Math 43 – Precalculus III: Advanced Topics

Instructor:	Danny Tran Email: TranDanny@fhda.edu
Office Hours:	M-F 9:45AM – 10:15AM (E32A); W-Th 12:40PM – 1:20PM (E32A) & by appointment
Prerequisite:	Math 42 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 (MLC108)
Required Materials:	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 assignment. We will provide you with the student access code during the first week of class. 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 prefer to complete handwritten homework from the textbook, I will provide a list of the equivalent homework problems during the first week of the course.

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 (7 - Drop Lowest)	240
Homework	100
Classwork	60
Exit Tickets (Drop Lowest)	30
Exams (3)	360
Final Exam	210
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 7 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 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 90 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%, 90%)
A	[92%, 100%]	B	[82%, 88%)
A-	[90%, 92%)	B-	[80%, 82%)
C+	[78%, 80%)	D	[60%, 70%)
C	[70%, 78%)	F	[0%, 60%)

Final Exam Date: Thursday, December 12th 9:15AM – 11:15AM
(You MUST be able to take the final on this day & at this time. NO exceptions)

Get to Know Your Classmates:
Obtain the following information from at least 3 of your classmates:
Name: Name: Name:

Email: Email: Email:

Telephone #:   Telephone #:   Telephone #:

Also, to best prepare yourself for the course, I recommend that you purchase & 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.

Expectations:
Math 43 is an incredibly challenging course; be sure you put yourself in the best situation to succeed by having terrific study habits. The De Anza College Math Department strongly suggests that for each hour of instruction, you spend 1.5 – 2 hours, outside of class, studying (**translates to 6-8 hours per week**). Below is a list of tasks I recommend that you do in order to best succeed in this course & prepare yourself for calculus:

In class:
- ✓ Attend every class (lectures, reviews, quizzes, exams, and labs)
- ✓ Take notes & ask questions
- ✓ Work with students during the worksheet portion of class

Outside of class:
- ✓ Preview each lesson by skimming the lesson for 10-15 minutes before class meets
- ✓ Review your notes after class, making sure you have understood the material
- ✓ Attend office hours
- ✓ Form study groups to complete homework, study for quizzes / exams / final
- ✓ Read the textbook
  - o Read explanations
  - o Work through the completed examples
  - o Complete extra practice problems

Math 43 Course Schedule Fall 2019 (Tentative Schedule)

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Sep 23 Intro, Syllabus, 7.1	Sep 24 7.1	Sep 25 7.3	Sep 26 7.3	Sep 27 7.5, Group Quiz #1
Sep 30 7.5	Oct 1 7.5	Oct 2 8.1	Oct 3 8.1	Oct 4 8.2, Group Quiz #2
Oct 7 8.2	Oct 8 8.2	Oct 9 8.3, 8.4	Oct 10 8.4	Oct 11 9.1, Group Quiz #3
Oct 14 9.1	Oct 15 9.1	Oct 16 9.2	Oct 17 9.2, Exam Review	Oct 18 Exam #1
Oct 21 9.2	Oct 22 9.3	Oct 23 9.3	Oct 24 9.4	Oct 25 9.4, Group Quiz #4
Oct 28 9.4	Oct 29 9.4	Oct 30 9.5	Oct 31 9.5	Nov 1 10.6, Group Quiz #5
Nov 4 10.6	Nov 5 10.6	Nov 6 10.9	Nov 7 10.9, Exam Review	Nov 8 Exam #2
Nov 11 Veterans Day – No Class	Nov 12 10.9	Nov 13 11.1	Nov 14 11.1	Nov 15 11.2, Group Quiz #6
Nov 18 11.2	Nov 19 11.2	Nov 20 11.3	Nov 21 11.3	Nov 22 11.3, Group Quiz #7
Nov 25 11.4	Nov 26 11.4, Exam Review	Nov 27 11.4, Exam #3	Nov 28 Thanksgiving – No Class	Nov 29 Thanksgiving – No Class
Dec 2 Hyperbolics	Dec 3 Hyperbolics	Dec 4 Hyperbolics	Dec 5 Final Review	Dec 6 Final Review
Dec 9 No Class	Dec 10 No Class	Dec 11 No Class	Dec 12 Final (915 – 1115AM)	Dec 13

Student Learning Outcome(s):

*Analyze, investigate, and evaluate linear systems, vectors, and matrices related to two or three dimensional geometric objects.

*Graph and analyze regions/curves represented by inequalities or trigonometric, polar, and parametric equations, including conic sections.

*Analyze, develop, and evaluate formulas for sequences and series; Justify those formulas by mathematical induction.