Math 5 Spring 2017   sarajones@prodigy.net
Linear Algebra   Office: Shuhaw 1714   527- 4296
MW 7:30- 9:00 AM, sec. 5164   1723 Shuhaw

Office Hours: Mon. and Wed. 8 -9 AM, Tues. and Thurs. 10:30-11:30 AM
            and by appointment
E-mail Hours: Monday and Wednesday 8:30-9 PM

Required Materials:
Linear Algebra and Its Applications, fifth Edition, by Lay, Lay, and McDonald, QA184.2.L39 2016
Access to MyMathLab: http://www.coursecompass.com, course ID: jones52904
A Graphing Calculator: TI-83, TI-84
3 ring binder to keep text, class work and homework

Santa Rosa Junior College Course Outline and Student Learning Outcomes for Math 5
https://portal.santarosa.edu/SRWeb/SR_CourseOutlines.aspx?mode=1&CVID=25457&Semester=20157

Homework will be collected at the beginning of each class. Each assignment will be worth 20 points: 10 will be based on the Refrigerator Homework(RH) problems, and 10 points will be based on your Computer Homework(CH). Both should be done neatly with a two column format, answers circled, and space left for comments between problems. For both you must state the problem and show all work. Refrigerator homework on Top should be so complete, beautiful, and clear enough that it is suitable for display on your refrigerator. For Computer homework write the percentage correct on the top, and staple it to the back of your Refrigerator homework. In cases of illness or emergency, late homework will be accepted but will be worth 7/10 for each part. The lowest two homework grades will be dropped.

Quizzes will be given regularly. **Unannounced quizzes may be given at the beginning or end of any class**. You should ask for copies of missed quizzes to be completed at home and receive half credit. Any quiz on which you receive less than half credit may be corrected within a week to get up to half credit. The sum of the quiz grades will be worth a test grade.

In Class Test dates are listed below, and cannot be made up. The final is cumulative. Grade on final will replace a missed test grade. Test points have more weight than homework points.

GRADING: If you want to pass, come to class, do the homework, and see me if you need help!!

Tests (3 exams at 15% each):	45%
Final Exam	30%
Daily written homework	15%
Quizzes	10%

Course grades use the following scale:
A: 90-100   **B**: 80-89   **C**: 70-79   **D**: 60-69   **F:** 0-59

Example: Mr. Bill has scores of 70, 75, and 90 on his three tests and his final exam score is 70. His homework average is 567/600 = 94.5% and his quiz average is 100%. His course grade is then
$0.15*(70+75+90) + 0.30*70 + 0.15*94.5 + 0.10*100 = 80.4$, a B in the class.

Dates to remember:
January 23 …..PDA Day No class
February 14, …..Test 1
February 16, …………………….……………………….PDA Day No class
March 16, …..Test 2
March 20-25, …...Spring Break
April 27 …..Test 3
May 23, …..Final

Assistance can be found at the Mathematics Computer Lab, the MESA center, and the Tutorial Center in the Library, in my office, or via e-mail.

• The Math Department office has a list of private tutors. This list can be found on the Math Department web site at https://mathematics.santarosa.edu/tutor-list

• If you need disability related accommodations for this class, such as a note taker, test taking services, special furniture, use of service animal, etc., please provide the Authorization for Academic Accommodations (AAA letter) from the Disability Resources Department (DRD) to me as soon as possible. You may also speak with me privately during office hours about your accommodations. If you have not received authorization from DRD, it is recommended that you contact them directly. DRD is located in Bertolini Student Center, Third Floor, Room 4844 on the Santa Rosa campus, and the Petaluma Village on the Petaluma Campus.

Homework Hints
- Check odd answers in the back of your book. If you are assigned an even problem and don't know what the answer should include, look at the previous odd answer for the correct form.
- Ask for help before the class in which the assignment is due. I am happy to help.
- Write in complete sentences and equations. Learn the correct notation and symbols as soon as possible.
- Collaborate with a classmate to check answers and work on the problems.
- Fold paper to form two columns. Circle or box Answers. Leave blank space between problem for corrections and comments.

Classroom Conduct
• Please turn off and put away all phones, pagers, music, etc. upon entering class. If I **see or hear** your phone or any other electronic device during class besides your calculator, you will be asked to leave class for the day. You will not be able to make up any work missed.

• If you are caught cheating, you will receive a zero for that test/assignment. You will also be suspended from class for two class meetings and you will not be allowed to make up any missed work. If you are caught cheating there will also be a letter written to the Vice President of Student Services to report the incident. The Vice President may then take additional disciplinary action ranging from reprimand to expulsion.

• The SRJC Rights and Responsibilities for students can be found at the following site:

https://studentlife.santarosa.edu/rights-and-responsibilities

Student Success
- Come to class ready to learn.
- Make sure you eat, sleep and exercise.
- Read the material that will be covered before and after class.
- Always complete homework on time.
- Turn in all homework and quizzes.
- If you miss class, contact me via e-mail immediately to schedule and make up any missed work.
- Do a little homework each day.
- Work for this class will take between 4 and 6 hours outside of class each week. Be sure to schedule time to complete this work at the beginning of the semester.
- Enlist support from employers and loved ones right now.
- Get to know and work with classmates outside of class time.
- Keep a binder containing all classwork and record grades on Homework Assignment Sheet
- Use pencil ONLY and erase your mistakes.
- Health issues (physical and mental) can interfere with your academic success. Student Health Services is here to support you. Details are at shs.santarosa.edu.

Emergency Evacuation Plan
In the event of an emergency during class that requires evacuation of the building, please leave the class immediately and calmly. Our class will meet on the lawn in front of Shuhaw to make sure everyone got out of the building safely and to receive further instructions. If you are a student with a disability who may need assistance in an evacuation, please see me as soon as possible to discuss an evacuation plan.

5094	Linear Algebra	Math 5	Jones Spring 2017
Tuesday	7:30 - 9 AM	Thursday	1723 Shuhaw
17-Jan	MLK Day	19-Jan	1.1 Systems of Equations
24-Jan	1.2 Row Reductions and Echelon Form	26-Jan	1.3 Vector Equations 1.4 The Matrix Equations Ax=b
31-Jan	1.5 Solution Sets for Linear Systems	2-Feb	1.7 Linear Independence 1.8 Linear Transformations
7-Feb	1.9 The Matrix of a Linear Transformation	9-Feb	Review
14-Feb	Test 1 Chapters 1	16-Feb	Holiday
21-Feb	2.1 Matrix Operations 2.2 The Inverse of a Matrix	23-Feb	2.3 Characterizations on Invertable Matrices
28-Feb	*2.8 Dimension* *2.9 Rank*	2-Mar	3.1 Introduction to Determinants
7-Mar	3.2 Properties of Determinants	9-Mar	3.3 Cramer's Rule and Linear Transformations
14-Mar	Review	16-Mar	Test 2 Chapter 2, 3
21-Mar	Spring Break	23-Mar	Spring break
28-Mar	4.1 Vector Spaces and Subspaces	30-Mar	4.2 Null Spaces and Column Spaces
4-Apr	4.3 Linear Independence	6-Apr	4.4 Coordinate Systems
11-Apr	*4.5 Dimension* *4.6 Rank*	13-Apr	5.1 Eigenvectors and Eigen Values
18-Apr	5.2 The Characteristic Equations	20-Apr	5.3 Diagonalization *5.4 Eigen Vectors and Linear Transformations*
25-Apr	Review	27-Apr	Test 3 Chapters 4 and 5
2-May	6.1 Inner Product Spaces	4-May	6.2 Orthogonal Sets
9-May	*6.3 Orthogonal Projections*	11-May	6.4The Gram Schmidt Process
16-May	6.7 Inner Product Spaces	18-May	*7.1 Diagonalization or Symmetric Spaces* Review
23-May	Final 7 AM - 10-AM Cumulative Chapters 1-12	Go to: Course Code:	pearsonmylabandmastering.com jones52904

5094	1723	Linear Algebra	Spring 2017
7:30-9		MML: jones52904	Math 5
Due	Sec.	Book Homework on top	Gr = BH+CH
24-Jan	1.1	pr.4,19,22,23	
26-Jan	1.2	3,7,14,25	
31-Jan	1.3	pr3,17,21,25	
31-Jan	1.4	13,15,18,20,32	
2-Feb	1.5	5,7,20,28	
7-Feb	1.7	9,23,36	
7-Feb	1.8	17,20,24,31	
9-Feb	1.9	17,25,35	
14-Feb		Test 1 Chapter 1	
23-Feb	2.1	9,17,21	
23-Feb	2.2	8,14,22	
28-Feb	2.3	5,16,24	
2-Mar	2.8	15,23	
2-Mar	2.9	9,19	
7-Mar	3.1	20,38	
9-Mar	3.2	5,11,34	
14-Mar	3.3	7,14,17	
16-Mar	Test 2	Test 2 Chapter 2-3	
30-Mar	4.1	20,31,32	
4-Apr	4.2	12,30,33	
6-Apr	4.3	21,31,32	
11-Apr	4.4	13,23	
13-Apr	4.5	7,13,30,31	
13-Apr	4.6	2,13	
18-Apr	5.1	4,19,25	
20-Apr	5.2	9,17	
25-Apr	5.3	5,18	
25-Apr	5.4	24,29,31	
27-Apr	Test 3	Test 3 Chapter 4-5	
17-Apr	6.1	24,29,31	
17-Apr	6.2	25,26,32	
19-Apr	6.3	7,16	
19-Apr	6.4	17,18	
24-Apr	6.7	13,14	
26-Apr	7.1	7,15	
24-May	FINAL	Cumulative, Chapter 1-12, 7 AM- 10 AM	

MyLab & Mastering
Student Registration Instructions

To register for Math 5 Linear Algebra Jones Spring 2017

1. Go to pearsonmylabandmastering.com.
2. Under Register, click **Student**.
3. Enter your instructor's course ID: jones52904, and click **Continue**.
4. Sign in with an existing Pearson account or create an account:
    · If you have used a Pearson website (for example, MyITLab, Mastering, MyMathLab, or MyPsychLab), enter your Pearson **username** and **password**. Click **Sign in**.
    · If you do not have a Pearson account, click **Create**. Write down your new Pearson username and password to help you remember them.
5. Select an option to access your instructor's online course:
    · Use the access code that came with your textbook or that you purchased separately from the bookstore.
    · Buy access using a credit card or PayPal.
    · If available, get 14 days of temporary access. (Look for a link near the bottom of the page.)
6. Click **Go To Your Course** on the Confirmation page. Under MyLab & Mastering New Design on the left, click Math 5 Linear Algebra Jones Spring 2017 to start your work.

Retaking or continuing a course?
If you are retaking this course or enrolling in another course with the same book, be sure to use your existing Pearson username and password. You will not need to pay again.

To sign in later:
1. Go to pearsonmylabandmastering.com.
2. Click **Sign in**.
3. Enter your Pearson account username and password. Click **Sign in**.
4. Under MyLab & Mastering New Design on the left,
click Math 5 Linear Algebra Jones Spring 2017 to start your homework.

Additional Information
See **Students** > **Get Started** on the website for detailed instructions on registering with an access code, credit card, PayPal, or temporary access.