De Anza College – Winter '19

Math 41.01 – Precalculus I: Theory of Functions

Instructor:	Danny Tran Email: TranDanny@fhda.edu
Office Hours:	TuTh 12:30P – 1:20P (S43); W 9:30A – 10:20A (E32A); Th 9:00P – 9:50P (Online)
Prerequisite:	Math 114 or equivalent (with a grade of C or better); or a satisfactory score on the College Level Math Placement Test w/in last calendar year.
Class:	M – F 10:30AM – 12:20PM (E33)
Textbook:	1. Precalculus with Limits by Larson; 3rd edition. 2. Student Access Code to WebAssign.
WebAssign:	This is an online program we will be using to complete homework assignments You can either purchase it straight from the website or purchase a textbook from the De Anza bookstore, and WebAssign access will be included. Here are steps to sign up for the online homework system: 1 – Go to http://www.webassign.net 2 – Click on "I Have A Class Key" 3 – Enter: **deanza 0354 8429** 4 – Fill out your personal information If you elect not to pay for the online HW, you must submit hand-written HW to me on the due date, and I will randomly select up to 5 problems from each HW assignment to grade. I highly recommend that you complete the HW online through WebAssign.
Attendance:	Mathematics is a very demanding subject. As a result, regular attendance is extremely important. However, I realize that, on rare occasions, unforeseen circumstances may arise that will prevent you from attending class or will force you to be late to class. ***Also, you MUST be in attendance during the entire first week of classes to ensure that you are not dropped from the course.***

Grading:

Group Quizzes (6 - Drop Lowest)	200
Homework	100
Classwork	60
Exit Tickets (Drop Lowest)	60
Exams (3)	360
Final Exam	220
Total	**1000 points**

Checking Your Grade: Using Google Drive, you will have access to your current grade. Simply email me at trandanny@fhda.edu with your Gmail address & a code name you would like to be identified as on the document. (The code name can be anything that does not reveal your true identity – it can be anything from your favorite type of pasta to your favorite sports team). I will then invite you to the document where you can see your grade on each of the class' assessments.

Group Quizzes: There will be 6 group quizzes throughout the quarter. They will last approximately 60 minutes. You are allowed to work with up to 2 other people during the group quiz. You must submit your own quiz. You are only allowed to use a pencil / pen, eraser, & graphing calculator. You may not make up a quiz after it has been administered, but you may take a quiz early if allowed by the instructor. You may drop your lowest quiz. The lowest group quiz will be dropped; however, you are not allowed to drop a quiz in which you cheat.

Exams: There will be 3 exams. They will last approximately 60 minutes. You are only allowed to use a pencil / pen, eraser, graphing calculator, & note card (that I will distribute). For the final exam, you will be allowed to use a pencil / pen, eraser, graphing calculator, and a note card (that I will distribute). You may not make up an exam after it has been administered, but you may take an exam early if allowed by the instructor.

Grades: Here is what you need in order to obtain the grade you want:

		B+	$88\% \le x < 90\%$
A	$92\% \le x \le 100\%$	B	$82\% \le x < 88\%$
A-	$90\% \le x < 92\%$	B-	$80\% \le x < 82\%$
C+	$78\% \le x < 80\%$	D	$60\% \le x < 70\%$
C	$70\% \le x < 78\%$	F	$x < 60\%$

My Expectations: Math 41 is an incredibly challenging course, so make sure you put yourself in the best situation to succeed by having terrific study habits. Below is a list of tasks you can do in order to best succeed in this course:

- ✓ Attend every class
  - Take notes & ask questions
  - Work with students during the worksheet portion of class
- ✓ Preview each lesson by skimming the lesson for 10-15 min before class meets
- ✓ Review your notes after class, making sure you have understood the material
- ✓ Attend office hours
  - Compile a list of questions and/or problems to ask for help
- ✓ Form study groups to do homework, study for quizzes, exams, & the final

Also, to best prepare yourself, organizationally, for the course, I strongly recommend that you purchase and bring to class each day:

1 – A 3-ring binder
2 – 4 dividers (title them: lecture notes, handouts, quizzes & exams, miscellaneous)
3 – A notebook or loose-leaf paper to take notes in.

Get to Know your classmates:

Obtain the following information from 3 of your classmates:

Classmate 1:	Classmate 2:	Classmate 3:
Name:	Name:	Name:
Email:	Email:	Email:
Telephone #:	Telephone #:	Telephone #:

Math 41 Course Schedule Winter '19 (Tentative Schedule)

Monday	Tuesday	Wednesday	Thursday	Friday
Jan 7 Intro, Syllabus, A5	Jan 8 A5	Jan 9 A6	Jan 10 A6	Jan 11 1.2
Jan 14 1.2	Jan 15 1.3	Jan 16 1.3	Jan 17 1.4	Jan 18 1.4, Group Quiz #1
Jan 21 **MLK Jr. Day** **No Class**	Jan 22 1.5	Jan 23 1.5	Jan 24 1.6	Jan 25 1.6, Group Quiz #2
Jan 28 1.7	Jan 29 1.8	Jan 30 1.8	Jan 31 1.9, Exam #1 Review	Feb 1 Exam #1
Feb 4 1.9	Feb 5 1.10	Feb 6 1.10	Feb 7 2.1	Feb 8 2.1, Group Quiz #3
Feb 11 2.2	Feb 12 2.2	Feb 13 2.3	Feb 14 2.3, Group Quiz #4	Feb 15 **Presidents' Day** **No Class**
Feb 18 **Presidents' Day** **No Class**	Feb 19 2.5	Feb 20 2.5	Feb 21 2.6, Exam #2 Review	Feb 22 Exam #2
Feb 25 2.6	Feb 26 2.7	Feb 27 3.1	Feb 28 3.1	Mar 1 3.2, Group Quiz #5
Mar 4 3.2	Mar 5 3.3	Mar 6 3.3	Mar 7 3.4	Mar 8 3.4, Group Quiz #6
Mar 11 3.5`	Mar 12 3.5	Mar 13 10.2	Mar 14 10.2, Exam #3 Review	Mar 15 Exam #3
Mar 18 10.3	Mar 19 10.3	Mar 20 10.4	Mar 21 10.4	Mar 22 Final Review
Mar 25 No Class	Mar 26 No Class	Mar 27 No Class	Mar 28 **Final (915-1115A)**	

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.