

CLASS MODE: 100% in person**In person time and location:** M,W 8:30-10:45am in E-31**Instructor:** Vinh Kha Nguyen**How to contact instructor:** nguyenvinh@fhda.edu or Canvas Inbox (preferably)

Allow the instructor 24 hours to reply to a Canvas message, email, or comment.

Allow the instructor 72 hours to grade and comment on the exams and other assignments after their due dates.

Office hours: M,T,W,Th 10:55-11:25am in S-76D

W, Th 2:30-3:20pm on Zoom (see Canvas course for zoom link)

Textbook: Precalculus with Limits, 5th Edition by Ron Larson, published by Cengage. (eText or .pdf copy is ok)**Grade** is composed of homework, quizzes, discussions, exams, and final.

0-59.99% F	70-76.99% C	80-82.99% B-	90-92.99% A-
60-69.99% D	77-79.99% C+	83-86.99% B	93-100% A
		87-89.99% B+	

homework	quizzes	discussions	exams	final	total
50pts	70pts	30pts	210pts	140pts	500pts

Homework: each hw and due date are posted on Canvas. Late homework receives 0 points.

Discussions: each discussion and due date are posted on Canvas. Missed discussion receives 0 points.

Quizzes: each quiz and due date are posted on the course Canvas. *Missed quiz* receives 0 points.**NOTE:** Hw, discussions, and chapter quizzes are available and must be due on the Canvas course, which will be open for students to access on the first day of class. Students are required to check Canvas weekly for weekly assignments.**Exams:** each exam and due date are posted on the course calendar and must be taken in class in person. All exams are comprehensive, focusing on the knowledge and skills students have developed throughout the course. *Missed exam* receives 0 points.**Final:** comprehensive and given at 7am-9am on W 12/09 in the classroom. There is no make-up for final exam.*If student notices that the instructor made an error on the grading, the student is responsible to inform the instructor within a week of the date of the exam/quiz. Otherwise, the student's score on the exam/quiz will be unchangeable.***Makeup Policy:** No makeup quizzes or exams are available. Student must notify the instructor in advance of a missed quiz or a missed exam to use the following makeup policy.**Only 1 missed quiz due to an excused absence or emergency will be covered by the next quiz.****Only 1 missed exam due to an excused absence or emergency will be covered by the final exam (equivalent percent).****Exam procedure/policy:**

- Each exam is 50 minutes, and there is no dropping lowest exam score. (no time extension for students who show up late)
- Make sure you have fully studied and prepared before you take each exam. (see Canvas Modules for outlines)
- **All exams and final exam must be taken in class in person.**
- **No restroom break are allowed during exams and final exams.**

Academic Integrity: Students will get 0 on the related assignments if:

- Cheat on exams and assignments
- Copy other's work as their own
- Alter work on exam/quiz after it has been graded to deceive the instructor
- **Uploading/sharing instructor's exams or a part of the exam online for others to view will result in a failing grade.**

Repeated academic dishonesty will result in a failing grade in the course. Moreover, all academic dishonesty instances will be reported to the college!

Time Commitment: As stated in the De Anza College course catalog, students are expected to spend at least 5 hours each week participating in class lectures and class activities. Students are also expected to spend at least 10 hours each week doing homework and studying.**Grade improvement:** This class is rigorous, so it can be fast-paced and challenging quite often during the semester. The only way to build confidence is through practice and more practice. Other strategies to improve grade: take detailed notes, ask questions when in

doubt, work with classmates during group work, form study group, do hw sooner rather than later, seek help when needed, understand rather than memorize, prioritize tasks, avoid multi-tasking while studying, etc. **If you are interested in improving your grade, please spend more time studying and doing the homework.**

Campus tutoring, additional assistance, and Internet resources:

- On campus tutoring in S43: <https://www.deanza.edu/studentsuccess/mstrc/>
- Online tutoring: <https://www.deanza.edu/studentsuccess/onlinetutoring/>
- Student's services: <https://www.deanza.edu/services/>
Disability Support Service, EOPS, Veterans, CalWORK, Foster Youth, Food Pantry, Health Service, etc.
- The Internet: Youtube lecture video, Khan Academy, Paul's note, Wolfram Alpha, Microsoft Math Solver, Desmos, GeoGebra, etc.

Student Responsibilities:

- Read and follow the syllabus carefully.
- Participate in lectures, take notes, and study problems on the note before working on homework.
- Read the textbook for more examples.
- Complete and submit all assignments on time.
- Study and prepare for quizzes and exams.
- Behave as an educated and civilized individual and be held accountable for your actions.

Attendance: Students are expected to attend lectures in person and complete all weekly assignments on Canvas. If a student misses a week of class both in person lectures and weekly assignments, the student may be dropped from the course.

Withdrawal/Drop Policy: It is the ultimate responsibility of the student to drop the class. Do not rely on the instructor to drop. A student who stops working on assignments and fails to withdraw by the deadline will get a grade FW.

Smartphone Use: All smartphones must be on silent mode and put away during lecture. We do not learn how to text or search the Web in this class, so there is no reason to have smartphones out during class unless the instructor allows.

Expected Student Conduct: A student who is disruptive will be asked to leave the class. A student who refuses to leave the room will be dropped from the class and will be reported for further action. During the quarter, if you have any questions about the course policies, you will be first referred to this syllabus. Please make sure you keep a copy. You can find Foothill-De Anza College Code of Conduct at <https://www.deanza.edu/student-development/conduct.html>

Accommodation: Students who need additional accommodation, due to a learning disability or some other reason, please contact the instructor during the first two weeks of class to discuss your options. Disability Support Services determines accommodations based on appropriate documentation of disabilities. DSS is located in Student Community Services building room 141, and their phone number is (408) 864-8753.

All students registered for this course will be expected to uphold the following values:

We strive to establish a class atmosphere that is welcoming and inclusive so that students may bring their authentic selves and work to reach their potential. We recognize the value and individuality that each student brings – our learning experience becomes all the richer when we hear from different perspectives. As such, we support all students equally, without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

Course description: This course covers polynomial, rational, exponential, and logarithmic functions, graphs, solving equations, conic sections, systems of equations and inequalities.

Course SLOs:

Upon successful completion of the course, students will be able to:

- 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.

Tentative Course Calendar (students are responsible to check Canvas weekly for assignments and due dates)

M	T	W	Th
9/21 Syllabus and Canvas Ch1 Exponents and Radicals Ch1 Factoring	9/22	9/23 Ch1 Solving Equations part1 Ch1 Solving Equations part2	9/24
9/28 Ch1 Interval notations and Solving Inequalities Ch1 Solving Inequalities Cont.	9/29	9/30 Ch1 Linear equation, graph, and applications 7.2 Systems of equations	10/01
10/05 7.2 Applications of System of equations 7.5 Systems of inequalities	10/06	10/07 Exam#1	10/08
10/12 1.4 Functions, Domain & Range, Substitution 1.5 Graphs of functions, inc/dec, local min/max, roots/zeros, asymptotes	10/13	10/14 1.5 Absolute values and Piece-wise functions	10/15
10/19 1.7 Sketching functions using transformation 1.8 Function operations and compositions	10/20	10/21 1.9 Inverse functions 2.1 Quadratic functions 2.1 Completing the square and sketching	10/22
10/26 2.2 Polynomial functions, sketching 2.3 Real Zero Theorem and Long Division 2.5 Zeros of polynomial functions	10/27	10/28 Exam#2	10/29
11/02 2.6 Rational Functions	11/03	11/04 2.6 Asymptotes of Rational Functions 2.6 Simplify complex quotients	11/05
11/09 3.1 Exponential functions 3.2 Logarithmic functions 3.3 Properties of log and the three laws	11/10	11/11 HOLIDAY No Class	11/12
11/16 3.4 Solving exponential equations 3.4 Solving logarithmic equations	11/17	11/18 Exam#3	11/19
11/23 3.5 Modeling with exponential functions	11/24	11/25 Radical Functions Solving Radical Equations	11/26 HOLIDAY
11/30 Ch10 Conic section: Identify and graphing	12/01	12/02 Final review	12/03
12/07	12/08	12/09 FINAL EXAM 7-9am	12/10

10/04 Last day to add/drop a class without W

10/05 Census

11/13 Last day to drop a class with W

12/07-12/11 Final Exam week, no lecture. Show up to class during a specific day and time to take the final exam.

Math 31 Homework

(see Canvas for due date, upload files in .pdf format)

- Homework is graded on completeness and neatness, see tentative course calendar for due date.
 - Must show work for each problem. Hw without show work will be -1pt.
 - Submit one file per section. If not, hw will be -1pt.
 - Name each file to match with the hw description. If not, -1pt.
 - Deduct points from each missing problem depending on the amount of problems in each hw.
- Why should students care about showing work?
 - **Practice makes confidence**
 - **Help to prepare for quizzes and exams**
- Students are responsible to do all homework and submit the work on time,
 - Late hw gets a solid 0pt, so do not submit late hw.

NOTE: To scan and upload hw on Canvas with your phone, I recommend the free Adobe Scan app.

It is ok to write your hw on an ipad or tablet and convert it to .pdf files to upload on Canvas.

Hw#1 (due sun week#1)

Do all problems on Ch1 Exponents and Radicals worksheet

Do all problems on Ch1 Equations and Applications worksheet

Hw#2 (due sun week#3)

Do all problems on Ch1 Inequalities and Applications worksheet

Do all problems on Ch1 Linear Equation and Applications worksheet

Do all problems on Ch7 System of Linear Equations and Applications worksheet

Do all problems on Ch7 System of Linear Inequations and Applications worksheet

Hw#3 (due sun week#4)

Do all problems on Ch1 Functions, Domain, Substitution worksheet

Do all problems on Ch1 Graphs of Functions, Piece-wise Functions, Application worksheet

Hw#4 (due sun week#6)

Do all problems on Ch1 Sketching Functions Using Translations worksheet

Do all problems on Ch1 Composition of Two Functions and Inverses worksheet

Do all problems on Ch2 Polynomials and Applications worksheet

Hw#5 (due sun week#7)

Do all problems on Ch2 Rational and Complex Functions worksheet

Hw#6 (due sun week#9)

3.1 #9,10,11,12,19,27 pg. 206

3.2 #7,11,15,17,25,27,37,38,39,40 pg.216

3.3 #19,21,23,25,27,29,41,45,51,55,59,63,67,71,73 pg.223-224

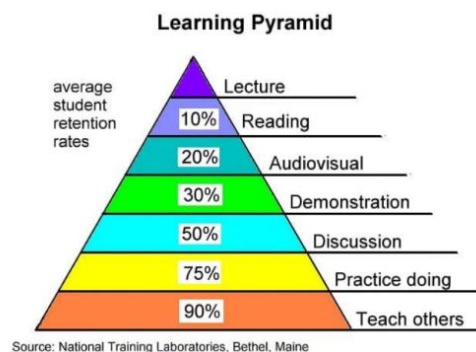
3.4 #21,23,25,27,37,39,4,49,51,53,55,57 pg.233

Hw#7 (due sun week#11)

Do all problems on Ch3 Modeling with Exponential Functions worksheet

Do all problems on the Radical Functions and Equations worksheet

Do all problems on Ch10 Conic Sections worksheet



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:

10:55 AM - 11:25 AM

S-76D M,T,W,TH

2:30 PM - 3:20 PM

Zoom W,TH