Instructor: Misako van der Poel
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Math 43 Precalculus III– Advanced Topics
Summer 2019

COURSE
Section: 01   Course Number: 10884   Time: 7:30am – 9:45am   MTWTh   Classroom: E34

MATERIALS
Precalculus with Limits, by Ron Larson, 3rd edition. **(Optional)**
Use of **WebAssign is required** to complete homework assignments. You must self enroll.
Got to http://www.webassign.net, click on "I Have a Class Key," enter the class key:

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and follow instructions on the screen.
If you purchase the textbook in new condition through the DeAnza book store, you will get an access code bundled with the book. Otherwise, you will need to purchase online access to use WebAssign.

OTHER REQUIRED MATERIAL
- **PENCILS ONLY** must be used for all work in this class. (worksheets, quizzes, and exams).
  Student work written with pen will not be graded and will receive "0" points.
- **All handouts** are posted on **Canvas.**

COURSE DESCRIPTION
Topics include plane and solid analytic geometry; polar coordinates & parametric equations; solving systems of linear and non–linear equations; and sequences and series.

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

PHONES AND ELECTRONICS DEVICES
Cell phones must be turned off and must not remain on a student's desk during class.
Phones cannot be used as calculators during the class. In any case, please set all phones, etc., to silent or vibrate during class. No electronics devices (except laptops or tablets) are allowed to use during class.

CALCULATORS (required)
Graphing calculator: You may use any graphing calculators in class. The TI-83, TI-83 plus, TI-84, or TI-84 plus are recommended for the students. Calculators that does symbolic logic, such as TI 89 , 92, or HP-49 are not recommended. Useful links: <u>Online user's manual for all TI calculators</u>
You are NOT allowed to use any calculator on exams and quizzes.

HOMEWORK

Homework will be assigned weekly and late work will not be accepted. **You will turn in your homework assignments on WebAssign, www.webassign.net.**
Each homework assignment is worth **5 points** and **one lowest score will be dropped**.
Please read "Student Quick Start Guide."

EXAMS

There will be **two** exams. Each exam is worth **150 points**. The exams are closed book. You may use **one 3" by 5" index card (both sides)** for notes. There are **no dropped exams.** If you take an exam and don't do well on it, you cannot drop that score. If you take an exam, the score for it will count towards your grade. **You are NOT allowed to use any calculator on exams.**

Missed Exam: There are **no make-up exams**, regardless of why you missed it**.** If you are unable to take the exam at the scheduled time due to illness or an emergency, I will then use your percentage from the final exam minus 20% to compute your score for the missed exam. (Example: Your score on the final exam is 80%. I will take 60% of 150 to compute your exam score.) If a second exam is missed, you will get a zero.

FINAL EXAMS

There will be a mandatory comprehensive final exam worth **200 points**, and this exam must be taken during the scheduled exam time on **August 8 at 7:30am-9:30am**.The final will cover all the material discussed during the semester. Missing the final will result in a grade of "F" for the course.
You may use three 3" by 5" note cards (both sides) for notes.

ONLINE-QUIZZES

Online-quiz will be assigned daily **on WebAssign, www.webassign.net.** You should see the correct answers once you have submitted. Each quiz is worth **2 points** and **one score will be dropped**.

QUIZZES

We will have in-class or take-home quizzes. There are **no make-up quizzes**, regardless of why you missed it**.** Each quiz is worth **10 points.**

READINGS

Read the textbook every day before the topics come up in class or in the homework.

GRADES

Your grade will be based upon the total points earned, according to the following:

Homework	100 points
Online-Quizzes	40 points
Quizzes	60 points
Midterms	300 points
Final Exam	200 points
Total	700 points

640 – 700 points		**A**
620 – 639 points		**A-**
600 – 619 points		**B+**
580 – 599 points		**B**
560 – 579 points		**B-**
540 – 559 points		**C+**
480 – 539 points		**C**
400 – 479 points		**D**
Below 400 points		**F**

The De Anza College catalog advises students to do at least 2 hours of work outside the classroom for each hour spent in class.

TUTORIAL HELP

Math Tutorial Center in S43

If you need help in the course, check Math Tutorial Center in S43 for FREE INDIVIDUAL, DROP-IN or GROUP TUTORING. Free tutoring usually available and depends on availability of tutors & funding.

Student Success Center

Meet with tutors and attend workshops in the Student Success Center: www.deanza.edu/studentsuccess.

Can't make it to campus?

Use the free online tutoring available to all De Anza students. Just login to MyPortal, go to the Students tab, and find the Smarthinking link. For more information, go to deanza.edu/studentsuccess/onlinetutoring/

STUDENT RESPONSIBILITIES

1. It is your responsibility to keep up with the material even if you miss class. If you miss a class, it is your responsibility to get the notes from someone else in this class. Also, discuss the notes with others then come ask me questions about the material.
   Note: I will not answer any Math questions over email.
2. Students are responsible for any material covered and any announcements made in their absence.
3. It is the students' responsibility to inform the instructor if she/he is absent.
   Note: Any student email correspondence with the instructor should include **the course number (Math 43) in the subject line**.
4. Dropping or withdrawal from the class is the students' responsibility**.** A student who stops coming to class and does not drop will get an **F** grade. If you plan on dropping the class, it is your responsibility to use "MyPortal" online, or go to the Admissions and Records office.
5. It is your responsibility to record all the scores you have earned, using "Score Sheet."
   Note: I will NOT let you know your scores of quizzes and exams again.

ACADEMIC MISCONDUCT

Academic dishonesty will not be tolerated. If a student is found cheating on an exam, plagiarizing on writing assignments, or violating other codes of academic integrity, he or she will receive a failing grade for the course and may be reported to the college for an appropriate action. See section on Academic integrity in your current schedule of classes catalog.

DISABILITY SUPPORT SERVICES

For information or questions about eligibility, support services or accommodations to disability (physical or learning disability) see contacts below:
Disability Support Service (DSS): Student Services Building (408) 864-8753;TTY (408) 864-8748
Educational Diagnostic Center (EDC): Learning Center West 110; (408) 864-8839
Special Education Division: 864-8407; www.deanza.edu/specialed

CLASSROOM CONDUCT

1. No eating or chewing in class.
2. Students who are disruptive will be removed from the course.

Consequences for Disruptive Behavior:

First incident (not severe) – discussion and verbal warning

Second incident –

1. Dismissed for the remainder of the class and possibly the next class period.
2. A disruptive behavior report will be written and sent to the Dean of Student Services
3. Division Dean will be informed
4. A meeting during office hours will be required to write up an agreement on future behavior in class.

Third incident –

1. Dropped from the class.
2. Disruptive Behavior Report will be written and sent to the Dean of Student Services.
3**.** Division Dean will also be informed.

Summer 2019   Tentative   Course Schedule

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
July	1 **7.1 & 7.3** Linear/nonlinear Systems Multivariable linear Systems	2 **7.3 & 7.5** System of Inequalities	3 **8.1 – 8.2** Matrices + Systems Matrix Operations	4 **No Class**
July	8 **8.2 – 8.3** Inverse of a square Matrix	9 **8.4 – 8.5** Determinant of a sq. Matrix	10 **8.5 & Review**	11 **Exam 1** **(Ch 7 & 8)**
July	15 **9.1 – 9.2** Sequences & Series Arithmetic Sequences-Series	16 **9.2 – 9.3** Geometric Sequences-Series	17 **9.4** Induction	18 **9.4 – 9.5** The Binomial Theorem
July	22 **10.6 – 10.7** Parametric Equations Polar Coordinates	23 **10.8 – 10.9** Graph of Polar Eqs Polar Eqs. Of Conics	24 **10.9 & Review**	25 **Exam 2** **(Ch 9 &10)**
Aug	29 **6.3 – 6.4** Vectors	30 **11.1 – 11.2** 3-D Coordinate system 3-D Vectors	31 **11.2 – 11.3** Cross Product	1 **11.3 – 11.4** Lines-planes in space
Aug	5 **11.4**	6 Hyperbolic Functions	7 Review for Final	8 **Final Exam** **7:30am-9:30am**

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.