

Math 43**De Anza College, Cupertino.****Quarter- Summer 2015**

Course: MATHD 043.07, Pre-calculus 3. CRN # 11392 Units – 5.
Meetings: MTWTh, Time – 3:00 to 5:15 pm. Room – E 33
Prerequisite: Math 41 and Math 42 with C or better grade.
Textbook: Pre-Calculus with limits, 2nd Edition by Larson.
Equipment: TI-83 plus/ TI 84 plus, graphing calculator is required.
Instructor: H. K. SHAH. **Email:** shahhemendra@deanza.edu
WebAssign course name: Precalculus 3, Math 43, Summer 2015, De Anza College. Class Key: deanza 7337 5030
Office hours: Mondays through Thursdays, 2:15 to 2:45 p.m., Room E 37.

Attendance: Students are expected to attend all class meetings without tardy. Student with three recorded absences will be dropped from the course. If student decides to drop the course, it is his/her responsibility to drop the course. There are 10 points for full attendance, 5 points will be deducted for each absence. ***Disappearing from the class doesn't qualify for getting 'W' for the course, but will get "F" grade.***

Course Objectives:

Students' learning outcomes (SLOs): Outcome 1: Analyze, investigate, and evaluate linear systems, vectors, and matrices related to two or three dimensional geometric objects.

Outcome 2: Graph and analyze regions/curves represented by inequalities or trigonometric, polar, and parametric equations, including conic sections. **Outcome 3:** Analyze, develop, and evaluate formulas for sequence and series; justify those formulas by mathematical induction.

I shall cover chapters 7 to 11 of the book. It covers (1) Matrices and determinants (2) Graph and analyze curves in polar coordinates and in parametric equations (3) Solve systems of inequalities and systems of non-linear equations (4) Perform operations with vectors in 2 and 3 dimensional space (5) Explore equations of lines and planes in 3-space, as well as the graphs of surfaces (6) Develop and use the formulas for arithmetic and geometric sequences and series (7) Write proofs using mathematical induction and develop the binomial theorem. It is a very intensive course, requiring ten to fifteen hours of study time outside the class.

We are going to use TI-83 plus/TI 84 plus, graphing calculator intensively.

Homework: Students will do homework on internet using **Enhanced WebAssign program** at web address www.webassign.net/cengage. You need to get the access code when you purchase the book. **WebAssign course name and class key information are written above. Late homework will not be accepted for grading purpose.**

Examinations: There will be three midterm tests each of one hour, and four quizzes each of 20 minutes. **There will be no make-ups for missed tests/final or quizzes.** If only one test is missed due to unavoidable circumstance, and the instructor is notified in advance or quickly; the final exam score % will be used to replace missed test score. A comprehensive final examination of **two hours** will be given from **3:00 to 5:00 p.m. on Thursday, August 6, 2015** in our classroom. **Students absent in the final exam will get F grade.** *All students need to save corrected returned papers of quizzes and midterm tests. I may need it in unusual situation.*

Disruptive behavior: De Anza College will enforce all policies and procedures set forth in the *Standards of Students Conduct* (refer catalogue). Any student disrupting a class may be asked to leave that class. Administrative follow-up may result.

Academic Integrity: It is assumed that all students will pursue their studies with integrity and honesty; however all students should know that incidents of academic dishonesty like cheating and plagiarism are taken very seriously. Students involved in cheating will be dropped and get F for the course. Further disciplinary action by administration will follow.

Grades:

<u>Grade</u>	<u>Scale</u>	<u>Points range</u>	<u>Percentage range</u>	<u>Examinations</u>	<u>Points</u>
A+	4.0	476 to 500	95+ to 100 %	Three Tests	3x70 = 210
A	4.0	456 to 475	91+ to 95 %	Four Quizzes	4x20 = 80
A-	3.7	436 to 455	87+ to 91 %	Attendance	10
B+	3.3	416 to 435	83+ to 87 %	Homework	60
B	3.0	396 to 415	79+ to 83 %	Final Exam	<u>140</u>
B-	2.7	376 to 395	75+ to 79 %	Total points	500
C+	2.3	351 to 375	70+ to 75 %		
C	2.0	326 to 350	65+ to 70 %		
D+	1.3	306 to 325	61+ to 65 %		
D	1.0	296 to 305	59+ to 61 %		
D-	0.7	276 to 295	55+ to 59 %		
F	0.0	0 to 275	0 to 55 %		

Course: MATHD 043.23, Pre-Calculus 3. Call number- 20671-01 Units: 5

Time: MW, 4:00 to 6:15 p.m. Room- E 33

Text: Pre-Calculus with limits, 2nd Edition by Larson.

WebAssign course name: Precalculus 3, Math 43, Summer 2015, De Anza College. **Class Key:** deanza 7337 5030

Instructor: H. K. SHAH

Week # Month	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 June/July	29 7.1, 7.3	30 7.5, 8.1	July 1 Quiz-1, HW-1 8.2 Last day for refund	2 8.3, 8.4	3	4 July 5, last day to add/drop with no grade record.
2	6 Census Day 8.4, 8.5	7 Test 1, HW-2	8 10.1, 10.2	9 10.3, 10.4	10	11
3	13 Quiz-2, HW-3 10.5	14 10.6, 10.7	15 10.7, 10.8	16 10.9	17	18
4	20 Test-2, HW-4	21 9.1, 9.2	22 9.3, 9.4	23 Quiz-3, HW-5 9.5	24	25
5	27 6.3, 6.4	28 Quiz-4, HW-6 11.1 Last day to drop with 'W'	29 11.2, 11.3	30 11.4	31	August 1
6 August	3 Review Test-3, HW-7	4 Whole Review	5 Whole Review	6 Comprehensive Final Exam 5:30 to 7:30 p.m.	7	8

HW/Quiz/Test # →	1	2	3	4	5	6	7
Homework assignment Sections/Chapters →	Chap. 7	Chap.8	10.1 to 10.4	10.5 to 10.9	9.1 to 9.4	9.5,6.3,6.4	11.1 to 11.4
Sections to be covered For QUIZ →	Chap. 7	10.1 to 10.4	9.1 to 9.4	9.5,6.3,6.4	-----	-----	-----
Chapters/sections to be Covered for TEST →	Chapters 7, 8.	Chap. 10	Chapters 6,9,11	-----	-----	-----	-----

Final exam is comprehensive exam covering whole syllabus.