

SYLLABUS

Instructor: Dr. Kejian Shi
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Office Hour: 10:30 --11:00 a.m. and 1:30 p.m. – 2:00 MTWThF, or by appointment

Prerequisites: Math 1B (with a grade of C or better), or equivalent
Textbook: *CALCULUS – Early Transcendentals*, the 8th Ed. by James Stewart
Materials: A scientific 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 **Monday, December 10, 2018**, from **11:30am–1:30pm** Any student missing the final will receive an F grade for the course.

Integrity: Any type of cheating is 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%
			D-	308-321	55%-57%

	Total	560	F	0-307	0%-54%

Tentative Schedule:

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Wk
SEP	24 INSTRUCTION BEGINS 10.1	25 10.2	26 10.2	27 10.3	28 10.3	29	30	1
OCT	1 10.4	2 11.1	3 11.1	4 11.2	5 Review Quiz #1	6 Last Day to Add	7 Last Day to Drop with no Record	2
OCT	8 Census Day 11.2	9 11.3	10 11.3, 11.4	11 11.4	12 11.5	13	14	3
OCT	15 11.5, 11.6	16 11.6	17 11.7	18 Review Hw/Proj. 1 Due	19 Last Day to Request P/NP Exam #1	20	21	4
OCT	22 Solution	23 11.8	24 11.8	25 11.9	26 11.9	27	28	5
OCT / NOV	29 11.9	30 11.10	31 11.10	1 11.11	2 Review Quiz #2	3	4	6
NOV	5 17.4	6 17.4	7 12.1	8 12.2	9 12.2, 12.3	10	11	7
NOV	12 VETERAN'S DAY NO CLASSES	13 12.3	14 12.4	15 Review Hw/Proj. 2 Due	16 Last Day to Drop with a W Exam #2	17	18	8
NOV	19 Solution	20 12.4	21 12.5	22 THANKS GIVING NO CLASSES	23 THANKS GIVING NO CLASSES	24	25	9
NOV / DEC	26 12.5	27 12.6	28 13.1	29 13.2	30 Review Quiz #3	1	2	10
DEC	3 13.3	4 13.3	5 13.4	6 13.4	7 Review Hw/Proj. 3 Due	8	9	11
DEC	10 Final Exam 11:30AM-1:30	11	12	13	14	15	16	12
12 weeks, 53 days of instruction								

Student Learning Outcome(s):

*Graphically, analytically, numerically and verbally analyze infinite sequences and series from the perspective of convergence, using correct notation and mathematical precision.

*Apply infinite sequences and series in approximating functions.

*Synthesize and apply vectors, polar coordinate system and parametric representations in solving problems in analytic geometry, including motion in space.