SYLLABUS

Instructor:	Dr. Kejian Shi
e-mail:	shikejian@fhda.edu
Office Hour:	Tuesdays, 10:00am-11:00am virtual office hour via zoom on canvas

Prerequisites:	Math 1C (with a grade of C or better), or equivalent
Textbook:	*CALCULUS – Early Transcendentals*, 9th E (California Edition), by James Stewart
Materials:	Graphing calculator recommended

Attendance: This class is an **online synchronous class**. The class meets on Mondays and Wednesdays from 6:30pm to 8:45pm on the Canvas zoom. Questions will be answered during the classes, office hours, or through emails. (**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: <u>**Three**</u> **Quizzes** (33, 33, and 34 points) will be given from **8:00pm-8:45pm** on the quiz day. No makeup quizzes. Quiz problems are similar to homework problems and lecture examples.

Midterms: <u>**Two**</u> **midterm examinations** (100 points each) will be given from **8:00pm-9:00pm** on the midterm exam day. No makeup except for extenuating circumstances assuming the student notifies the instructor as soon as the emergency arises.

Final Exam: <u>**One**</u> **comprehensive examination** will be given from **8:00pm-10:00pm** on **Wednesday, March 27, 2024**. 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>

Distribution			Grade	Points	Percentage
			A+	473-500	95%-100%
Quizzes	100		A	448-472	90%-94%
			A-	438-447	88%-89%
			B+	423-437	85%-87%
			B	398-422	80%-84%
Midterms	200		B-	388-397	78%-79%
			C+	373-387	75%-77%
			C	323-372	65%-74%
			D+	298-322	60%-64%
Final Exam	200		D	288-297	58%-59%
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Total	500		F	0-272	0%-54%

Math 1D-51Z Tentative Schedule (Winter 2024):

Winter 2024							
	MONDAY	**TUESDAY**	**WEDNESDAY**	**THURSDAY**	**FRIDAY**	**SATURDAY**	**SUNDAY**	**Wk**
Jan	**8** INSTRUCTION BEGINS 14.1, 14.2	**9**	**10** 14.3, 14.4	**11**	**12**	**13**	**14**	**1**
Jan	**15** M L K Holiday (No class)	**16**	**17** 14.5, 14.6	**18**	**19** Quiz #1 8:00pm-8:45pm	**20** *Last Day to Add*	**21** *Last Day to Drop without a W*	**2**
Jan	**22** Census Day 14.7	**23**	**24** 14.8, 15.1	**25**	**26**	**27**	**28**	**3**
Jan / Feb	**29** 15.2	**30**	**31** 15.3	**1**	**2** Exam #1 8:00pm-9:00pm	**3**	**4**	**4**
Feb	**5** 15.4	**6**	**7** 15.5, 15.6	**8**	**9**	**10**	**11**	**5**
Feb	**12** 15.7	**13**	**14** 15.8	**15** Quiz #2 9:00pm-9:45pm	**16** *Lincoln's B-Day Holday* (No class)	**17** *President's Weekend*	**18**	**6**
Feb	**19** *Washington's B-day Holiday* (No class)	**20**	**21** 15.9, 16.1	**22**	**23**	**24**	**25**	**7**
Feb / March	**26** 16.2	**27**	**28** 16.3	**29** Review	**1** *Last day: drop with a W* Exam #2 8:00pm-9:00pm	**2**	**3**	**8**
March	**4** 16.4	**5**	**6** 16.5	**7**	**8**	**9**	**10**	**9**
March	**11** 16.6	**12**	**13** 16.7	**14**	**15** Quiz #3 8:00pm-8:45pm	**16**	**17**	**10**
March	**18** 16.8	**19**	**20** 16.9	**21**	**22** Review	**23**	**24**	**11**
March	**25**	**26**	**27** Final Exam 8:00pm-10:00pm	**28**	**29**	**30**	**31**	**12**

Sections	Problems
14.1	1, 4, 7, 10, 18, 21, 25, 31, 45, 48, 68
14.2	5, 8, 11, 14, 17, 20, 26, 29, 32, 35, 38, 41
14.3	1, 4, 7, 10, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45
14.3	48, 51, 54, 57, 60, 63, 66, 69, 72, 75, 78, 81, 84, 87
14.4	1, 4, 7, 11, 14, 17, 21, 24, 27, 30, 33, 36, 39, 42, 45
14.5	1, 4, 7, 10, 13, 16, 19, 22, 25, 28
14.5	31, 34, 37, 40, 43, 46, 49, 52, 55, 58
14.6	4, 7, 10, 13, 16, 19, 22, 25, 28, 41, 44, 51, 55
14.7	1, 4, 7, 10, 13, 16, 19, 22, 31, 34, 37, 43, 47, 50, 59
14.8	1, 4, 7, 10, 13, 16, 19, 22, 25, 30
15.1	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40, 47, 50
15.2	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31
15.2	35, 37, 40, 45, 48, 51, 54, 57, 60, 62, 65, 68
15.3	1, 4, 6, 7, 10, 13, 16, 19, 22, 25, 29, 32, 34, 37, 40
15.4	1, 4, 7, 10, 13, 16, 19, 22, 28
15.5	1, 4, 7, 10, 13, 21, 24
15.6	2, 4, 7, 10, 13, 16, 19, 22, 25, 28
15.6	31, 34, 35, 37, 40, 43, 46, 48, 51, 54
15.7	1, 4, 6, 8, 9, 11, 15, 18, 21, 24, 27, 30
15.8	1, 4, 6, 8, 10, 13, 16, 18, 20, 23, 26, 29, 32, 35, 42, 48
15.9	1, 4, 7, 10, 11, 14, 16, 19, 22, 25, 27
16.1	1, 4, 7, 10, 13, 16, 21, 24, 25, 31, 34
16.2	1, 4, 7, 10, 13, 16, 19, 22, 25, 33, 36, 39, 42, 45, 48
16.3	1, 4, 7, 10, 13, 16, 19, 22, 24, 26, 29, 32, 35
16.4	1, 4, 7, 10, 11, 14, 17, 21, 24, 27
16.5	1, 4, 7, 10, 12, 15, 18, 21, 24, 27, 30, 33, 34
16.6	1, 4, 13, 16, 19, 22, 25, 33, 36, 39, 42, 45, 48, 51, 61, 62
16.7	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 37, 40, 43, 46, 49
16.8	1, 4, 7, 10, 13, 16, 19, 20
16.9	1, 4, 7, 10, 13, 17, 19, 24, 26, 29

Student Learning Outcome(s):

• Apply analytic, graphical and numerical methods to study multivariable and vector-valued functions and their derivatives, using correct notation and mathematical precision.

• Use double, triple and line integrals in applications, including Green's Theorem, Stokes' Theorem and Divergence Theorem.

• Synthesize the key concepts of differential, integral and multivariate calculus.

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	