

Math 155 Section 5171 Spring 2017*Intermediate Algebra***Tuesday & Thursday:****11:00 – 1:00 PM****1731 Shuhaw**My College Website: <http://profiles.santarosa.edu/bic-ha-dovan>**Santa Rosa Junior College**Instructor: **Bic Ha DoVan**email: bdovan@santarosa.eduPhone: **707-778-3663 (Email is better!)**Office: **1718 Shuhaw**

Office Hours: **Monday, Tuesday, Wednesday & Thursday: 9:00 – 10:00 AM** or by appointment. Please note that if you email me Monday – Friday, 8 AM – 5 PM, I am able to reply within 24 hours. Please come to my office hours (or make an appointment) whenever you need help or if you would like to discuss anything.

Prerequisite:

A grade of **C** or better in Math 151 or Math 150B, or a satisfactory score on the placement exam.

Textbook:*Intermediate Algebra for College Students, 6th Edition* by Robert Blitzer.The textbook is on reserve at the SRJC Library Call Number: **QA 154.3.B584 2013**

Optional Online software: MyMathLab is for online Homework Assignments. You have the choice of doing homework from the textbook or from the MyMathLab online software. Choose **ONE** of these to do for the **entire semester**. If you already have an access code for this textbook, register at <http://pearsonmylab.com/> for access to online homework. Please bookmark this page. The course code is **dovan29813**. If you are able to study using only an e-book, then you may buy the access code alone and need not purchase a hard copy of the textbook.

Calculators: Texas Instruments Graphing calculators: TI 83, 83+, 84, 84+, 89 (or equivalent) is required. I will be demonstrating on a TI 84. Calculators may be checked out of the library for the entire semester for free.

Course Description and Student Learning Outcomes can be found in the Math 155 course outline at SRJC.

http://busapp02.santarosa.edu/SRweb/SR_CourseOutlines.aspx?CVID=25632&Semester=20157

Important Dates for Spring 2017.

February 5, Last day to drop a semester length course **without a “W”** symbol.

February 16, PDA Day, No Classes

February 26, Last day to opt for **P/NP** option.

March 20 – 26, Spring Break

April 23, Last day to drop a semester length class **with a “W”** symbol.

Students who choose not to continue the course are responsible for withdrawing from the class. Failure to do so may result in an “F” grade.

My Classroom Policy is to insure the best environment for learning and is a courtesy to me and your classmates.

I want everyone to succeed in our class.

- Arrive on time. Stay for the entire class period.
- Turn off ALL electronic devices except for your calculators. A cell phone is NOT a calculator.
- Texting messages during class will not be tolerated.
- If your cell-phone or pager goes off during class, you are requested to bring cookies/goodies at the next class meeting to share with your classmates.

Student Conduct:

A student shall conduct himself or herself in a manner that reflects their awareness of common standards of decency and rights of others. Obstruction or disruption of teaching *is not acceptable in any form*.

The Student Code of Conduct can be found in the college catalog. <https://student-conduct.santarosa.edu>

Attendance Policy:

Sonoma County Junior College District attendance policy is as follows.

Students are expected to attend all sessions of the course in which they are enrolled.

Any student with excessive absences may be dropped from the class.

If you need disability related accommodations for this class, please provide the Authorization for Academic Accommodations (AAA letter) from the Disability Resources Department (DRD) to me as soon as possible. The DRD is located in Bertolini at the Santa Rosa campus (527- 4278) and PC 101 Jacobs Hall at the Petaluma Campus (778-2491).

Grading:	90 – 100 A	80 – 89 B	70 – 79 C	56 – 69 D	0 – 55 F
	Homework (Online OR Textbook)				12 %
	Classwork (Best 6)				8 %
	Exams (4 @ 15% each)				60 %
	Final Exam				20 %
	Total				100 %

IF you choose Online Homework: The course code when registering with MyMathLab is **dovan29813**.

- All online Homework Assignments are due according to the MyMathLab due dates. Please check the website regularly for updates.
- You may rework assignments as many times as you'd like, but only up until the MyMathLab due date.

Textbook Homework Assignments: Write the problems down (unless it is a word problem, then write the important information) neatly and show the steps that you are using to get to the solution. Separate each problem with at least one line. You may use the two-column method on your paper. Draw a line down the middle of the paper. **Finish one column with problems before starting the next column.** Do not combine both methods on the same assignment. **Problems that are graphed require graph paper.** Staple on the top left all pages in order and on the front page at the **top right corner** write:

Your Name

Math 155

HW Assignment Section # and Title of HW Section

Points are based on completeness, correctness and clarity. Textbook Homework due dates are listed in the syllabus. I do NOT accept late homework.

Classwork: Classwork is given in class and must be completed and **due at the NEXT class meeting**. Classwork that is turned in one class meeting after they are due receives 50% credit. NO credit after that. I only count the best 6 Classwork. You may work with your classmates and the Math Lab on this assignment.

Exams: There are **four in-class Exams and a Final exam**. Note that **all** exams may contain questions that require knowledge from any previously covered material. Write neatly and show the steps that you are using to get to the solution. Parts of the exams do not allow for a graphing calculator. There are **NO make up exams**. I will replace your lowest exam score with the final exam score if it improves your grade.

Academic Integrity: <https://studentlife.santarosa.edu/academic-integrity>

Exams must be done by the student alone.

Any student and all those involved who violate this rule will receive a zero on the Exam.

A second offense may result in failing the course.

Tentative Lecture Schedule

Week/ Dates	Tuesday	Thursday
1 Jan 17/ 19	Introductions; 2.1 Functions; 2.2 Graphing.	Finish 2.2 Graphing; 2.3 The Algebra of Functions.
2 Jan 24/ 26	2.4 Linear Functions & Slope; 2.5 Equations of a Line.	Finish 2.5 Equations of a Line; 3.1 Systems of Linear Equations, 2 Variables.+
3 Jan 31/Feb 2	3.2 Problem Solving & Business Applications; 4.1 Solving Linear Inequalities.	4.2 Compound Inequalities; 4.3 Equations and Inequalities involving Absolute-Value. +
4 Feb 7/ 9	4.4 Linear Inequalities in Two Variables; 5.1 Polynomials, Adding and Subtracting.	5.2 Multiplication of Polynomials; Catch Up.
5 Feb 14/ 16	Exam 1 (Covers Chapters 2 & 4, Sect. 3.1, 3.2, 5.1)	NO Classes Faculty PDA FLEX DAY
6 Feb 21/ 23	5.3 Greatest Common Factor and Factor by Grouping; 5.4 Factoring Special Forms.	5.5 Factoring Trinomials; 5.6 General Factoring Strategy; 5.7 Polynomial Equations & Applications.
7 Feb 28/Mar 2	3.3 Systems of Linear Equations in 3 Variables; 3.4 Matrix Solutions to Linear Systems.	6.1 Rational Expressions & Functions, Multiplying & Dividing; 6.2 Adding & Subtracting Rational Express. +
8 Mar 7/ 9	6.3 Complex Rational Expressions; 6.4 Division of Polynomials.	6.6 Rational Equations; 6.7 Formulas and Applications. +
9 Mar 14/ 16	6.8 Modeling Using Variation; Catch Up.	Exam 2 (Covers Sections 3.3, 3.4, 6.1 – 6.4, 6.6, 6.7 & Chapter 5)
10 Mar 21 / 23	<i>Spring Break</i> NO Classes	<i>Spring Break</i> NO Classes
11 Mar 28 / 30	7.1 Radical Expressions and Functions; 7.2 Rational Exponents.	7.3 Multiplying & Simplifying Radical Express; 7.4 Add, Subtract, Multiply & Divide R. E.
12 April 4 / 6	7.5 More Multiplying & Rationalizing the Denominator; 7.6 Radical Equations.	8.1 The Square Root Property & Completing the Square; 8.2 The Quadratic Formula. +
13 April 11 /13	8.3 Quadratic Functions and their Graphs; 8.4 Equations Quadratic in Form.	Finish 8.4 Equations Quadratic in Form; 8.5 Polynomial & Rational Inequalities. +
14 April 18 /20	9.1 Exponential Functions; Catch Up.	Exam 3 (Covers Sections 6.8, 8.1 – 8.4 & Chapter 7)
15 April 25/27	9.2 Composite & Inverse* Functions; 9.3 Logarithmic Functions.	Finish 9.3 Logarithmic Functions; 9.4 Properties of Logarithms.
16 May 2 / 4	9.5 Exponential and Logarithmic Equations; 10.1 Midpoint & Distance Formulas, Circles.	Finish 10.1 Formulas & Circles; 11.1 Sequences and Summation Notation. +
17 May 9 / 11	11.4 The Binomial Theorem & Factorials.	Review Exam 4.
18 May 16 / 18	Exam 4 (Covers Chapter 9, Sections 8.5, 10.1, 11.1, 11.4)	Review Comprehensive Final Exam.
19 May 23 / 25	COMPREHENSIVE FINAL EXAM **10:00 – 12:45 PM** Note the earlier time! You may use a 3x5 inch notecard, one side only for notes and formulas, NO examples.	NO CLASSES

Note: This *tentative* schedule of lectures and exams may be modified if necessary to accommodate changes in scheduling and pace of class. All above dates are subject to change except for the final exam date.

Text Book Homework Assignments **(Not for those using MyMathLab Online Homework)**

Sections	Pages	Problems	Due Date
2.1	111 – 112	#5, 11, 15, 17, 19, 23, 27, 29, 31.	Jan. 26
2.2	121 – 123	#5, 7, 13, 15, 19, 27, 31, 37, 41.	Jan. 26
2.3	132 – 133	#1, 9, 15, 21, 23, 35, 43, 51, 53, 59.	Jan. 26
2.4	150 – 151	CVC – 3, 9, 13 & #9, 17, 19, 25, 27, 33, 41, 43, 47, 55, 61.	Feb. 2
2.5	161 – 163	CVC – 3, 5 & #5, 11, 13, 21, 27, 31, 39, 43, 45, 47, 55.	Feb. 2
3.1	190	#5, 11, 21, 29, 37, 39, 47, 55, 63, 67.	Feb. 2
3.2	204 – 206	#3, 7, 11, 13, 17, 21, 27, 31, 33, 37.	Feb. 9
4.1 & 4.2	262 272 – 273	#5, 19, 29, 39, 43, 65 & #1, 5, 19, 31, 33, 37, 49, 57, 59, 63, 73.	Feb. 9
4.3	282 – 283	#7, 19, 25, 33, 35, 45, 53, 59, 61, 63, 65, 83.	Feb. 9
4.4	294	#5, 7, 15, 17, 19, 25, 29, 33, 37, 39, 42, 45.	Feb. 14
5.1	324 – 325	#5, 7, 13, 17, 23, 27, 41, 47, 49, 55, 61.	Feb. 14
		EXAM 1	Feb. 14
5.2 & 5.3	337 – 338 347 – 348	#5, 17, 21, 27, 45, 51, 59, 61, 71, 77, 83 & #9, 17, 23, 31, 41, 43, 47, 57.	Mar. 2
5.4 & 5.5 & 5.6	361 371 – 372 378	#9, 15, 25, 33, 39, 73, 81 & #7, 13, 31, 37, 47, 61, 69, 75, 77, 81 & #9, 15, 29.	Mar. 2
5.7	390 – 393	#4, 7, 13, 25, 29, 37, 45, 63, 65, 72, 75, 83.	Mar. 2
3.3 & 3.4 No GC	215 – 216 228 – 230	#1, 7, 17, 19 & #5, 7, 9, 11, 39, 43.	Mar. 9
3.3 & 3.4 GC	216 – 218 229 – 230	#23, 24, 27, 29, 43, 45 & #33, 35, 37, 43.	Mar. 9
6.1	413 – 415	#3, 13, 17, 19, 21, 23, 33, 39, 45, 59, 77, 85, 89, 99.	Mar. 9
6.2 & 6.3	426 – 428 435 – 436	#5, 9, 13, 27, 31, 37, 53, 67, 75 & #3, 9, 13, 17, 21, 29.	Mar. 9
6.4	444 – 445	#5, 9, 11, 15, 19, 25, 27, 29, 35.	Mar. 16
6.6 & 6.7	462 – 463 475 – 477	#3, 6, 11, 15, 24, 27, 39, 41 & #3, 11, 25, 31, 39, 41, 45.	Mar. 16
		EXAM 2	Mar. 16

Continued Text Book Homework Assignments **(Not for those using MyMathLab Online Homework)**

Section	Pages	Problems	Due Date
6.8	487 – 489	#5, 9, 13, 15, 24, 25, 36, 37, 39.	Mar. 30
7.1	511 – 513	#7, 13, 19, 23, 29, 35, 37, 41, 49, 53, 57, 65, 73, 81, 89, 91, 93, 95.	Mar. 30
7.2	521 – 522	5, 9, 13, 17, 25, 31, 37, 41, 43, 49, 53, 61, 69, 73, 77, 83, 87, 91, 105.	April 6
7.3	530 – 531	CVC – 1 & #9, 15, 19, 31, 33, 37, 41, 47, 55, 57, 67, 75, 81, 85.	April 6
7.4 & 7.5	538 – 539 549 – 550	#15, 21, 25, 41, 55, 61, 65, 73, 79 & #9, 17, 35, 43, 63, 77, 81, 85.	April 6
7.6	559 – 560	#7, 9, 19, 21, 23, 25, 29, 31, 39, 43, 47.	April 13
8.1	592 – 593	#7, 9, 17, 19, 25, 31, 39, 43, 47, 49.	April 13
8.2	607 – 608	CVC – 1, 7, 9 & #5, 9, 11, 19, 23, 29, 35, 43, 53, 59, 71.	April 13
8.3	625 – 627	#3, 7, 11, 15, 19, 25, 27, 31, 39, 43, 47, 51, 53, 57.	April 20
8.4	635	CVC – 1, 3, 5 & #1, 5, 9, 13, 25.	April 20
		EXAM 3	April 20
8.5	649	3, 7, 17, 31, 41, 51, 55.	April 27
9.1	671 – 674	#5, 9, 13, 17, 21, 27, 33, 35, 39, 45, 55, 59.	April 27
9.2	686 – 688	CVC – 5, 7, 9 & #2, 7, 9, 11, 19, 29, 55, 63, 69.	May 4
9.3	700 – 701	#7, 15, 19, 23, 27, 33, 39, 41, 49, 51, 53, 55, 57, 63, 69, 73, 75, 85, 87.	May 4
9.4	712 – 713	#13, 21, 25, 27, 33, 41, 43, 53, 59, 67, 81, 83, 93.	May 11
9.5	726	#1, 11, 17, 21, 27, 35, 39, 49, 51, 67, 71, 79, 53, 61.	May 11
10.1	762 – 763	#7, 15, 23, 27, 35, 37, 39, 43, 45, 49, 53, 61.	May 11
11.1	826 – 829	CVC – 5 & #1, 5, 11, 13, 19, 25, 27, 31, 35, 43, 45, 85.	May 16
11.4	862 – 863	#7, 9, 11, 17, 19, 33, 39, 43, 45.	May 16
		EXAM 4	May 16
		Comprehensive Final Exam	Tuesday May 23