

# De Anza College – Winter 2016

## MATH 114-64 Intermediate Algebra

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Instructor: Dr. Paul Du  
E-mail: dupaul@fhda.edu  
Class Communication Tool: *My Courses / Course Studio* in MyPortal

Class: TTh 6:30 pm – 8:45 pm, Room G6  
Office Hours: TTh 3:00 pm – 3:50 pm, Room S43

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### Prerequisite

Qualifying score on the Math Placement Test within the last calendar year; or Mathematics 212 with a grade of C or better, or equivalent.

### Textbook

*Intermediate Algebra for College Students* by Blitzer, Second De Anza Custom Edition.

### Required Supplies

Bring the following to class everyday.

- Textbook
- Three-ring binder
- Loose-leaf paper
- 3" × 5" index cards
- Pencils and eraser
- Stapler
- Red pen
- Ruler

### Calculator Policy

The only calculator that may be used (but not required) on exams is a Texas Instruments TI-30Xa scientific calculator. No other type of calculator or cell phone calculator will be allowed on exams. Sharing of calculators will not be allowed on exams.

### Course Description

This course is intended to extend and reinforce the concepts and skills learned in elementary algebra. Topics covered include absolute value equations and inequalities, rational expressions and equations, radical expressions and equations, composite and inverse functions, exponential and logarithmic functions, and sequences and series. Conceptual understanding and problem solving will be emphasized throughout the course.

### Student Learning Outcomes

Upon successful completion of this course, the student will be able to

1. Evaluate real-world situations and distinguish between and apply exponential, logarithmic, rational, and discrete function models appropriately.
2. Analyze, interpret, and communicate results of exponential, logarithmic, rational and discrete models in a logical manner from four points of view – visual, formula, numerical, and written.

## Homework, Flash Cards, and Classwork

Homework will be assigned for each covered section of the textbook and will be due on each exam day. Students are responsible for solving all the problems assigned, showing all work in a neat and orderly manner. Simply giving answers without showing work will receive no credit. Homework will be graded on neatness, completeness, and correctness. Late homework will be accepted but will receive a maximum of half credit.

*Homework Format:* Each homework assignment must be completed on standard letter size paper with smooth edges, stapled together, and in pencil or black/blue pen. Each problem must be clearly numbered and each solution must begin with the original problem statement (except for a word problem).

Students will make flash cards for an assigned list of definitions, rules, and common errors. As with homework, flash cards will be due on each exam day and late flash cards will be accepted but will receive a maximum of half credit.

There will be occasional in-class assignments which may involve group work. The dates for classwork will be unannounced. There will be NO make-up classwork.

## Quizzes and Exams

There will be seven (7) quizzes given during the quarter. Quiz problems will be based on homework and flash cards. The lowest two (2) quiz scores will be dropped. There will be NO make-up quizzes.

There will be two (2) midterm exams given during the quarter. The lowest midterm exam score will be replaced by the final exam score, if the latter is higher. A picture ID is required to take each midterm exam. There will be NO make-up midterm exams.

A mandatory comprehensive final exam will be given at the end of the quarter. Students may bring one double-sided 8.5" × 11" sheet of handwritten notes to the final exam. A picture ID is required to take the final exam. Any student who misses the final exam will receive a grade of F for the course.

## Grading Policy

The course grade will be determined by the following:

Classwork .....	5%	A =	90% – 100%
Homework/Flash Cards .....	15%	B =	80% – 89%
Quizzes .....	10%	C =	70% – 79%
Midterm Exams .....	40%	D =	60% – 69%
Final Exam .....	30%	F =	0% – 59%

## Attendance Policy

Students are expected to attend all classes, to be on time and to stay for the entire class period. Any student who misses more than three (3) classes may be dropped by the instructor. Each incidence of tardiness or leaving class early will count as half an absence. If a student decides not to continue with the course, it is the student's responsibility to officially drop the course. Failure to do so may result in a grade of F for the course.

## **Academic Honesty**

Students are responsible for keeping themselves informed of the College Policy on Academic Integrity ([www.deanza.edu/studenthandbook/academic-integrity.html](http://www.deanza.edu/studenthandbook/academic-integrity.html)). Cheating will not be tolerated and can result in receiving a zero on the exam or an F for the course up to being reported to the Dean of Students Office for possible disciplinary action.

## **Classroom Behavior**

Students are responsible for keeping themselves informed of the College Student Code of Conduct ([www.deanza.edu/dsps/dish/appendix/conducts.html](http://www.deanza.edu/dsps/dish/appendix/conducts.html)). Disruptive classroom behavior, including (but not limited to) talking with others during lecture and using electronic devices for non-class purposes, is not permitted. Persistent disruption can result in being asked to leave the class and/or being referred to the Dean of Students Office.

## **Accommodations for Students with Disabilities**

Students with disabilities who believe that they may need accommodations in this course are encouraged to contact Disability Support Services (408-864-8753) or Educational Diagnostic Center (408-864-8839) as soon as possible to ensure that such accommodations are arranged in a timely fashion.

## **Additional Help**

Math and Science Tutorial Center (S43) provides free individual and group tutoring. A good online math learning resource is *Khan Academy* ([www.khanacademy.org/math](http://www.khanacademy.org/math)).

## **Hints for Success**

- ▶ Work problems very day.
- ▶ Make algebra flash cards.
- ▶ Review old material constantly.
- ▶ Form a study group.
- ▶ Utilize tutoring and online resources.

**Tentative Course Schedule**  
(MATH 114-64 – Winter 2016)

TUESDAY		THURSDAY	
Jan 5th §1.6, §1.7	<b>1</b>	7th §4.2, §4.3	<b>2</b>
12th §6.1, §6.2	<b>3</b>	14th §6.3, Quiz 1	<b>4</b>
19th §6.4, §6.6	<b>5</b>	21st §6.7, Quiz 2	<b>6</b>
26th §6.8, Review	<b>7</b>	28th <b>Exam 1</b>	<b>8</b>
Feb 2nd §7.1, §7.2	<b>9</b>	4th §7.3, Quiz 3	<b>10</b>
9th §7.4, §7.5	<b>11</b>	11th §7.6, Quiz 4	<b>12</b>
16th §10.1	<b>13</b>	18th §9.1, §9.2, Quiz 5	<b>14</b>
23rd §9.3, §9.4	<b>15</b>	25th §9.5, §9.6, Quiz 6	<b>16</b>
Mar 1st Review	<b>17</b>	3rd <b>Exam 2</b>	<b>18</b>
8th §11.1	<b>19</b>	10th §11.2, Quiz 7	<b>20</b>
15th §11.3	<b>21</b>	17th Final Review	<b>22</b>
22nd		24th <b>Final: 6:15 PM – 8:15 PM</b>	<b>23</b>