

Course: Math 1A – Calculus

College: De Anza College, PSME Division, Mathematics Department

Course Details: 8:30 a.m. to 10:45 a.m. at Room G1

CRN: 27471

Course Description: Fundamentals of differential calculus

Instructor: Phuong Phan

Contact: Use Canvas email or email phanphuongq@fhda.edu

Office Hours: Monday and Wednesday from 1:30 to 2:15 p.m. via Zoom

Textbook: Calculus Early Transcendentals, 9th Edition, Stewart, Clegg, and Watson

Course Justification: This course satisfies the CSU GE/Breadth requirement Area B4, Mathematics and Quantitative Reasoning, and also satisfies the IGETC requirement, Area 2 Mathematical Concepts, and Quantitative Reasoning. This course is CSU and UC transferable. This course is a required core course for the A.S.-T degree in Mathematics. This is the first course in a sequence of four courses in calculus. This course emphasizes single-variable differential calculus.

Prerequisite(s): MATH 32, MATH 32H, MATH 43 or MATH 43H (with a grade of C or better), or appropriate score on Calculus Placement Test within the past calendar year

Calculator: A Ti-83 or Ti-84 graphing calculator is required for this class.

Course Notes: The course notes packet for each chapter will be posted on Canvas

Homework: Assigned homework is due weekly on Tuesday at midnight (11:59 p.m.) on Canvas. You can do homework with your friend but each student is required to submit homework separately. Most of the problems are odd so you can find the solution on the back of the book. Last homework will not be accepted.

Classwork: Classwork will be given randomly in person and due at the end of the class. You can work individually or as group for this classwork. No Make-Up Classwork will be given and you must turn in at the end of the class.

Exams: All exams must be taken in-person, not online. You must plan to take the exams at their scheduled times. All exams will be closed-book. Approved calculator and one both-sided 5x7 index card note is allowed.

Final Exam: One final will be given. If you have a conflict for final exam date with another class, you must inform me within the first 4 weeks of classes. No exceptions.

Make ups: No make up will be given

Scaling/Curving: The scores you make in tests and final mathematically decides your grade. No scaling/curving will be done.

Cheating: It will result in an “F” for that exams/final exam and may lead to an “F” for the course.

Drop Policy: It is the responsibility of the student to drop the class after he/she attends the first session.

Student Learning Outcome(s):

- Analyze and synthesize the concepts of limits, continuity, and differentiation from a graphical, numerical, analytical and verbal approach, using correct notation and mathematical precision.
- Evaluate the behavior of graphs in the context of limits, continuity and differentiability.
- Recognize, diagnose, and decide on the appropriate method for solving applied real-world problems in optimization, related rates and numerical approximation.

Please be aware that the assignment schedule, course calendar and points breakdown are tentative and may be changed in the event that we do not have enough time to cover the planned material this quarter.

Grading Information: The grade is created with the following weights

Type	Weight (%)
Homework and Classwork	20%
Exam 1 (Chapter 2)	15%
Exam 2 (Chapter 3)	15%
Exam 3 (Chapter 4)	15%
Final Exam (Cumulative – Chapter 2, 3, and 4)	35%

Grading Breakdown: Your letter grade will be determined from your percentage grade according to the following table

A+: 97 – 100%	B+: 87 – 88%	C+: 77 – 78%	D: 62 – 68%
A: 92 – 96%	B: 82 – 86%	C: 72 – 76%	D-: 60 – 61%
A-: 89 – 91%	B-: 79 – 81%	C-: 69 – 71%	F: < 60%

Tentative Schedule

Week	Week Of	Sections	Homework (weekly on Tuesday at midnight on Canvas)
1	Sep 23	Syllabus, Review, 2.1, 2.2, 2.3	
2	Sep 30	2.4, 2.5, 2.6, 2.7	Homework set 1: Review, 2.1, 2.2, and 2.3
3	Oct 7	2.7, 2.8, 3.1	Homework set 2: 2.4, 2.5, and 2.6
4	Oct 14	Classwork#1 Exam 1 – Thursday 10/17	Homework set 3: 2.7, 2.8, and 3.1
5	Oct 21	3.2, 3.3, 3.4, 3.5	
6	Oct 28	3.6, 3.9, 3.10, 4.1	Homework set 4: 3.2, 3.3, 3.4, and 3.5
7	Nov 4	Classwork #2 Exam 2 – Thursday 11/7	Homework set 5: 3.6, 3.9, and 3.10
8	Nov 11	4.2, 4.3, 4.4	
9	Nov 18	4.4, 4.7, 4.8, 4.9	Homework set 6: 4.1, 4.2, and 4.3
10	Nov 25	Classwork #3 Exam 3 – Tuesday 11/26	Homework set 7: 4.4, 4.7, 4.8, and 4.9
11	Dec 2	Final Exam Review	
12	Dec 9	Final Exam: Thursday, Dec 12 from 7:00 AM to 9:00 AM	

Importance Dates:

- Sep 23 – Fall classes begin
- Oct 6 – Last day to add/drop classes without a W
- Nov 11 – Veterans Day – No Classes
- Nov 15 – Last day to drop classes with a W
- Nov 28 – Dec 1 – Thanksgiving – No classes
- Dec 9-13: Final Exam

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Office Hours:

Zoom M,W 1:30 PM 2:15 PM