

MATH 41- PRECALCULUS
4:00-6:15 MW- MATH 41.25

De Anza College Fall 2016

Instructor: Timothy K. Smith

Email: smithtimothy@fhda.edu

Office Hours: Mondays and Wednesdays, 12:15 to 1:05 PM. – Tutoring Center

Textbook: Pre-calculus with Limits, by Larson, third edition

Syllabus: We will cover **Chapters 1,2,3** and part of chapter 10.

Course Objectives:

- A. Examine the definition of a function and investigate the implications and properties of this concept
- B. Explore graphs of functions of the form $y = f(x) = x^p$
- C. Create new functions from existing functions
- D. Graph and analyze exponential and logarithmic functions and solve related equations
- E. Graph and analyze polynomial functions and solve related equations and inequalities
- F. Graph and analyze rational functions and solve related equations and inequalities
- G. Graph and analyze conic sections in rectangular coordinates
- H. Examine the logic of conditional and bi-conditional statements as they appear in mathematical statements

TESTS: There will be **three exams, and a final exam** (which will cover all the material of the course). **Exam 1** will cover chapter 1 and part of chapter 2; **Exam 2** will cover the rest of **Chapter 2 and part of Chapter 10**; **Exam 3** will cover **Chapter 3 (the sections covered on the exams may change slightly depending on how fast we go through the material.)**

Homework will be assigned but not graded. There will be a quiz each class period, during the last 15 minutes of class on the homework material.

GRADING :

Exams 1,2,3	60 % (20% each)
Quizzes:	10 %
Final Exam:	30 %

Your grade will be determined by your course percentage as follows:

90 –100 A (The highest score in this range will receive an A+ and 90 is an A-)

80- 89 B (The highest score in this range will receive a B+ and 80 is a B-)

67 - 79 C (The highest score will receive a C+ ; no C minus grades are allowed at De Anza)

52 – 66 D (A score of 52 is a D- and the highest a D+)

0 – 51 F

Attendance Policy: If you decide that you do not want to continue with the course, you must take care of the drop procedure. Do not assume that I will drop you from the course. If you fail to drop the course, then you will receive a failing grade. Make sure you read the drop deadlines in the De Anza schedule. You must take care of the drop paperwork on your own.

CLASSROOM POLICIES:

1. Observe silence and respect during lectures with no whispering or other distracting non-verbal communication. This kind of behavior is rude and distracting to me and to students. We all need a quiet environment in order to concentrate effectively and learn the subject matter of the course. If there is talking during class, I will pause the lecture and look at the person or the area where talking is coming from, to **indicate to them to stop so the lecture can continue**. If talking continues, you will be asked to talk outside the classroom.. Also, eating is not allowed in the classroom. This is a De Anza College policy.

2. If you must leave the class early for an urgent and important reason, please let me know before class starts; sit near the door and after you finish your quiz or exam, please leave immediately and quietly.

3. Cheating is not allowed or tolerated during exams or quizzes. Cheating includes: looking at another student's paper or talking to another student, sharing or showing your calculator to another student, showing another student your test paper, exam or quiz after it has been returned to you, and using a book or unauthorized notes during an exam or quiz and sharing notes with other students.

I will give a warning during exams or quizzes, if I notice any attempt at cheating, If the student continues to cheat, I will give a zero on that exam or quiz. Note that a student who shows his or her exam and the student who copies from the exam will both receive zeroes. I may ask a student to move to another seat if I see any suspicious behavior. I will also separate students who are sitting too close together.

During an exam, you must also put all notes books, backpack, and devices under your chair except for the allowed notecard. If you change any work on your exam or quiz after I return it to you (to try to get a better grade), then I will give you a zero for that exam or quiz.

Sharing another student's calculator on a quiz or exam is considered cheating since the solution to a problem could be stored in the memory which means zero on your exam. Also, sharing your note card with another student means zero on your exam. No cellphones are allowed to be used or on display during exams and quizzes.

You should know that I check and review exam papers twice before I return them to you. If you don't pick up your exam after two meetings, they will be on file at home until you request for them.

4. You must use a pen (only blue or black ink) on all quizzes and exams. I will not grade work done in pencil.

5. You must turn in your exams and quizzes on time at the end of the class period. Ask any questions before the exam; if extremely necessary, you may ask a quick question to a minimum. This means that if you ask me a question, I can only give a brief answer. To be fair to other students, I cannot give you hints on how to do a problem. If you have more extensive questions, please see me during office hours or email me.

6. You may use a calculator on the exams and quizzes, but you are not allowed to use any other device, like a cell phone, laptop, ipad, etc.

7. MAKE UP POLICY: If you miss an exam, then your final exam score will replace the missed exam. I do not give a makeup exam if you miss one exam. If you miss another exam, then I will give you a makeup exam if you have a serious excuse that needs documentation. If you take all three exams for the course, then the final exam will replace your lowest exam. I do not give makeup quizzes, but I will drop your lowest two quiz scores. If you are unable to take the final exam for a serious reason, then you must notify me before the official final exam schedule and arrange to take a makeup. However, the makeup must be taken at least two days before official grade submission so I have time to grade. This means that the latest you can take the makeup is the Monday after your class takes the final exam. Also, in fairness to the other students (who had less time to study), the makeup exam will be much more challenging than the original exam. I only allow students to take an exam once. You cannot retake the final exam or any other exam or quiz. So please study well for each exam.

8. It is the policy of De Anza College that no instructor is allowed to change grades after the course is ended. I cannot give any extra work to improve your grade after the final exam. All work for the course is to be done before the quarter ends.

9. The Math department estimates that you should spend between one and two hours studying outside class for each hour in class. So that means you should expect to put in between 5 and 10 hours per week doing homework for this course. If you need more help with the class material, you can come for help during my office hours, go to the Tutorial Center, or form a study group with other students.

10. **The textbook** is a good investment to help you in studying and on your own time. Please bring your textbook to class regularly to follow the lectures since I will refer to problems in the books quite often. (Renting a textbook is cheaper than a pair of jeans and shirt but it will have lasting benefit so think about it.)

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12. HAVE A GOOD SCHOOLYEAR TO ALL! REMEMBER THAT YOU ARE NOW SHAPING YOUR FUTURE !!!

COURSE SCHEDULE : Math 41.25 Fall 2016

MONDAY

9/26 (**1.1 to 1.3**)
10/3 (**1.7**)
10/10 (**2.1**)
10/17 (**10.2, review**)
10/24 (**10.2 , 10.3**)
10/31 (**2.2,2.3**)
11/ 7 (**2.6**)
11/14 (**3.3, review**)
11/21 3.3
11/28 (**3.5**)
12/ 5 **Exam 3**
12/ 12 NO CLASS

WEDNESDAY

9/28 (1.4 to 1.6)
10/5 (**1.8 , 1.9**)
10/12 (**10.2**)
10/19 (**EXAM 1**)
10/26 (**10.3,10.4**)
11/2 (**2.4,2.5**)
11/ 9 (**2.7, 3.1,3.2**)
11/ 16 (**EXAM 2**)
11/ 23 (3.4,3.5)
11/ 30 (review)
12/ 7 review
6/ 22 FINAL EXAM

Important dates to remember:

Saturday Oct. 8: Last day to add a class. This date is strictly enforced.

Sunday Oct 9 : Last day to drop a class for a full refund or credit. This is also the last date to drop a class with no record of your grade.

Friday Nov. 18 : Last day to drop a class with a W.

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8. Students on the waiting list will be added in the numerical order given by the Administration. However, if you are absent when I call your name to add, then I will add the next person on the list. So come to every class if you are serious about adding.

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