MATH 43: Precalculus III - Advanced Topics · Section 61

De Anza College · Winter 2018

Room S54 · MW 6:30-8:45pm

Instructor: Charles Petersen
E-mail: petersencharles@fhda.edu
Office Hours : M 5:00-6:00pm
Office: E37

Course Description

Hyperbolic functions, parametric equations, systems of equations and inequalities, vectors, lines and planes, sequences and series, polar coordinates, mathematical induction, and the binomial theorem.

Prerequisites

MATH 41 and MATH 42 (both with a grade of "C" or better); or a satisfactory score on Calculus Readiness Test within the last calendar year. Advisory: EWRT 211 and READ 211 (or LART 211), or ESL 272 and 273.

Course Text

Precalculus with Limits by Ron Larson, 3rd edition, ISBN: 978-1133947202 .

Required Materials

The textbook, a graphing calculator (TI-83/TI-83 Plus or TI-84/TI-84 Plus calculator recommended), paper and pencil.

Evaluation Process

Your quarter grade will be determined as follows:

Quarter Grade Scale	
98-100%	A+
93-97.9%	A
90-92.9%	A-
88-89.9%	B+
83-87.9%	B
80-82.9%	B-
78-79.9%	C+
70-77.9%	C
68-69.9%	D+
63-67.9%	D
60-62.9%	D-
0-59.9%	F

Quarter Grade Breakdown	
Homework/Quizzes	25 %
Midterm Exam 1	15 %
Midterm Exam 2	15 %
Midterm Exam 3	15 %
Comprehensive Final Exam	30 %

Homework and Quizzes

In the course schedule I have provided a list of homework problems for each section we cover in the textbook. Your success in the course will depend heavily on your comfort level with the assigned homework problems. As the student you are responsible to know how to do at least *all* of the assigned problems. I will collect your homework for the sections covered in each exam on the day of the exam and grade them for completion. Your work must contain both the process and final answer for each problem. **I will not except late homework.**

There will be roughly one in-class quiz each week. The weekly quiz problems will be taken directly from the assigned homework for the sections covered during that week and or the previous week. The quizzes will be given at random. You are responsible for coming to class prepared. Your lowest quiz grade will be dropped. **There will be no make-up quizzes**.

Exams

There will be three in-class midterm exams and one in-class comprehensive final exam. Please bring a valid photo ID on exam days. If your final exam score is higher than any of your midterm exam scores, the final exam score will be used to replace the lowest midterm exam score. If the lowest midterm score is a result of cheating, it will not be considered for the replacement. **There will be no make-up exams**.

Grading Policy

Your grade on any particular piece of work will only be changed if there is a clear error on my part. (For example, totaling up scores incorrectly.) Any perceived error in grading must be brought to my attention immediately after the work is returned. Altering your work (adding to and/or erasing any of your work) after it has been returned and presenting it to me to be

re-graded is considered to be academic dishonesty. You may earn a zero on any such work and possibly be reported for further action.

You are responsible for saving all graded, returned work. An incomplete grade (”I”) is rarely given and only under extreme circumstances. (For example, an unforeseeable emergency and or a justifiable, and verifiable, reason at the end of the quarter which prevents you from completing the course). You must be in good academic standing and have an overall grade of 70% (”C”) or greater in order to request an incomplete grade.

Tutoring

Tutoring for this course is available for all students in the De Anza Math, Science and Technology Resource Center (MSTRC), S-43. Tutoring is provided at no charge to the student. MSTRC tutors are qualified, trained tutors which can provide students with feedback on their course work, help them understand assignments and suggest strategies for improving their learning skills. For more information on the MSTRC, visit: http://www.deanza.edu/studentsuccess/mstrc/ .

Withdraw Policy

The responsibility of dropping the course ultimately lies with the student. A student who discontinues attendance in the course and does not officially drop the course will receive an "F" as their quarter grade.

Winter 2018 Important Add/Drop Deadlines	
Sat. Jan. 20	Last day to add quarter-length classes
Sun. Jan. 21	Last day to drop a class with no record of grade
Fri. Feb. 2	Last day to request pass/no pass grade
Fri. Mar. 2	Last day to drop with a "W”

Classroom Conduct

The De Anza College Code of Student Conduct is found here: https://www.deanza.edu/dsps/dish/section2/codes.html. Furthermore, in this course the students are expected to abide by at least the following classroom etiquette:

- Keep your cell phones, laptops, tablets etc. on silent, and hidden.
- To promote a safe and positive learning environment, you are to be respectful to the instructor and to your classmates.
- Please do not talk during lecture. If you have a question, raise your hand.
- Your full attention and participation is expected.
- You are required to come to class prepared.

A student who is disruptive will be asked to leave the classroom. A student who refuses to leave the room will be dropped from the course and will be reported for further action.

Academic Dishonesty

Upon enrolling in this course you the student agrees to uphold the standards of academic integrity as outlined in the current De Anza College catalogue, found here: https://www.deanza.edu/studenthandbook/academic-integrity.html. Academic Dishonesty includes, but is not limited to, signing as someone other than yourself on an exam or attendance record, in-class cheating, out-of-class cheating, plagiarism, knowingly assisting another student in cheating or plagiarism, or knowingly furnishing false information to college staff, faculty, administrators or other officials. Any and all of the following may result if you are observed cheating: you may receive an "F" on the assignment/exam in question, be dismissed from the course and reported to the Dean of Student Development for review in which case a note will be made in your school records. Any form of academic dihsonesty is taken very seriously. Please do not give me any reason to suspect cheating.

Accessibility Accomodations

Students who qualify for academic accommodations must provide a notification from the Disability Support Services (DSS) and discuss specific needs with the instructor, preferably during the first two weeks of class. Disability Support Services determines accommodations based on appropriate documentation of disabilities. DSS is located in Student Community Services building, room 141. For more information see the DSS website here: https://www.deanza.edu/dss/.

Emergency Information

See the De Anza Emergency Information Website, here: https://www.deanza.edu/emergency/, for information on what to do in an emergency. (For example, an earthquake, electrical outage, fire, extreme weather, hazardous materials, active shooter, etc.) Be familiar with these procedures. Information on this page is updated as required.

Disclaimer

The information presented in this syllabus may be modified as required by the instructor. Students will be notified of any modifications during normally scheduled classes and by email. The students are responsible for the changes.

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.