Holiday No Class</i>	16 <i>President's Weekend</i>	17	6
Feb	18 <i>Washington's B-day Holiday No Class</i>	19 Solution 2.5	20 2.5	21 2.6	22 2.6	23	24	7
Feb / March	25 2.7	26 3.1	27 3.1, 3.2	28 Review Hw/Proj.2 Due	1 <i>Last Day to drop with a W Exam #2</i>	2	3	8
March	4 Solution	5 3.2	6 3.3	7 3.3, 3.4	8 3.4	9	10	9
March	11 3.5	12 3.5	13 10.1	14 10.1, 10.2	15 Review Quiz #3	16	17	10
March	18 Solution 10.2	19 10.3	20 10.3, 10.4	21 10.4	22 Review Hw/Proj.3 Due	23	24	11
March	25	26 FINAL EXAM 9:15AM-11:15	27	28	29	30	31	12
April	1	2	3	4	5	6	7	0
April	8 SPRING INSTRUCTION BEGIN	9	10	11	12	13	14	1

Student Learning Outcome(s):

*Investigate, evaluate, and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations.

*Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.