

# SYLLABUS FOR MATH 43-- Precalculus III

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|                                |  |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
|--------------------------------|--|---------------------|----|-----------------------|-----|-----------|-----|------------|-----|------------|-----|-----------|------|-----------|------|-----------|-----|-----------|------|
| <b>Instructor</b>              | Mehrdad Khosravi   |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| <b>Office</b>                  | S-42a, TR 1:30-3:10  |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| <b>Phone</b>                   | (408)864-5384  |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| <b>E-mail</b>                  | <a href="mailto:khosravimehrdad@deanza.edu">khosravimehrdad@deanza.edu</a>   |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| <b>Web Page</b>                | <a href="http://nebula2.deanza.edu/~mkhosravi/Sites/index.html">nebula2.deanza.edu/~mkhosravi/Sites/index.html</a>   |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| <b>Class Time and Location</b> | MTWRF 12:30-1:20 E34   |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| <b>Course Description</b>      | Conic sections, parametric equations, systems of equations and inequalities, vectors, lines and planes, sequences and series, polar coordinates, mathematical induction, and the binomial theorem.   |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| <b>Course Text</b>             | Precalculus with Limits, 3 <sup>rd</sup> edition, by Larson, published by Brooks/Cole, Cengage Learning, 2014.   |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| <b>Required Materials</b>      | The textbook, a graphing calculator (TI-83 or 84 is preferred if you are buying a new calculator. If you already have a TI-82, 85, or 86, you can use that.)   |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| <b>Course Prerequisites</b>    | Mathematics 41 and 52 (both with a grade of C or better); or a satisfactory score on Calculus Readiness test within the last calendar year.<br>Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.  |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| <b>Method of Instruction</b>   | This class will consist of lectures and in-class discussion. There will also be boardwork and in-class group assignments which you are expected to participate in.   |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| <b>Evaluation Process</b>      | Final grade in this course will be determined as follows: <table><tr><td>Class participation</td><td>5%</td></tr><tr><td>Homework, and Quizzes</td><td>20%</td></tr><tr><td>Tests (3)</td><td>45%</td></tr><tr><td>Final Exam</td><td>30%</td></tr></table><br>Grading scale: <table><tr><td>[92,100] :</td><td>"A"</td></tr><tr><td>[90,92) :</td><td>"A-"</td></tr><tr><td>[88,90) :</td><td>"B+"</td></tr><tr><td>[82,88) :</td><td>"B"</td></tr><tr><td>[80,82) :</td><td>"B-"</td></tr></table> | Class participation | 5% | Homework, and Quizzes | 20% | Tests (3) | 45% | Final Exam | 30% | [92,100] : | "A" | [90,92) : | "A-" | [88,90) : | "B+" | [82,88) : | "B" | [80,82) : | "B-" |
| Class participation            | 5%   |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| Homework, and Quizzes          | 20%  |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| Tests (3)                      | 45%  |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| Final Exam                     | 30%  |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| [92,100] :                     | "A"  |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| [90,92) :                      | "A-"   |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| [88,90) :                      | "B+"   |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| [82,88) :                      | "B"  |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |
| [80,82) :                      | "B-"   |                     |    |                       |     |           |     |            |     |            |     |           |      |           |      |           |     |           |      |

|            |      |
|------------|------|
| [78,80) :  | "C+" |
| [70,78) :  | "C"  |
| [60,70) :  | "D"  |
| Below 60 : | "F"  |

The top two scores in class that are above 98% will receive A+. The student is responsible for saving all graded, returned work. There will be no discussion of grade discrepancies unless the student has a graded copy of the work in question. Please also keep a copy of all the work you turn in for your own records.

**Tests and Quizzes**

There will be three in-class tests, each counting as 15%. **absolutely no makeup tests.** If you miss a test due to what I consider an emergency and you provide appropriate documentations, I will replace that one grade with your final. If I don't consider your reasoning as an emergency, you will receive a zero for that test. Regardless, you will get zero for any other missed tests, emergency or not. No makeups for the final can be provided. The final grade cannot be dropped.

Quizzes will be given randomly at any part of the class period. There are **absolutely no makeup quizzes.** A missed quiz for any reason (including coming late or leaving early) will count as a zero.

**Homework**

In the course schedule I have included a list of suggested homework problems from each sections. You are responsible to do at least all of the suggested problems. You are responsible to know how to do ALL of the problems. There is a direct correlation between your level of comfort with the homework problems and your success in this class.

Grading: I will collect your homework for the sections covered in each test on the day of the test and grade them for completion during the test. Your work must contain the process and final answer for each problem. Also, No late work will be accepted.

**Class Attendance and Faculty Initiated Withdrawal Policy**

**A student who discontinues coming to class and does not drop the course will get an F. It is the student's responsibility to drop the course.**

Class participation is mandatory, and counts as 5% of your total grade.

Every absence, tardiness, or early departure for any reason results in a loss of 1%. If a student misses three classes, he or she may be dropped.

However the the ultimate responsibility of dropping the course lies with the student. **I reserve the right to lock the door at the beginning of each class or after a possible break to discourage tardiness.** You are responsible to come to class **on time** every day.

**Withdrawal Policy**

The withdrawal deadline for the quarter is **March 2<sup>nd</sup>, 2018.** If students withdraw before this date, they will receive a "W". After this date, an "F".

**Academic  
Honesty and  
Discipline Policy**

Students are expected to abide by the college code of conduct. All work turned in is to be the student's own. Students giving or receiving help on a test or quiz will forfeit all points for that assignment and may be withdrawn from the course with a grade of "F". For take home assignments, any student turning in a work, which is strikingly similar to that of another student, will be required to schedule a conference to discuss the matter with the instructor, and any evidence of cheating will result in no points for that assignment and will be reported for further action. I take cheating very seriously and reserve the right to put the incident in your permanent record.

**Important Dates**

Please check the [important dates](#) for this quarter. The scheduled final is on the [course schedule](#).

**Expected  
Student Conduct**

A student who is disruptive will be asked to leave the class. A student who refuses to leave the room will be dropped from the class and will be reported for further action. During the quarter, if you have any questions about the course policies, you will be first referred to this syllabus. Please make sure you keep a copy. You can find Foothill-De Anza College Code of Conduct at [www.deanza.edu/dsps/dish/section2/codes.html](http://www.deanza.edu/dsps/dish/section2/codes.html)

**Students with  
Disabilities**

Students with disabilities 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 and their phone number is (408) 864-8753

**Disclaimer  
Statement**

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 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.