

Instructor: Amanda Lien
Office: S-43 (Tutorial Center)
Office Hours: MW 3:15-3:45PM
Contact: lienamanda@fhda.edu

MATH 43: Precalculus III – Advanced Topics • Sec 61 • Winter 2015

MLC 270 • MW 6:30-8:45PM

COURSE DESCRIPTION

Conic sections, parametric equations, systems of equations and inequalities, vectors, lines and planes, sequences and series, polar coordinates, mathematical induction, and the binomial theorem. (5 units)

PREREQUISITE

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.

REQUIRED MATERIALS

- WebAssign access code (see HOMEWORK for more information)
- One three-ring binder for notes, exams, homework, and other handouts
- Graping calculator (TI-83/TI-83 Plus/TI-84/TI-84 Plus), graph and lined paper, ruler or straight-edge
- Lecture notes printed for each class meeting

SUGGESTED MATERIAL

- *Precalculus with Limits* by Ron Larson, 2nd edition ISBN: 978-0538736596

NOTE: The WebAssign access code can be purchased with the eBook, but the eBook is not required.

IMPORTANT DATES*

Saturday, January 17	Last day to add quarter-length classes
Monday, January 19	HOLIDAY MLK Birthday Last day to drop with no record of grade
Monday, January 26	Midterm #1
Friday, January 30	Last day to request pass/no pass grade
Monday, February 16	HOLIDAY Presidents' Day
Wednesday, February 18	Midterm #2
Friday, February 27	Last day to drop with a "W"
Wednesday, March 11	Midterm #3
Wednesday, March 25	Final Exam 6:15-8:15PM

**Please note that midterm dates are subject to change. Final exam date/time is fixed.*

COMMUNICATION

I will be using My Courses / Course Studio to communicate with you outside of classroom time. It is accessible to all students enrolled in the course via MyPortal. You need check your email on a regular basis as I will send out homework, exam dates, and study reminders. All class handouts, skeleton lecture notes, written homework, etc. will be uploaded onto My Courses. If you miss class, you will need to print out the lecture notes and ask a classmate to share his/her completed lecture notes with you.

If you need to contact me, please email me directly.

MAKE-UPS

You **MUST** take the exams on the dates listed. There are no make-up quizzes, homework, or exams.

HOMEWORK

- WebAssign: <https://webassign.com/> (assigned after every lecture)
 - o You must have an access code and do the assignments on WebAssign to be successful in this course. Therefore it is mandatory that you be an active user of WebAssign. **Students who are registered in Math 43 but do not activate a license will be dropped.** If you need some time to get financial aid or save up money, you can use the trial period for the first week.
 - o Enter in our class key: **deanza 5913 2164**
 - o You will be able to access the assignments after each lecture. They are due 5 days after the assigned date at 11PM. For example, if I assign some sections on a Monday 9PM, you are expected to have it completed by that Saturday 11PM. Likewise, if I assign some sections on a Wednesday 9PM, you must complete them by the following Monday 11PM. Please do not procrastinate!
- Written Homework (WHW, due once per week)
 - o In addition to WebAssign, I will assign problems each week that must be handwritten and turned in on the following week.
 - o Write out all of your work so I can see your thought process as to how you arrived to the solution.
 - o This is a way for me to give you feedback and for you to see my level of expectation when I grade your exams.
 - o The WHW will be posted on My Portal in My Courses. It is suggested that you print out the worksheet and do the homework directly on it, but if you choose to write it out on your own paper, you must keep the problems in order. If there are graphing problems, they must be on graph paper. If you use more than one sheet of paper, be sure to write your name on each sheet and staple the assignment.
 - o If you know that you are unable to turn in a WHW because you cannot attend class on the day the assignment is due, ask a classmate to turn it in for you **OR** you have the option of scanning it and emailing it to me. If you choose to scan and email it, it must be in a single PDF (no phone pictures) and it must be sent before class begins that day. Otherwise, I may not grade your homework. **Each student may do this only once per quarter.**

Collaboration on the homework is encouraged, but each student must write his/her own solutions and not copy them from anyone else. If you have questions about problems from WebAssign or WHW, you may email me or see me in office hours. **No late assignments accepted!**

ATTENDANCE

It is essential that you participate and regularly ask questions in order to succeed in this course and your future math courses. Therefore, attendance is required and students are expected to attend all sessions of each class. Attendance may be taken at any point during the class (beginning, middle, or end). If you use your phone/tablet/laptop or any unrelated material, I will ask you to leave and that day will count as an absence.

Instructors may drop students from class if they fail to attend the first class meeting, or when accumulated unexcused hours of absence exceed ten percent of the total number of hours the class meets during the quarter. Moreover, an instructor may drop from the class any student who fails to attend at least one class session during the first two weeks of instruction. **I will drop students who do not attend the first class meeting.**

You should **NOT** rely on your instructor to drop you from your course. If you decide to stop attending class, it is your responsibility to drop. Failure to do so will result in a grade of F.

CLASSROOM ETTIQUETTE

- Keep your cell phones on silent and hidden.
- To promote a safe and positive learning environment, you are to be respectful to me 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 WITH lecture notes printed out.

GRADING

- Attendance is mandatory as part of your participation grade. You must also be present to completely fill in your binder for the binder check at the end of the quarter.
- There will be three in-class midterms and a final. Please bring in a valid photo ID on exam days.
- 10% of the total WebAssign points will be dropped. However, I still encourage you to do all assignments in order to get the most out of this course. Remember that practice is key!
- The grades for the exams will be changed only if there is a clear error on my part, such as adding up marks incorrectly. Problems must be brought to my attention immediately after exams are returned.

Breakdown of grades:	
Homework	20%
Binder Check/Participation	10%
Midterm #1	15%
Midterm #2	15%
Midterm #3	15%
Final Exam	25%

Quarter grade:	
90-100%	A
80-89.9%	B
70-79.9%	C
60-69.9%	D
0-59.9%	F

STUDENT LEARNING OUTCOMES

Students successfully completing this course will be able to:

- 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.

TUTORING

Math tutoring is available for all students in the Tutorial Center, S-43. Tutoring is provided at no charge by qualified, trained tutors. Tutors can give students feedback on their course work, help them understand assignments and provide students strategies for improving their learning skills.

For more information, visit <http://www.deanza.edu/studentssuccess/mstrc/>

ACADEMIC DISHONESTY

By enrolling in this class you agree to uphold the standards of academic integrity as outlined in the current De Anza college catalogue. Dishonesty includes but is not limited to signing in someone other than yourself on the attendance sheet, 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. If you are observed cheating, you may receive an F and be dismissed from the course.

CODE OF STUDENT CONDUCT

The college has an obligation to specify those standards of behavior essential to its educational mission and campus life. The students who are in violation of the Code of Student Conduct are subject to disciplinary sanctions which apply at all times on campus as well as to any off-campus functions sponsored or supervised by the college.

ACCESSIBILITY ACCOMODATIONS

If you have a documented disability and wish to discuss academic accommodations, or if you would need assistance in the event of an emergency evacuation, please inform me as soon as possible.

EMERGENCY INFORMATION

Check out the Emergency website for information on what to do in an emergency (earthquake, electrical outage, fire, extreme heat, severe storm, hazardous materials, terrorist attack) here:

<https://www.deanza.edu/emergency/>. Be familiar with these procedures. Information on this page is updated as required.

LAST NOTE

Please remember that you are responsible for your education. This means that if you are having trouble understanding a concept presented in class, I encourage you to ask questions. Do not wait until the end of the quarter to realize that you need help. Math is a hierarchical subject – it continues to build on itself with knowledge from previous material. If you miss a lecture, ask a friend to share his/her lecture notes with you.

Frequently Asked Questions

Before emailing me, please refer to this sheet.

QUESTION: What is expected of me in each lecture?

ANSWER: You are expected to come prepared with pencils/pens to take notes along with your 3-ring binder for this class. You **MUST** print out and bring “skeleton” lecture notes in which you will fill in. If there are problems for you to try on your own, you are expected to do the work.

At the beginning of lecture, if you have questions about the homework from the night before, you may ask those question. Doing so will not only help you, but other people in class.

Make sure to sign in on the attendance sheet for each lecture. Do **NOT** sign in for anyone else.

QUESTION: I am sick and cannot make it to lecture today. What should I do?

ANSWER: You need to email me with your situation so that you are excused. Lecture notes are posted on My Courses. You will need to download the notes, print them out, and ask a fellow classmate to share their filled-in notes with you. I will not scan my written notes onto My Courses. If written homework is due, ask a friend to turn it in for you.

QUESTION: I am having trouble with a homework problem. How should I ask you for help?

ANSWER: You can come into my office hours to ask for help. If you are unable to visit me at that time, then you can send me a *specific* email about the question. Your email asking me for help must have the three main parts:

1. Tell me the exact question number and what section it is from.
2. Copy and paste the problem into the email.
3. Show me your attempt at the problem. In other words, do not simply email me the phrase, “I don’t get it.”

Example:

Subject: Math 43 Homework help

Hi Ms. Lien:

I am stuck on problem ___ on WebAssign section ___. The problem is... (copy and paste the homework question here). This is what I tried to do... (show me your attempt - you can type out what you tried or you can take a picture of your work and attach it in the email).

Thanks,
(your first AND last name)

QUESTION: I was not able to do the WebAssign homework/written homework because _____. Will you grant me an extension?

ANSWER: No. In this course, there are no make-up assignments. However, I understand that unforeseen events may come up during the quarter that may prevent you from completing an assignment on time. This is why I will drop 10% of the homework points at the end of the quarter. So, if there is a total of 600 homework points, you will be graded out of 540, which means that you can miss up to 60 points and still earn a perfect score on homework. If you earn over 600 points, those extra points will be extra credit, thus you should try to

do all assignments.

QUESTION: I missed a midterm. Can I make it up?

ANSWER: Unless you had a prior arrangement with me, you may not make up a midterm. If you know that you cannot take a midterm on the assigned date, you must bring this to my attention at the beginning of the quarter for an alternative.

QUESTION: Is there extra credit?

ANSWER: An extra credit assignment or project will be assigned towards the end of the quarter. You will receive more information when we get closer to the final exam.

QUESTION: What is the binder check?

ANSWER: On the last lecture of the quarter (Monday, March 23), I will check your binder for lecture notes, written homework, midterms, and any other handouts given in class. All lecture notes must be filled in, which is why it is important that you attend all lecture meetings. However, if you must miss class, you can always print out the notes (from My Courses) and ask a classmate to share their completed notes with you. All pages **MUST** be hole-punched and properly placed *in order* in a 3-ring binder.

What should be in your binder by the last lecture:

1. All lecture notes, completed and filled in with **YOUR** handwriting
 2. All written homework assignments with the cover sheets and your work
 3. Midterm #1
 4. Midterm #2
 5. Midterm #3
 6. Any other handouts provided
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QUESTION: I am not in high school anymore. Why are you making us do a binder check? ☹

ANSWER: Aside from mathematics, I hope to help you with your organizational skills for college. You should be maintaining all of your work as if they were valuable documents. That way, if there is a mistake on my part in inputting grade points, you can easily find and show me the error. Also, being organized with your notes will make studying for the exams an easier process.

QUESTION: How do I earn credit for participation?

ANSWER: To earn the full 10% for participation, you must be present in class and provide me with your full attention. This means you are following along with the lecture and filling in your notes, asking me any questions if something is unclear, and also volunteering to show your work on the board when asked.

QUESTION: What is my current grade in the class?

ANSWER: I use <https://engrade.com> to keep track of the scores you earn in each assignment or exam. Sometime during the beginning of the quarter, I will provide you with a code for your individual gradebook. You should monitor it regularly to see your current standing in the course.

Got a question that isn't listed? Please email me at lienamanda@fhda.edu.