Math 31-49167 Precalculus (5 units)

Instructor: Christopher Bradley

Email: bradleychristopher@fhda.edu

Classroom: E31

Classtimes: M/W 1:30PM-3:45PM

Student Hours:
Monday and Wednesday 8:00AM-10:00AM in room S55.

My Office: Room E31a

Course Format

This is a face-to-face course. We will meet in Room E31 at the scheduled times, Monday and Wednesday. We will spend this time together to build community, to cover course content, to work on group activities, and to engage in classroom discussions.

I hope you actively participate in this course. Math education research literature shows that working together and learning from each other will help you better understand homework problems, minimize test anxiety, and strengthen your problem-solving skills.

There may be some times when you are unable to make it to the class meetings. All the class "lecture notes" will be posted to Canvas (**Note: from experience, the lecture notes alone do not translate to a good grade, so it is important to be present in class!**). You should make it a point to exchange contact information with a classmate, there could be information discussed in class that does not make it to the posted notes. If you find that these missed days are adding up, please talk to me so that we may assess your situation, together.

Prerequisites

Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent.

Scope and Objectives

This course covers the fundamentals of differential calculus.

- Graph functions and relations in rectangular coordinates
- Synthesize results from the graphs and/or equations of function and relations.
- Apply transformations to the graphs of functions and relations.
- Recognize the relationship between functions and their inverses graphically and algebraically.

- Solve and apply equations including linear, absolute value, radical, abd solve linear and absolute value equations.
- Solve and apply equations including rational, polynomial, exponential, and logarithmic, and solve nonlinear inequalities.
- Solve systems of equations and inequalities.
- Apply functions to model real world applications.
- Develop and use sequences and series.

Student Learning Outcomes

- Investigate, evaluate, and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations.
- Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.

Homework Platform

MyOpenMath (required): www.myopenmath.com. MyOpenMath is the online homework/practice program that you will use to practice concepts learned in class. Make sure to register though canvas (by clicking any assignment and following the steps.), no course number is required. (Free). **No late homework will be accepted!** I will drop 3 of the lowest homework scores at the end of the quarter.

Textbook

We will be using Precalculus 2e, Openstax (it is free!).

Participation

This is a critical part of the course, participating in the group work, working with your peers, struggling through the material together. We will be doing activities (worksheets, think-pair-shares, etc.). Yes, you can miss some days because life happens. However, if you find that you are missing too many class meetings, please come talk to me so that we may assess your situation together. Everyone will have to

present a solution to at least one problem sometime during the 12 weeks in order to get full credit for participation. This does not mean that this is the only thing you have to do! This means that along with participating in in-class activities, asking questions, answering questions, volunteering during class sessions, and discussing with your fellow classmates, you will also have to write out a solution on the board.

Homework

As stated above, we will be using MyOpenMath as our online homework platform. Our homework is an integral part of our class. I encourage collaboration with other classmates on the homework. Work together, but be careful, your partner won't be able to help you during the exams! There will also be written homework, which will be graded on completeness and clarity. Rather than accepting late homework, I will drop your lowest 3 homework assignments automatically. There are roughly 5-6 short written assignments scattered throughout the 12 weeks we have together.

Exams

We will have 4 exams total. 3 of them will occur during the 12 weeks and the last one, our final will happen on the last day of class. The final exam will be cumulative. The **tentative dates** for the exams will be 4/29, 5/20, 6/10, and 6/22 (Final Exam: 1:45pm-3:45pm). More info on the exams will be posted in our canvas course. **There will be no makeup exams!**

Grading	
Homework	15%
Participation	5%
Quizzes	10%
3 Exams	45%
Final Exam	25%

Important Dates

Last day to add: 4/19/26
Last day to drop w/o a W: 4/19/26
Memorial Day Weekend: 5/23-5/25 (no classes)
Last day to Drop w/ W: 5/29/26
Final Exams: 6/22-6/26
(Our Final Exam is on June 22th, 1:45pm-3:45pm)

Grade Percentages

Grades in the class are as follows:

A+: 98% and above	B+: 87%-89.99%	C+: 76%-79.99%	D+: 66%-68.99%
A: 94%-97.99%	B: 83%-86.99%	C: 72%-75.99%	D: 62%-65.99%
A-: 90%-93.99%	B-: 80%-82.99%	C-: 69%-71.99%	F: Below 61.99%

Tutoring

All Math students can get tutoring at the Math, Science & Technology Resource Center! It is free, there is drop-in tutoring as well as online and workshops!

Disabilities Support Services

Students with disabilities needing reasonable accommodations are encouraged to contact DSS early in the quarter. If you think that you may have a learning disability (or physical disability), please contact DSS as soon as possible. More information is available at Disability Support Services (deanza.edu)

Classroom Conduct

You should not be listening to music during class. You should not be texting during class. Cell phones should be turned off/silent (if you need to leave your phone on for some reason, let me know). You may not use a cell phone, smart watch or other device capable of texting or connecting to the internet during an exam.

Only scientific calculators are allowed for this class, and calculator usage is generally allowed on assignments, with some restrictions.

Cheating is unacceptable and will result in a grade of 0 on the exam. See the Student Code of Conduct for further college policies.

All students must comply with the college's COVID policies and protocols.

Student Learning Outcome(s):

• Investigate, evaluate, and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations.
• Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.

Office Hours:

M,W	8:00 AM - 10:15 AM	S55