Math 41: Pre Calculus I

Instructor: Fatemeh Yarahmadi

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Class Location and Time: TWR 1:30 – 3:45/ L22

Office Hours: Monday 2- 3:30, Friday 11-1:30 in S91H

Text: PreCalculus with Limits –3rd Ed., Larson (2nd Ed could suffice as well); A graphing calculator (TI
83/84/86 or equivalent) is required. Author's tutorial help is available at
www.larsonprecalculus.com

Course Description: "Theory of Functions": Topics include: Functions –linear, polynomial, rational, exponential, logarithmic– and their graphs; solving equations and applications associated with each of those functions.

Prerequisite: MATH 114 or equivalent (with a grade of C or better); or a satisfactory score on the College Level Math Placement Test within the last calendar year.

MATH 231 Algebra Support for Precalculus I

Requisites: Corequisite: MATH 41 or 41H.

Description: A review of the core prerequisite skills, competencies, and concepts needed in when studying polynomial, rational, exponential and logarithmic functions. Intended for majors in business, science, technology, engineering, and mathematics who are concurrently enrolled in Precalculus I.

Attendance: You are expected to attend all class meetings and complete all assignments. Come to class *on time* ready to learn and work for the entire class period. **Turn off cell phones and keep them out of sight.**
"Students missing one more class hour than the unit value for a particular course, without making prior arrangements may, at the instructor's option, be dropped without possibility of credit.

"***It is the responsibility of the student to drop the course.***

Sources of Help:
The De Anza campus has a tutorial center for math students where students can get "drop in" help. The tut orial center is located in room S-43.

Homework:

Written sets for submission: During the term, I will send out homework sets to be written up and UPLOADED on Canvas. These sets will include problem solving, critical thinking and applications exercises. Write your homework out in full detail, as modeled in the textbook and in class. There will be a strong emphasis on how the solutions are written up in this class. A subset of these exercises will be graded for correctness and all of it will be graded for completeness.

HW Guidelines:

- Write your full name in the top right hand corner of the first page.
- Upload them on Canvas

Exams: There will be four exams to test your understanding of the concepts from lecture and the homework. They should be straightforward for those who complete and understand the homework. Each exam will be worth 100 points. A total of 400 points will be counted toward your final grade

No make-up exams will be given. If you are forced to miss an exam, you need to contact me **before** the exam with a valid reason.

Final Exam: A comprehensive final exam worth 200 points will be given on the last day of the class.

Grading Policy:

Homework	Maximum of	100 points
Exam Reviews	4 @ 10 pts	40 points
Exams	4 @ 100 pts	400 points
Participation		60 points
Final	1 @ 200 pts	200 points
Total		**800 points**

Your grade will be computed as a straight average: the total number of points earned divided by the total points possible. Please keep all of your graded papers.

Student Honesty Policy: "Students are expected to exercise academic honesty and integrity. Violations such as cheating and plagiarism will result in disciplinary action which may include recommendation for dismissal."

Special Needs: "Students requiring special services or arrangements because of hearing, visual, or other disability should contact their instructor, counselor, or the Disabled Student Services office."

Recipe for Success:

- If you ever have any questions, COME TALK TO ME! You are welcome to send email to me whenever you need help!
- Visit the Tutoring Center.
- Form a study group.
- Attend all lectures and complete every homework assignment.
- For each hour of class time, expect to spend **two hours** outside of class reading the text, studying your notes, and working problems.
- Read the sections to be discussed in class prior to the lectur

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.