SYLLABUS

Instructor:	Dr. Kejian Shi
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Office & Phone:	S-16A, (408)864-8481
Office Hour:	MTWThF: 3:00pm-4:00pm, or by appointment

Prerequisites:	Math 11 or 41 (with a grade of C or better)
Textbook:	*CALCULUS and its applications*, Tenth Edition, by Bittinger etc.
Materials:	A scientific calculator recommended

Attendance: Students are expected to attend all classes on time. **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 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) will be given during the class time period. 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 during the class time period. 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 **Wednesday, June 24, 2020**. from **11:30am–1:30pm** 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:

Distribution			Scale		
			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 12-12 Tentative Schedule (Spring 2020):

	MON	TUE	WED	THUR	FRI	SAT	SUN	Wk
APL	13 **1.1**	14 **1.2**	15 **1.3**	16 **1.4**	17 **1.5**	18	19	1
APL	20 **1.6**	21 **1.7**	22 **1.8**	23 **Review** **Quiz #1**	24 **2.1**	25 Last day to add Drop for refund	26 Last day to drop with no record	2
APL / MAY	27 **2.2**	28 **2.3**	29 **2.4**	30 **2.5**	1 **2.6**	2	3	3
MAY	4 **2.7**	5 **Review**	6 **Exam #1**	7 **Solution**	8 Request P/NP **3.1, 3.2**	9	10	4
MAY	11 **3.3**	12 **3.4**	13 **3.5**	14 **3.6**	15 **Review** **Quiz#2**	16	17	5
MAY	18 **4.1**	19 **4.2**	20 **4.3**	21 **4.4**	22 **4.5**	23	24	6
MAY	25 MEMORIAL DAY **HOLIDAY**	26 **4.6**	27 **4.7**	28 **Review**	29 **Exam #2**	30	31	7
JUN	1 **Solution**	2 **5.1**	3 **5.2**	4 **5.3**	5 Drop with "W" **5.4**	6	7	8
JUN	8 **5.6**	9 **5.7**	10 **Review** **Quiz #3**	11 **6.1**	12 **6.2**	13	14	9
JUN	15 **6.3**	16 **6.4**	17 **6.5**	18 **6.6**	19 **Review**	20	21	10
JUN	22	23	24 **Final Exam** **11:30am-1:30**	25	26	27	28	11
JUN / JUL	29 **SUMMER** **BEGINS**	30	1	2	3	4	5	1

Sections	Problems
1.1	11, 15-22, 54, 59, 65, 68
1.2	1, 5, 9, …, 69 (every other odd)
1.3	1, 6, 11, 18, 25, 28, 30, 33, 34
1.4	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34
1.5	1, 5, 9, …, 65 (every other odd)
1.6	5, 12, 15, 20, 25, 35, 40, 46, 113, 117
1.7	1, 4, 7, …, 73 (every third)
1.8	1, 4, 7, …, 46 (every third)
2.1	1, 4, 7, …, 34 (every third)
2.2	1, 5, 9, …, 45 (every other odd)
2.3	2, 6, 14, 18, 28, 32, 42, 48, 54
2.4	7, 10 , 13, …, 34 (every third) and 49, 52, 55, 61
2.5	7, 10, 15, 18, 20, 22, 38
2.6	4, 5, 6, 28, 31, 37, 40, 45, 48, 53
2.7	1, 4, 8, 10
2.8	4, 10, 13, 19, 24, 29, 34, 39, 45
3.3	4, 7, 21, 41
3.4	18, 22, 24, 41
3.5	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34
3.6	1, 4, 7, 11, 13, 17, 19
4.1	1, 4, 7, …, 58 (every third)
4.2	1, 4, 7, …, 34 (every third) and 36
4.3	1, 4, 7, …, 58 (every third)
4.4	1, 4, 7, …, 43 (every third)
4.5	1, 5, 9, …, 57 (every other odd) and 79, 83, 85
4.6	1, 4, 7, …, 37 (every third)
4.7	1, 4, 7, …, 28 (every third)
5.1	1, 4, 7, 10, 13
5.2	1, 4, 7, 10, 13, 16, 19
5.3	1, 4, 7, …, 28 (every third)
5.4	1, 4, 7, …, 28 (every third)
5.5	1, 4, 7, …, 31 (every third)
5.6	1, 4, 7, …, 31 (every third)
5.7	1, 4, 7, …, 46 (every third)
6.1	1, 4, 7, 9, 12
6.2	1, 4, 7, …, 40 (every third)
6.3	1, 4, 7, …, 19 (every third)
6.4	1, 4, 7, 10
6.5	1, 4, 7, 10, 13, 16, 19, 20
6.6	1, 4, 7, 10, 13

<u>Student Learning Outcome(s):</u>

*Use correct notation and mathematical precision in the evaluation and interpretation of derivatives and integrals.

*Evaluate, solve, interpret and communicate business and social science applications using appropriate differentiation and integration methodologies.