

Math 114**De Anza College, Cupertino.****Quarter- Winter 2016****Course:** Math-D114.65, Intermediate Algebra.**CRN #** 01326-01**Time** – MW, 6:30 to 8:45 p.m. **Room** – MLC 112**Prerequisite:** Mathematics 212, Beginning Algebra with C or better grade, or qualifying scores on the Math Placement Test.**Textbook:** Intermediate Algebra, 5th Edition. By Blitzer**Equipment:** Scientific calculator.**Instructor:** H. K. SHAH.**Email:** shahhemendra@deanza.edu**Office hours:** Mondays and Wednesdays, 5:45 to 6:15 p.m., Room E 37

Attendance: Students are expected to attend all class meetings without tardy. Student with three recorded absences may be dropped from the course. If student decides to drop the course, it is his/her responsibility to drop the course. Ten points are kept for total attendance. Student will lose 5 points for each absence.

Disappearing from the class doesn't qualify for getting 'W' for the course, but will get "F" grade.

Course Outline: Student learning outcomes: Outcome 1: Evaluate real world situations and distinguish between and apply exponential, logarithmic, rational, and discrete function models appropriately. Outcome 2: Analyze, interpret, and communicate results of exponential, logarithmic, rational, and discrete models in a logical manner from four point of view – visual, formula, numerical, and written.

It covers topics like Properties of exponents, Solving Linear and Absolute Value Inequalities; Rational Expressions, Functions and Equations; Radicals, Radical functions, and Rational Exponents; Exponential and Logarithmic Functions; Circles; Sequences and Series. It is an intensive course, requiring ten to fifteen hours of study time out side the class.

Homework: Homework sheet is attached. Every homework has its due date. Do your homework on **standard letter size paper**, writing your name, circling your role number, on top right hand corner, and staple together. Late home work will not be accepted.

Examinations: There will be three midterm tests each of one hour, and five quizzes each of 20 minutes. There will be no make-ups for missed tests/final or quizzes. Your lowest scored test (if appeared for all tests) will be replaced by % of final if you did better (% wise) in the final exam. If only one test is missed due to unavoidable circumstance, and the instructor is notified in advance or quickly; % of the final exam score will be replaced for missed test. A comprehensive final examination of two hours will be given on Wednesday, March 23, 2016 during 6:15 to 8:15 p.m. in our classroom. **Students remaining 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.**

Evening Office Coordinator: Administrative office

Phone: 864-8333

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 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	3x60 = 180
A 4.0	456 to 475	91+ to 95 %	Five Quizzes	5x20 = 100
A- 3.7	436 to 455	87+ to 91%	Homework	60
B+ 3.3	416 to 435	83+ to 87 %	attendance	10
B 3.0	396 to 415	79+ to 83 %	Final Exam	<u>150</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 %		

Math 114 De Anza College, Cupertino.

Quarter- Winter 2016

Course: MathD114.65, Precalculus 1: Theory and functions

Call # 01326-01

Units: 5

Time- MW, 6:30 to 8:45 p.m.

Room- MLC 112

Text: Textbook: Intermediate Algebra, 5th Edition. By Blitzer

Equipment: Scientific calculator.

Instructor: H. K. Shah

Week # /Month	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 January	4 4.2, 4.3	5	6 5.6,6.1	7	8	9
2	11 6.2 Quiz -1, HW-1	12	13 6.3,6.4	14	15	16 Last day to add 16 th . To drop for refund 17 th .
3	18 Drop w/o W. Martin Luther King, Holiday.	19	20 HW-2, Quiz-2 6.6, 6.7	21	22	23
4	25 6.7, 6.8	26	27 HW-3, Review Test 1	28	29	30
5 February	Feb. 1 7.1, 7.2	2	3 7.3, 7.4	4	5	6
6	8 Quiz- 3, HW- 4 7.5, 7.6	9	10 7.6, 10.1	11	12	13
7	15 Washington Birthday, Holiday	16	17 HW-5, Review Test-2	18	19	20
8	22 9.1, 9.2	23	24 9.3, 9.4	25	26 Last day to drop With 'W'	27
9 March	29 HW-6, Quiz-4 9.5, 9.6	March 1	2 9.6, 11.1	3	4	5
10	7 HW-7, Quiz-5 11.2	8	9 11.2,11.3	10	11	12
11	14 HW-8, Review Test 3	15	16 Whole review	17	18	19
12	21 Blank day.	22	23 Final Examination 6:15 to 8:15 p.m.	24	25	26

HW/Quiz/Test # →	1	2	3	4	5	6	7	8
Homework Section #s due	4.2, 4.3, 5.6.	6.1 to 6.4	6.6 to 6.8	7.1 to 7.4	7.5 to 7.6, 10.1	9.1 to 9.4	9.5,9.6	11.1 to 11.3
Quiz Sections/ Chapters	4.2, 4.3, 5.6.	6.1 to 6.4	7.1 to 7.4	9.1 to 9.4	9.5,9.6	-----	-----	
Chapters to prepare for test	Chapters 4 to 6	Chapter 7, 10.1	Chapters 9,11	-----	-----	-----	-----	

Final exam will be comprehensive, show your work type exam. No exam is multiple choice exam.

Homework exercises, Math 114, Intermediate Algebra, De Anza College.

Book: Intermediate Algebra. 5th edition. By Robert Blitzer

Instructor: H. K. Shah

Homework (HW) #	Chapter	Section	Exercises
HW 1	4	4.2	1,3,9,11,13,17,23,29,33,37,41,49,57,71,79,83.
		4.3	5,19,27,33,37,43,45,51,55,61,69,79,81,91,95.
	5	5.6	5,7,11,15,19,37,41,45,51,61,65,75,81,85, 94 to 97, 103.
HW 2	6	6.1	19,21,27,39,49,53,67,71,79,87,105 to 108,109,113.
		6.2	5,13,21,25,27,33,43,51,61,63,77,79,,81,85.
		6.3	3,7,13,19,23,29,35,37,51,53.
		6.4	1,7,11,15,19,27,33,39,45,53.
HW 3		6.6	5,11,17,23,25,27,31,37,47,49,51,61.
		6.7	3,5,7,13,15 to 18,19, 27,29,35,37,39,41,47,49,55.
		6.8	1,3,5,13,15,19,21,27,33,35,39,49.
HW 4	7	7.1	5,7,13,23,25,27 to 32,37,41,45,49,55,63,65,83,87,89,91,93,97,101.
		7.2	5,9,15,17,31,35,45,49,57,65,77,83,89,97,105,127.
		7.3	7,13,17,19,23,31,33,35,41,47,55,59,67,77,81,91,95,107.
		7.4	5,9,15,19,25,27,35,39,51,61,71,75,77,81,83.
HW 5		7.5	5,9,15,19,25,31,37,41,49,55,63,67,73,77,81,89,101,103,117,119,121.
		7.6	3,5,13,17,23,25,33,37,41,43,47,55,57,73 to 75.
	10	10.1	1,7,13,17,21,25,29,31,35,39,43,47,51,53,59,63,67.
HW 6	9	9.1	3,5,17,21,39,43,45,47,53,55,56,57.
		9.2	3,7,9,17,21,33,39,43,45 to 50,51,53,55,59,61,69,71,73.
		9.3	1,5,11,15,17,21,25,29,33,43,45,47,49,51,57,61,63,65,67,73,75,79, 81 to 86, 87, 93.
		9.4	5,11,17,25,33,35,41,45,51,55,59,61,65,73,75,77,79,85,87,89,93.
HW 7	9	9.5	3,7,13,15,19,21,27,31,35,37,43,51,57,59,65,71,77,89,99,105,107,113.
		9.6	1,3,5,9,11,13,19,27,29.
HW 8	11	11.1	1,5,7,21,25,27,31,37,45,47,49,53,57,61.
		11.2	3,9,15,23,27,31,33,39,41,49,51,53,57,59,61,69.
		11.3	3,7,9,13,17,23,25,29,33,37,41,47,51,53,57,59,61,63,79,83,85,89.