

## MATH 114.14 Intermediate Algebra

**Instructor:** Ruey-Hsia Li

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**Class Hours:** Monday – Friday 11:30 AM – 12:20 PM, Room MLC105

**Office Hours:** Mondays 9:30 AM – 10:20 AM, Room S43

**Course Homepage:** The course homepage can be accessed by clicking the course link in *My Portal*. Course information can be found under *Files*.

**Prerequisites:** Qualifying score on the math placement test within the last calendar year or MATH 212 or equivalent with a grade of C or better.

**Textbook:** Intermediate Algebra for College Students, 7<sup>th</sup> Edition by Robert Blitzer.

**Course Description:** This course is intended to extend and reinforce the concepts and skills learned in elementary algebra. Topics covered include compound inequalities, absolute value equations and inequalities, rational functions and equations, radical expressions and equations, 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 should be able to

- Evaluate real-world situations and distinguish between and apply exponential, logarithmic, rational, and discrete function models appropriately.
- 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.

**Attendance:** Students are expected to be on time and attend all classes.

**Homework:** Homework will be assigned daily and collected at the beginning of the class every Monday. Students are required to turn in homework on time. Homework is graded based on effort and completeness. Homework solutions will be posted in the course homepage.

**Quizzes:** There will be five quizzes throughout the quarter. Quiz problems will be based on the homework and what was taught in class.

**Exams:** There will be three 50-minute midterm exams and a comprehensive final exam. Make-up exams will not be given. You must take the final exam on order to pass the course.

**Grading:** Grades are determined based on homework, in-class assignments, quizzes, midterms, and the final exams. The grading scale/weight is listed below.

Type of Evaluation	Percent of Grade
Homework	10%
Classwork	10%
Quizzes	10%
3 Midterm	45%
Final	25%

Grading Scale	Score
A	90 – 100%
B	80 – 89%
C	70 – 79%
D	60 – 69%
F	0 – 59%

**Tentative Class Schedule:**

Monday	Tuesday	Wednesday	Thursday	Friday
1/9 1.6	1/10 1.6	1/11 1.7	1/12 4.2	1/13 4.3
1/16 <i>No Class</i>	1/17 6.1	1/18 6.1	1/19 6.1	1/20 6.2 <i>Quiz 1</i>
1/23 6.2	1/24 6.3	1/25 6.4	1/26 6.5	1/27 6.5 <i>Quiz 2</i>
1/30 6.6	1/31 6.6	2/1 <i>Midterm 1</i>	2/2 6.7	2/3 6.8
2/6 7.1	2/7 7.1	2/8 7.2 <i>Quiz 3</i>	2/9 7.2	2/10 7.3
2/13 7.3	2/14 7.4	2/15 7.4 <i>Quiz 4</i>	2/16 7.5	2/17 <i>No Class</i>
2/20 <i>No Class</i>	2/21 7.5	2/22 <i>Midterm 2</i>	2/23 9.1	2/24 9.1
2/27 9.1	2/28 9.2	3/1 9.2	3/2 9.2	3/3 9.3 <i>Last day to drop</i>
3/6 9.3 <i>Quiz 5</i>	3/7 9.4	3/8 9.4	3/9 9.5	3/10 9.5
3/13 10.1	3/14 10.1	3/15 <i>Midterm 3</i>	3/16 11.1	3/17 11.1
3/20 11.2	3/21 11.2	3/22 11.3	3/23 11.3	3/24 <i>Review</i>
3/27 <i>Final Exam</i> 11:30am – 1:30pm	3/28	3/29	3/30	3/31

**Extra Help and Support:** Take advantage of the free support services offered

- Math, Science & Technology Resource Center in S43.

**Important Dates:** See <http://www.deanza.edu/calendar/winterdates.html> for details.

- Saturday, January 21 :: Last day to add quarter-length classes.
- Sunday, January 22 :: Last day to drop for a full refund.
- Friday, March 3 :: Last day to drop with a “W”.
- Monday, March 27 :: Final Exam (11:30 am – 1:30 pm)