COURSE SYLLABUS DE ANZA COLLEGE SEP 21–DEC 11, 2020

MATH 43 PRE-CALCULUS 5 units
Section: 26044 M,W: 6:30pm-8:45pm Room: ONLINE

Instructor: Duc Q. Nguyen, Ph.D. **Office: ONLINE**
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COURSE INFORMATION

Prerequisite: MATH 41 (or MATH 41H) and MATH 42 (or MATH 42H) (both with a grade of C or better); or a satisfactory score on Calculus Readiness Test within the last calendar year.

Required Text/Materials: Precalculus with Limits, 3rd Ed., by Larsons

Homework: You are expected to do homework on the sections that are covered during class. I have included a list of suggested homework problems from sections. Home work will NOT be collected. Quizzes and tests will be given to ensure that homework is being done on a regular and timely basic.
Quizzes: quizzes based on homework type problems are given on Canvas. Please see the schedule for the dates of the quizzes. No make-up is given.
Exams: Three Zoom proctored Midterms and a **Final**. No make-up is given.
Calculator – Graphing calculator (numerical but not symbolic).

Grades SCALE:

Mid-term Exams	120 pts (3 exams)	T>=579 (96.5%) = A+	T>=474 (79%) = B-
Homework/Quizzes	120 pts	T>=558 (93%) = A	T>=453 (75.5%) = C+
Final Exam	120 pts	T>=537 (89.5%) = A-	T>=420 (70%) = C
		T>=516 (86%) = B+	T>=360 (60%) = D
TOTAL (T)	600 pts	T>=495 (82.5%) = B	T<=360 = F

Important dates:

- Last date to drop class with no record of grade : **10/04/2020**
- Last day to drop with a "W": **11/13/2020**

Attendance: A student who discontinues participation in class and does not drop the course will get an F. It is the student's responsibility to drop the course officially.

NOTE:

This course is going to be a combination of synchronous and asynchronous learning. The students are expected to take midterms and final exam during the scheduled class time as mentioned in the syllabus. The rest of the course will be considered asynchronous so that you are not expected to be present to watch the videos of the lectures. The lecture will be pre-recorded and the link will be posted on Canvas each week.

SPECIAL INFORMATION

Disability Assistance: If you feel that you may need an accommodation based on the impact of a disability, you should contact me privately to discuss your specific needs. Also, please contact Disability Support Services (864-8753) or Educational Diagnostic Center (864-8839) for information or questions about eligibility, services and accommodations for physical (DSS), psychological (DSS) or learning (EDC) disabilities.

Academic Dishonesty : Academic dishonesty, in all of its forms, including plagiarism, is not tolerated. Students found responsible for violating this rule may be given a failing grade in the specific course and are subject to further disciplinary action. Specifically, students who are caught cheating will be given a zero score on the quiz or exam in question. A repeat incident will result in expulsion.

Disruptive Behavior: Students are required to respect classroom activities and show common courtesy to both instructor and peers. Behavior such as excessive discussion between classmates on content which is unrelated to course materials will not be tolerated. It is the instructor's discretion to determine what disruptive behavior is and request appropriate remedy which may result in student's expulsion from the class.

Please turn your cell phone ring into vibration mode.

Students' Responsibility : Students should behave as educated adults. You should try to understand your strengths and weaknesses so that you can maximize your learning potential. Since the pace of the class may be quite fast at times, you should ask for assistance as soon as you realize that you are falling behind. Instructor is always available for help or advice.
Plan early so that you have more options !

The instructor may make changes in the syllabus during the semester. It is the student's responsibility to stay informed of these changes. Students may contact the instructor during office hours and before/after class, time permitting. Students may also wish to have a study partner whom they can contact if they miss class.

HOME WORK:

Chapter 7:

7.1: 5, 7, 9,11,15,21,23,25,27,29, 31, 33, 35, 37, 41, 47, 49, 57, 59, 61, 69
7.3: 7, 11, 15, 17, 19, 25, 27, 29, 37, 41, 45, 47, 49, 51, 53, 55, 59, 61, 63, 65, 67
7.5: 5, 7, 9,11,13,15,19, 21, 29, 31, 33, 35, 47, 49, 51, 57, 61, 65, 67

Chapter 8:

8.1: Voc1-8(all);##9, 11, 17, 27, 29, 31, 33, 37, 43, 47, 59, 65, 71, 75, 83, 91, 95, 103
8.2: Voc1-4(all);##5, 9, 15, 17, 21, 27, 35, 39, 47, 51, 53, 55, 57, 63, 65, 67
8.3: Voc1-4(all);##5, 9, 13, 21, 35, 39, 41, 49, 53, 61, 63, 71
8.4: Voc1-4(all);##5, 9, 19, 31, 35, 39, 47, 51, 57, 61, 67, 73, 75, 79, 81, 87
8.5: Voc1-6(all);##7, 13, 17, 29, 31, 35, 39, 41, 43

Chapter 9:

9.1: Voc1-6(all);##7, 13, 17, 23, 33-36, 37, 41, 45, 49, 53, 59, 63, 65, 67, 71, 79, 83, 85, 87, 89, 91, 93, 95, 97
9.2: Voc1-4(all);##5, 9, 11, 13, 19, 21, 29, 31, 35, 39, 41, 43, 47, 49, 51, 53, 57, 59, 65, 67, 77, 83
9.3: Voc1-4(all);##5, 9, 13, 21, 23, 29, 35, 39, 43, 47-50, 55, 67, 69, 71, 73, 85, 93
9.4: Voc1-4(all);##5, 9, 11, 17, 23, 25, 31, 37, 41, 45, 49, 53, 59, 61, 67, 69
9.5: Voc1-4(all);##5, 11, 15, 19, 31, 39, 41, 45, 51, 53, 57, 61, 65, 73

Chapter 10:

10.6: Voc1-4(all);##5, 7, 13, 27, 47, 49, 51, 53, 57 , 59, 61, 73
10.7: Voc1-4(all);##5, 11, 15, 19, 27, 43, 51, 55, 71, 81, 85, 91, 95, 101, 109
10.8: Voc1-6(all);##7, 11, 13, 17, 19, 23, 33, 41
10.9: Voc1-4(all);##5, 9-14, 15, 21, 25, 39, 41, 45, 51

Chapter 11:

11.1: Voc1-8(all);##9, 15, 21, 27, 33, 41, 45, 49, 53, 57, 61, 65, 69, 71
11.2: Voc1-6(all);##7, 11, 15, 19, 25, 33, 37, 41, 45, 51, 53, 57
11.3: Voc1-4(all);##5, 9, 15, 21, 29, 35, 37, 43, 45, 49, 53, 57, 61
11.4: Voc1-4(all);##5, 9, 11, 17, 19, 21, 25, 27, 31, 35, 37, 41, 45, 47, 53, 59

Hyperbolic Functions (handout)

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.