MATH 141 - Pre-Calculus (5.0 Units)
San Diego Mesa College   2020 SPRING

Office Hours: will be posted on www.daabz.com

Instructor: Francisco Javier Marquez, PhD.

Telephone: use forum or e-mail instead

Office: MS215m [campus], daabz.com [online]

Room: see daabz.com for rooms

Web Page: *daabz.com* ⬈ get started

E-mail: Our class forum is much more efficient. Please use only in case of emergencies *drquijote@gmail.com.*

Course Text: optional (any text), however, a computer, Internet, & usual printing supplies are needed.

Questions & Homework

As you work on the lectures, notes, and homework, you may realize you have questions on the material. The preferred way to ask these questions is the discussion forum on daabz.com as you will benefit from many classmates willing and happy to help. Moreover, you can browse through extensive archives of questions previously discussed. For private questions, you can email me or ask during class or office hours.

Technology

We will embrace technology and all its glory. You will be required to watch video-recorded lectures at home. You must have access to suitable equipment for this including a computer, fast internet, access to firefox, google chrome, or safari web browser. You must also have time and discipline needed to watch 3-4 weekly lectures at home. During our class on campus we will sometimes go over the video lectures but more often we will collaborate to work through homework problems as well as from our weekly graded quizzes. During exams, you will not be able to use your phone, tablet, computer, or other device except and old fashion calculator such as a ti-86 or below.

Parlty Online Course Model

The model for the course is roughly as follows. Lessons will contain a combination of written materials, video lectures, homework problems, take-home quizzes, and daabz stax [flashcard-like assignments]. For best results, you should participate in all aspects of instruction. First, watch provided lectures [online]. Second do the written homework. Next practice fluency of basic ideas using the daabz stax. Finally, take the weekly quiz. At any point if you have questions, post them on the the daabz forum. Moreover, we will encourage group work and collaboration, thus some basic social skills will be helpful. For onlne hybrid courses, nearly all work is done at home, except for exams. You must come to campus to take the exams.

Required

Notes, homework, lectures [online classes], quizzes, pre-tests, discussions, and grades will be delivered via internet. So you must have reliable and adequate access to a computer/internet on campus or elsewhere where you can print the materials. A scientific calculator may be useful as well.

Grades:

Students will take approximately 4-6 exams on campus, including a comprehensive final. The grade will be based 45% on quizzes and 45% on exams and 10% daabz stax. Towards the end of the semester, at the discretion of the instructor, depending on overall class performance, the instructor may drop the lowest quiz score for each students, or lowest test score, or both. Your grade will be defined by the following:

$$\begin{bmatrix} \text{Homework} & \text{weekly} & 10\% \text{ of your grade} \\ \text{Quizzes} & \approx 15 \text{ per semester} & 45\% \text{ of your grade} \\ \text{In Class Exams} & \approx 5 \text{ including a final} & 45\% \text{ of your grade} \end{bmatrix}$$

For an A you need over 90%, for a B you need over 80%, for a C over 68%, and for a D over 58% Please note that the proposed dates for exams are only tentative and subject to change as needed. Any changes to the tentative schedule will be announced in class. For ONLINE students, tests will be in the evenings at San Diego Mesa College campus. Once rooms are reserved times and room number will be posted on daabz.com, usually a few weeks prior to first exam.

LOWEST SCORE DROPPED AUTOMATICALLY

Life often presents us with emergencies, such as a pregnant spouse about to deliver, a car accident, a health issue, a relative who passes away in a foreign country to which you must travel, etc.. etc. there are many, many, understandable reasons why you may have to miss an exam. If you miss an exam or do bad on an exam FOR WHATEVER REASON you may find confort in knowing such score will be dropped. YOUR LOWEST SCORE WILL BE DROPPED for any exam including the final, IF IT IS THE LOWEST EXAM SCORE FOR WHAEVER REASON IT WILL BE DROPPED. Similarly for quizzes. Do not ask for more than one score to be dropped. Do not ask for make-up exams, there will be none. Do not ask for make-up quizzes. HOWEVER, your lowest quiz sfore will be dropped AND your lowest exam score will be dropped. The course is not designed to accomodate more serious issues. If you miss more than one exam or more than one quiz you are encouraged to drop the class immediately or talk to a councelor. THIS CLASS IS NOT DESIGNED TO ACCOMODATE ALL CIRCUMSTSANCES.

Late Work

Exams may NOT be turned in late. Quizzes CAN be turned in late for a maximum credit of approximately 70% of the points, similarly for daabz (daabz are flashcard-like assigments) homework.

CATALOG COURSE DESCRIPTION

Perrequisite: MATH 104 (Trigonometry) with a grade of "C" or better, or equivalent.

This course is a study of numerical, analytical, and graphical properties of functions. The course content includes polynomial, rational, irrational, exponential, logarithmic, and trigonometric functions. Additional topics include: inverse functions, complex numbers, polar coordinates, matrices, conic sections, sequences, series and the binomial theorem. This course is designed as a preparation for calculus and is intended for the transfer student planning to major in mathematics, engineering, economics, or disciplines included in the physical or life sciences. (FT). Associate Degree Credit & transfer to CSU. UC Transfer Course List. MATH 116 and 141 combined: maximum credit, one course.

Attendance

You are expected to be on time and miss no more than 10% of scheduled meeting times. You may be dropped at the discretion of the instructor if your absences exceed 10%. If you must miss a day, check online schedule for due assignments. There is need to contact the instructor for such occasions. See grading policy for more on attendance and how it can help your grade.

Student Learning Outcome

- By representing a transformation of a given graph (f(x)), a student identifies the a, h and k variables in the expression af(x-h)+k.
- Students will prove a variety of trigonometric identities using basic trigonometric relationships with clarity and detail.
- The student will calculate the difference quotient of a quadratic function and simplify.

Behavior& Cheating

You may be dropped from the class or receive an F for the course if you cheat. Plus, you do not learn much. Instead, learn about the Free Tutoring Center on Campus, Star Program, Bridge Program, My Office Hours, and the million other legitimate, respectful, honorable sources made available to you, so that you may get an excellent grade in the course and be proud of it. For complete list of disruptive behavior see Policy 3100. If you are caught cheating, the assignment in question will be graded as a 0, as well as the previous such assignment, and you will automatically receive lower than and A in the class, regardless of the percentages accumulated.

Holidays

Quizzes are usually due on Sundays. However, on holiday weekends, you may turn them in by Monday night.

DSPS

Students who need special arrangements should feel free to provide details during my office hours.

Tentative Schedule (see daabz.com for updates)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Feb 2nd	3rd First Day ⬈ DAABZ INTRO (CLICK HERE!)	4th	5th	6th	7th	8th
9th **1** QUIZ DUE	10th	11th	12th	13th	14th Lincoln Day	15th
16th **2** QUIZ DUE	17th Washington Day	18th	19th	20th	21st	22nd
23rd **3** QUIZ DUE	24th	25th	26th	27th	28th	29th
Mar 1st **4** QUIZ DUE	2nd	3rd	4th	5th	6th	7th
8th **5** QUIZ DUE	9th	10th	11th	12th on Campus Exam1 4-6pm MS215m	13th	14th
15th **6** QUIZ DUE	16th	17th	18th	19th	20th	21st
22nd **7** QUIZ DUE	23rd	24th	25th	26th	27th	28th
29th Spring Break	30th Spring Break	31st Spring Break	Apr 1st Spring Break	2nd Spring Break	3rd Spring Break	4th Spring Break
5th **8** QUIZ DUE	6th	7th	8th	9th	10th	11th
12th **9** QUIZ DUE	13th	14th	15th	16th on Campus Exam2 4-6pm MS215m	17th	18th
19th **10** QUIZ DUE	20th	21st	22nd	23rd	24th	25th
26th **11** QUIZ DUE	27th	28th	29th	30th	May 1st	2nd
3rd **12** QUIZ DUE	4th	5th	6th	7th on Campus Exam3 4-6pm MS215m	8th	9th
10th **13** QUIZ DUE	11th	12th	13th	14th	15th	16th
17th **14** QUIZ DUE	18th	19th	20th	21st	22nd	23rd
24th **15** QUIZ DUE	25th Memorial Day	26th	27th on Campus Exam4 4-6pm MS215m	28th on Campus Exam5 (make up exam) 4pm-6pm MS215m	29th	30th
31st **16**	June 1st semester ends	2nd	3rd	4th	5th	6th

Javier's on-Campus Schedule, Spring 2019

	Monday	Tuesday	Wednesday	Thursday	Friday
12:00 am					
12:30 am					
1:00 pm	Math 141 . CRN # 21577 ONLINE (mostly))		Math 141 . CRN # 21577 ONLINE (mostly))		
1:30 pm					
2:00 pm	Math 141 CRN # 21576 ONLINE (mostly))		Math 141 CRN # 21576 ONLINE (mostly))		
2:30 pm					
3:00 pm					
3:30 pm					
4:00 pm					
4:30 pm					
5:00 pm					
5:30 pm					
6:00 pm					
6:30 pm					
7:00 pm		Office Hours 7:00-8:30pm online		Office Hours 7:00-8:30pm online	
7:30 pm					
8:00 pm					