Instructor: Danny Tran   Email: trandanny@fhda.edu
Office Hours: M 1:30PM–2:20PM (E32A), WTh 1:30PM – 2:20PM (S43), Th 10:30PM – 11:20PM (Email)

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

Student Learning Outcomes: (what you should be able to demonstrate by the end of the course):
-   Analyze, investigate, & evaluate linear systems, vectors, and matrices related to two or three dimensional geometric objects.
-   Graph & analyze regions / curves represented by inequalities or trigonometric, polar, & parametric equations, including conic sections.
-   Analyze, develop, & evaluate formulas for sequences & series; Justify those formulas by math induction

Textbook: 1. PreCalculus with Limits by Larson; 3rd edition.
                        2. Student Access Code to WebAssign (Optional)

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 1111 6027**
                        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 5 problems from each HW assignment to grade.
                        I highly recommend that you complete the HW online through WebAssign, though.

Calculator: I recommend that you bring a TI graphing calculator to class each day (I recommend a
                        TI 83 Plus, 84, or 84 Plus). You will be using this calculator to assist you on your
                        homework, quizzes, & exams.

Attendance: Mathematics is a demanding subject. 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. Attendance
                        will be taken each and every day. *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)   14%
                        Homework (19 - Drop Lowest Section)   14%
                        Classwork (12)   5%
                        Exams (4)   44%
                        Final Exam   23%

Grades:

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

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 European football team). I will then invite you to the document where you can see your grade on each of the class' assessments as well as what you need to earn during the remainder of the course in order to earn an A, B, or C in the course.
Class Conduct:	Cheating is absolutely forbidden in my class. Looking at someone else's exam, helping another student during an exam, talking to anyone else except me during an exam, copying another student's work, or using an external source of information for which you were not explicitly given permission will result in disciplinary action. This disciplinary action might include anything from receiving 0 points on the exam to an F in the class. Cheating incidents will be reported to the Dean of Student Affairs. Also, I expect you to be respectful of your fellow students and of me. To that end, come to class on time, do not leave early unless you have that approved by me in advance, do not talk during class unless otherwise given permission, do not be disruptive, and pay attention during class.
Cell Phones:	If you are using your cell phone during class, you will be given a warning. If you continue, you will be asked to leave.
Group Quizzes:	There will be 5 group quizzes (14% total) throughout the quarter. They will last approximately 75 min. 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 & graphing calculator. You may not make up a quiz after it has been administered, but you may take a quiz early if allowed by Danny. You may drop your lowest quiz; however, you are not allowed to drop a quiz in which you cheat.
Classwork:	There will be 12 classwork assignments (5% 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. If you do not complete the classwork in time, you may turn it in the next day at the beginning of the period.
Exams:	There will be 4 examinations (44% total). They will last approximately 80 min each. 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, & note card. You may not make up an exam after it has been administered, but you may take an exam early if allowed by the instructor.
Final Exam Date:	Monday, June 20th 11:30AM – 1:30PM (You MUST be able to take the final on this day & at this time. NO exceptions) If your final exam score is greater than your lowest exam score, I will replace your lowest exam score with your final exam score.

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 #:

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

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.

Math 43 & 243 Course Schedule Spring 2016 (Tentative Schedule)

Apr 4 Intro, Syllabus	Apr 5 7.1, CW #1	Apr 6 7.1, 7.3	Apr 7 7.3, CW #2
Apr 11 7.5	Apr 12 7.5, 8.1, CW #3	Apr 13 8.1	Apr 14 8.2, Group Quiz #1
Apr 18 8.2	Apr 19 8.2, 8.4, CW #4	Apr 20 Exam #1 Review	Apr 21 8.4, Exam #1
Apr 25 9.1	Apr 26 9.1, 9.2, CW #5	Apr 27 9.2	Apr 28 9.3, Group Quiz #2
May 2 9.3	May 3 9.3, 9.4, CW #6	May 4 Exam #2 Review	May 5 9.4, Exam #2
May 9 9.4, 9.5	May 10 9.5, CW #7	May 11 10.6	May 12 10.6, Group Quiz #3
May 16 10.9	May 17 10.9, CW #8	May 18 Exam #3 Review	May 19 11.1, Exam #3
May 23 11.1	May 24 11.2, CW #9	May 25 11.2	May 26 11.3, Group Quiz #4
May 30 NO CLASS – Memorial Day	May 31 11.3, CW #10	Jun 1 Exam #4 Review	Jun 2 11.3, Exam #4
Jun 6 11.4	Jun 7 11.4, CW #11	Jun 8 Hyperbolic Functions	Jun 9 Group Quiz #5
Jun 13 Hyperbolics	Jun 14 Hyperbolics, CW #12	Jun 15 Final Exam Review	Jun 16 Final Exam Review
Jun 20 Final Exam(1130AM-130PM)			