SYLLABUS

Instructor:	Dr. Kejian Shi
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Office Hour:	Thursdays: 11:00am-12:00noon, S16-A

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: This class is an **in-person class**. Students are expected to attend all classes on time. Students who are absent more than **two times** may be dropped from the class. However, **it is the students' responsibility to drop by the appropriate deadline. Petitions to drop after the deadline 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: **Three Quizzes** (33, 33, and 34 points) are **proctored quizzes** and will be given in the classroom on quiz days. Quiz problems are like homework problems and lecture examples. No makeup quizzes. The lowest quiz score will be replaced by the average of the two highest quiz scores.

Midterms: **Two midterm examinations** (100 points each) are **proctored exams** and will be given in the classroom on the midterm exam days. No makeup exams. The lowest midterm score will be replaced by the percentage of the final exam if the final percentage is higher.

Final Exam: **One comprehensive examination** is a **proctored exam** and will be given in the classroom from **1:45pm-3:45pm** on **Tuesday, March 26, 2024**. 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:

Distribution

Quizzes	100	
Midterms	200	
Final Exam	200	

Total	500	

Scale

Grade	Points	Percentage
A+	473-500	95%-100%
A	448-472	90%-94%
A-	438-447	88%-89%
B+	423-437	85%-87%
B	398-422	80%-84%
B-	388-397	78%-79%
C+	373-387	75%-77%
C	323-372	65%-74%
D+	298-322	60%-64%
D	288-297	58%-59%
D-	273-287	55%-57%
F	0-272	0%-54%

Tentative Schedule:

Winter 2024							
	MONDAY	**TUESDAY**	**WEDNESDAY**	**THURSDAY**	**FRIDAY**	**SATURDAY**	**SUNDAY**	**Wk**
Jan	**8** INSTRUCTION BEGINS	**9** 10.1, 10.2	**10**	**11** 10.3	**12**	**13**	**14**	**1**
Jan	**15**	**16** 10.4, 11.1	**17**	**18** 11.2 Quiz #1 3:00pm-3:45pm	**19**	**20** *Last Day to Add*	**21** *Last Day to Drop with refund/credit, with no record.*	**2**
Jan	**22** M L K Holiday *No Class*	**23** (Census Day) Solutions 11.3	**24**	**25** 11.4	**26**	**27**	**28**	**3**
Jan / Feb	**29**	**30** 11.5, 11.6	**31**	**1** Review Exam #1 2:30pm-3:45pm	**2** *Last day to request P/NP*	**3**	**4**	**4**
Feb	**5**	**6** Solutions 11.7, 11.8	**7**	**8** 11.8, 11.9	**9**	**10**	**11**	**5**
Feb	**12**	**13** 11.9	**14**	**15** 11.10 Quiz #2 3:00pm-3:45pm	**16** *Lincoln's B-Day Holday* No Class	**17** *President's Weekend*	**18**	**6**
Feb	**19** *Washington's B-day Holiday* No Class	**20** Solutions 11.10, 11.11	**21**	**22** 17.4, 12.1	**23**	**24**	**25**	**7**
Feb / March	**26**	**27** 12.2, 12.3	**28**	**29** Review Exam #2 2:30pm-3:45pm	**1** *Last Day to drop with a W*	**2**	**3** *Last day to file Winter degree or certificate*	**8**
March	**4**	**5** Solutions 12.3, 12.4	**6**	**7** 12.4, 12.5	**8**	**9**	**10**	**9**
March	**11**	**12** 12.6, 13.1	**13**	**14** 13.2 Quiz #3 3:00pm-3:45pm	**15**	**16**	**17**	**10**
March	**18**	**19** Solutions 13.3	**20**	**21** 13.4 Review	**22**	**23**	**24**	**11**
March	**25**	**26** FINAL EXAM 1:45pm-3:45pm	**27**	**28**	**29**	**30**	**31**	**12**

Homework Problems:

Sections	Problems
10.1	3, 5, 11, 13, 19, 21, 37
10.2	3, 5, 7, 11, 13, 15, 17, 29, 31, 33, 37, 39, 43, 49, 51, 57, 61, 65
10.3	7, 9, 11, 15, 17, 23, 25, 29, 33, 37, 39, 55, 57, 61, 63
10.4	1, 3, 9, 13,17, 21, 23, 25, 27, 29, 31, 35, 37, 39, 41, 45
11.1	5, 7, 9, 11, 13, 17, 19, 23, 27, 33, 37, 45, 49, 51, 57, 59, 65, 70, 73, 75, 77, 79, 81
11.2	5, 9, 11, 15, 19, 23, 29, 33, 37, 39, 41, 43, 45, 51, 57, 59, 61, 67, 75
11.3	2, 3, 7, 11, 15, 17, 21, 29, 35, 37, 39
11.4	1, 3, 5, 7, 9, 11, 15, 19, 23, 27, 29, 31, 33, 35, 41
11.5	3, 7, 9, 13, 17, 21, 23, 25, 27
11.6	1, 3, 5, 7, 9, 13, 19, 25, 29, 31, 37, 39, 43
11.7	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29
11.8	5, 7, 11, 15, 19, 23, 29, 30, 32, 35
11.9	3, 5, 7, 9, 13, 15, 19, 25, 27, 29, 31, 34, 37
11.10	4, 5, 9 ,11, 15, 21, 25, 31, 33, 35, 39, 53, 55, 57, 59, 61, 63
11.11	5, 7, 9, 13, 19, 27
17.4	1, 3, 5, 7, 9, 11
12.1	3, 5, 9, 11, 13, 15, 17, 23, 41, 45, 47
12.2	3, 5, 7, 11, 13, 19, 21, 25, 26, 27, 29, 31, 33, 37, 41, 45, 47
12.3	3, 7, 9, 13, 15, 19, 23, 27, 29, 33, 39, 43, 47, 49, 51, 55, 57
12.4	3, 7, 9, 11, 13, 17, 19, 23, 27, 29, 31, 33, 35, 37, 39, 43, 45
12.5	7, 11, 13, 15, 19, 21, 23, 25, 27, 31, 33, 35,37, 39, 41, 45, 49, 51, 55, 57, 59, 64, 65, 67, 71, 73
12.6	3, 5, 7, 9, 11, 15, 17, 19, 21, 28, 35, 37
13.1	1, 3, 5, 7, 11, 13, 15, 17, 27, 29, 33, 35, 37, 42, 43, 45, 49
13.2	3, 5, 7, 11, 13, 17, 19, 21, 23, 25, 33, 35, 37, 41
13.3	3, 5, 7, 11, 13, 17, 19, 21, 25, 27, 29, 30, 31, 37, 43, 47, 49, 53, 57
13.4	3, 5, 7, 9, 13, 15, 17, 19, 22, 23, 25

Student Learning Outcome(s):

• 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.

Office Hours:

W	10:00 AM	11:00 AM	Canvas,Zoom	
TH	11:00 AM	12:00 PM	In-Person	S-16A
T	10:00 AM	11:00 AM	Zoom,Canvas	
M	10:00 AM	11:00 AM	Zoom,Canvas	