Math 41.09 & 241.09 – Precalculus I: Theory of Functions

Instructor:	Danny Tran Email: trandanny@fhda.edu

Office Hours: Tue, Wed 3:45pm – 4:35pm (S43); Th 10:30am – 11:20am (E32A);
                       Wed 10:30-11:30pm (Email)

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, Th 11:30am – 1:20pm, Tue, Wed 11:30am – 12:20pm (S45)
                       Mon, Wed 12:30pm – 1:20pm (S42)

Student Learning Outcome: (what you should be able to demonstrate by the end of the course):
1. Investigate, evaluate, & differentiate between algebraic & transcendental functions in their graphical, formulaic, & tabular representations.
2. Synthesize, model, & communicate real-life applications & phenomena using algebraic & transcendental functions.

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 7731 1469**
                       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 (5 - Drop Lowest)	16%
Homework (25 - Drop Lowest Section)	14%
Classwork (11 – Drop Lowest)	4%
Exams (4)	44%
Final Exam	22%

Checking Your Grade:	Using Google Drive, you will have access to your current grade. Simply email me at trandanny@deanza.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 European football 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 5 group quizzes throughout the quarter (16% total). They will last approximately 75 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.

Classwork:	There will be 11 classwork assignments (4% total). Each Tuesday, you will complete a classwork assignment covering problems from the most recently covered sections in the course. Credit will be based on completion of the assignment. The lowest classwork will be dropped.

Exams:	There will be 4 midterm examinations (44% total). They will last the entire period, 1 hr 50 min. 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
  - o Take notes & ask questions
  - o 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
  - o 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 Fall 2016 (Tentative Schedule)

9.26 Intro, Syllabus	9.27 A5, CW #1	9.28 A6	9.29 1.2, CW #2
10.3 1.3	10.4 1.4, CW #3	10.5 1.5	10.6 1.5, G Quiz #1
10.10 1.6	10.11 1.7, CW #4	10.12 Exam #1 Review	10.13 1.8, Exam #1
10.17 1.8	10.18 1.9, CW #5	10.19 1.10	10.20 1.10, G Quiz #2
10.24 2.1	10.25 2.2, CW #6	10.26 Exam #2 Review	10.27 2.2, Exam #2
10.31 2.3	11.1 2.3, CW #7	11.2 2.5	11.3 2.5, G Quiz #3
11.7 2.6	11.8 2.7, CW #8	11.9 Exam #3 Review	11.10 3.1, Exam #3
11.14 3.1	11.15 3.2, CW #9	11.16 3.2	11.17 3.3, G Quiz #4
11.21 3.4	11.22 3.4, CW #10	11.23 3.5	11.24 No Class - Thanksgiving
11..8 Exam #4 Review	11.29 10.2, Exam #4	11.30 10.2	12.1 10.3, CW #11
12.5 10.4	12.6 10.4, G Quiz #5	12.7 Final Review	12.8 Final Review
12.12 Final Exam 1130AM-130PM			

Notes:
- Dates for the final exam are set by college policy & cannot be changed. If you cannot take the final on the date given, do not enroll in the course. [Make sure you book flights home for break after finals week.]
- This is a rough day-by-day schedule, so we may be ahead or behind by a class or two at given points in the quarter.