

DE ANZA COLLEGE Fall 2017 Math 41

PRECALC I: THEORY OF FUNCTIONS Math 41.21 1:30PM to 3:45 PM MW MCC - 12

INSTRUCTOR: Steve Headley steve@headley.org Office 12:30-1:20 MW S43

TEXT: PRECALCULUS with LIMITS LARSON THIRD Edition

EQUIPMENT: Graphing Calculator TI 83+, 84+, 83, 86

PREREQUISITES: Prerequisite: Qualifying score on the Calculus Readiness Test within the last calendar year; or Mathematics 114 with a grade of C or better.

COURSE DESCRIPTION: Examine the definition of a function and investigate the implications and properties of this concept. Graph and analyze functions and solve their equations

HOMEWORK: Mathematics is learned by **DOING MATHEMATICS**. You are expected to **READ** the book, **STUDY** the example problems in the book, and **DO** the homework problems assigned on a **DAILY** basis.

Homework problems are due at the **BEGINNING** of each class period. **DO EVERY OTHER ODD PROBLEM FROM EACH SECTION ASSIGNED. MINIMUM OUTSIDE CLASS TIME TEN HOURS/WEEK**

QUIZZES: Daily quizzes will be given at the end of each class meeting, twenty for a total for 100 points. **NO QUIZ MAKE-UPS, YOU MUST BE IN CLASS EVERY DAY.**

EXAMS: There will be 4 EXAMS and a FINAL EXAM. Test #1 will cover Chapter 1, Test #2: Chapter 2, Test #3: Chapter 3, Test #4: Chapter 10.2, 3, 4. The lowest test score will not be used in the computation of your course grade. **No TEST or FINAL make-ups will be given. The Final Exam will cover Chapters 1, 2, 3 and 10 and will be given WEDNESDAY, December 13, 2017 at 1:45 to 3:45PM. in room MCC 12. BRING A PINK SCANTRON.**

ATTENDANCE: Regular and punctual attendance is expected of each student. A student may be dropped for missing **TWO** classes during the quarter. If you decide to stop attending, it is your responsibility to drop the course prior to the drop date, or a grade of F will be given.

EVALUATION: The following scale will be used to determine course grade:

Quiz total	100	600 to 540 points	A
Mid-term tests	300	539 to 480 points	B
Final Exam	200	479 to 420 points	C
TOTAL	600	419 to 360 points	D
		000 to 359 points	F

**DATE DUE**

SEP	25	APPENDIX A5, A6	NOV	22	TEST 3
	27	1.1-1.2		27	10.2
OCT	2	1.3-1.4		29	10.3
	4	1.5 Last Day to ADD (10-7)	DEC	4	10.4
	8,9	1.6 Last Day to DROP \$Back(10-8)		6	TEST 4 – CHAPTER 10
	11	1.7-1.8			
	16	1.9-1.10			
	18	TEST 1 Last Day to Request P/NP(10-20)			
	23	2.1-2.2		13	FINAL CHAPTERS 1 - 3, 10.2-4
	25	2.3-2.4(Review Complex Numbers)			1:45 – 3:45PM
	30	2.5			
NOV	1	2.6,-2.7			
	6	TEST 2			
	8	3.1			
	13	3.2			
	15	3.3-3.4 Last Day to DROP w/W(11-17)			
	20	3.5			

1. Investigate, evaluate and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations. 2. Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.

