

Math 12 – 61Z, Business Calculus

Instructor: Bijan Sadeghi

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**Asynchronous**

Office hours: Email me.

**Textbook:** Applied Calculus for Managerial, Life, and Social Science, 10th Edition, by Soo T. Tan. A graphing calculator is recommended (TI-83/84/86).

**Overview:** Introduction to limits, differentiation and integration of single variable functions; differentiation of multivariable functions: tangent, area, others; various business applications.

**Prerequisite:** Math 31, Math 31H, Math 31B, Math 41, or Math 41H

**Attendance:** Since mathematics is cumulative in nature, attendance at all classes is expected. Students should be aware of appropriate drop dates. It is the student's complete responsibility to drop this class as I will not drop anyone from the class. You are expected to attend all classes. Please inform me by email if you drop the class.

**Homework:** All of the homework will be done online. Once you have your WebAssign access code, go to [www.webassign.net](http://www.webassign.net), log-in and register, and enter the class code:

deanza 8476 5784

**Quizzes:** Quizzes will be given every Thursday. They will be open on Canvas from 7:30 AM to 11:59 PM. No makeup quizzes. Quiz problems are similar to homework problems and lecture examples.

**Midterms:** Two midterm exams will be given in class.

**Final Exam:** A two- hour comprehensive final exam will be given on Thursday, August 8th, 2024. No-make-ups.

<b>Grade:</b>	Quizzes	100 points	665-700->"A+"	630-664->"A"
	Homework	200 points	616-629->"A-"	595-615->"B+"
	Exams (2)	200 points	560-594->"B"	539-559->"B-"
	<u>Final</u>	<u>200 points</u>	504-538->"C+"	455-503->"C"
	Total	700 points	427-454->"D+"	399-426->"D"
			385-398->"D-"	less than 385->"F"

July	1st 2.4-2.5	2nd 2.6	3rd 3.1-3.2	4th <b>No classes</b>
July	8th 3.3	9th 3.4-3.5	10th 3.6	11th 3.7, 4.1
July	15th <b>Midterm 1</b>	16th 4.2	17th 4.3	18th 4.4-4.5
July	22nd 5.4-5.5	23rd 5.6	24th 6.1-6.2	25th 6.3
July/August	29th <b>Midterm 2</b>	30th 6.4-6.5	31st 6.6	August 1st 6.7
August	5th 7.1-7.4	6th 7.1-7.4	7th 7.1-7.4	8th <b>Final</b>

**Cheating:** Cheating is forbidden. There shall be no talking to, or unauthorized helping of other students, or copying from or looking at another student's paper during exams. A class/course grade of "F" will be given for any of the above infractions.

**Important dates:** Last day to add/drop classes: For deadlines to drop with a refund and without and with a "W" grade, go to MyPortal > Students Tab > My Courses> View your Class Schedule. Dates are enforced.

**Student Learning Outcome(s):**

- 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.

**Office Hours:**

Email            M,T,W,TH,F    7:30 AM            5:30 PM