

SYLLABUS

Instructor: Dr. Kejian Shi
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Office Hour: 8:30 --9:20 a.m. 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, March 25, 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%
			F	0-307	0%-54%
	Total	560			

Tentative Schedule:

Winter 2019								
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Wk
Jan	7 INSTRUCTION BEGINS 10.1	8	9	10	11	12	13	1
Jan	14 10.4	15 11.1	16 11.1	17 11.2	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 Solutions 11.2	23 11.3	24 11.3, 11.4	25 11.4	26	27	3
Jan / Feb	28 11.5	29 11.5, 11.6	30 11.6	31 Review Hw/Proj.1 Due	1 <i>Last day to request P/NP Exam #1</i>	2	3	4
Feb	4 Solution	5 11.7	6 11.8	7 11.8	8 11.9	9	10	5
Feb	11 11.9	12 11.9	13 11.10	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 11.10	20 11.11	21 17.4	22 17.4	23	24	7
Feb / March	25 12.1	26 12.2	27 12.2, 12.3	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 12.3	6 12.4	7 12.4	8 12.5	9	10	9
March	11 12.5	12 12.6	13 13.1	14 13.2	15 Review Quiz #3	16	17	10
March	18 Solution 13.3	19 13.3	20 13.4	21 13.4	22 Review Hw/Proj. 3 Due	23	24	11
March	25 FINAL EXAM 11:30AM-1:30	26	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):

*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.