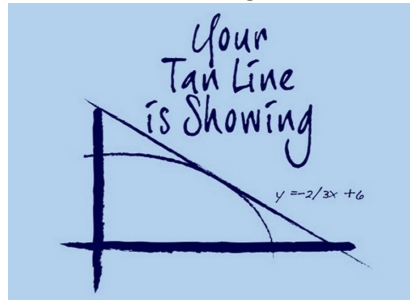


MATH 270-04/SECTION 3060

Linear Algebra



When: 3:30PM-5:20PM

Where: SAN501

Instructor: Shannon Gracey

Office Hours: Monday and Wednesday 3:00PM – 3:30PM and 5:20-5:50 at the cafeteria on the San Elijo campus, or you can make an appointment using the contact information below.

Office Room: Oceanside Campus T538

Phone: 760 – 757 – 2121 x 6306 E-mail address: smyers@miracosta.edu

Course Description: This course introduces students to the concepts of linear algebra. Topics include matrix algebra, Gaussian elimination, determinants of a matrix, properties of determinants, vector, spaces and their properties with an introduction to proofs, linear transformations, orthogonality, eigenvalues and eigenvectors, and computational methods.

Student Learning Outcome:

1. For a given set of problems the student will demonstrate quantitative reasoning by developing a problem-solving strategy, performing appropriate analysis and computation, and critically assessing the meaning of the conclusion or outcome.

MCC Institutional Student Learning Outcomes:

Effective Communication, Professional and Ethical Behavior, Critical Thinking and Problem Solving, Informational Literacy, and Global Awareness

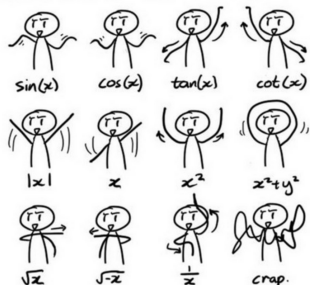
Prerequisite: MATH 260 with a grade of "C" or better, or MATH 155 with a grade of "C" or better and **concurrently enrolled** in MATH 260.

Academic Accommodations: Students with disabilities, whether physical, learning, or psychological, who believe that they may need accommodations in this class, are encouraged to contact Disabled Students Programs and Services as soon as possible to ensure that such accommodations are implemented in a timely manner. Their phone number is 760-795-6658.

Required Texts:

1. Math 270 Guided Notebook by Shannon Myers (it may be listed under Shannon Gracey). You may purchase the notebook at the bookstore or download it for free at <http://mathchick.net/SWC/MATH%20270/Myers%20-%20Math%20270%20-%20Guided%20Notebook%20-%20SP17.pdf>.
2. WebAssign. We are piloting WebAssign for this section, so the online text and homework is free☺. I may ask that you complete a survey about your experience at the end of the semester.

Beautiful Dance Moves



Calculator: A graphing calculator is REQUIRED for this course. Calculators that perform symbolic differentiation and integration may not be used. If you will be purchasing a calculator for this course, I strongly recommend the TI-84. A TI-84 will be used in the lectures. Only the TI-83 or 84 will be allowed on tests. **Not all tests allow the use of a graphing calculator.**

Attendance: Each student is responsible for his/her registration in classes. Each student must attend the first class meeting or make arrangements with the instructor if he/she is going to be absent. Failure to attend the first class meeting or excessive unexcused absences, that is, more than 8 hours of missed class time, may result in a student being dropped from this class.

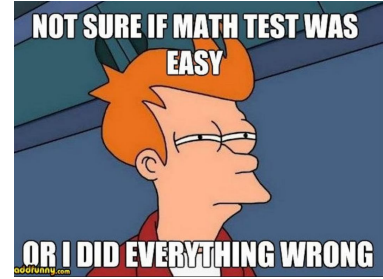
Questions: Questions are an important part of the learning process. If you have a question, please feel free to ask at any time. If *you* have a question, there are probably *at least* 5 other students with the same question. If I cannot answer your question immediately, I will come back to it ASAP.

Tutoring: The Tutoring & Academic Support Center (TASC) is committed to enhancing student retention and success by providing assistance to students through innovative academic support services. TASC offers a comprehensive, free peer tutoring program for any student enrolled in credit courses at MiraCosta College. Tutoring is available in the Library and Information HUB on the 1st Floor.

Academic Honesty: I fully support MiraCosta College's belief that academic honesty is a cornerstone of the educational community. To that end, I expect academic honesty from my students. Students who bring unauthorized material to a test/quiz or copy from someone else's test/quiz will receive a zero on the test/quiz.

Grading Policy: Your grade will be determined by comparing your points to the total number of points possible. The following grading scale will be used to determine letter grades:

- A = 90 - 100%
- B = 80 - 89.9%
- C = 70 - 79.9%
- D = 60 - 69.9%
- F = below 60%



Grades will be based upon the following components:

Tests: 3 Tests will be given; worth 55% of total grade.

- | | |
|-----------------------------------|------------------------------------|
| Exam 1: Wednesday, 2/22/17 | Material covered: 1.1-1.3, 2.1-2.5 |
| Exam 2: Monday, 4/3/17 | Material covered: 3.1-3.4, 4.1-4.7 |
| Exam 3: Monday, 5/1/17 | Material covered: 5.1-5.4, 6.1-6.4 |

Homework: WebAssign (10%), Textbook Assignments (5%) and Octave Assignments (10%); for a total of 25% of your grade.

1. WebAssign Homework: Your class key is **miracosta 2421 6615**. Assignments are due weekly, on Sundays.
2. Textbook Homework Exercises: Homework will be due on exam days. I encourage you to collaborate with your classmates on these homework problems. Late homework will not be accepted. You will only receive credit for problems that are completed correctly. You must show your work in order to receive credit. **You will show the overall percentage of problems completed correctly on the first page** of your **stapled** homework.
Numerator: # of problems in all sections completed correctly
Denominator: # of problems in all sections
3. Octave/MatLab Problems: During the semester, I will assign approximately 7 assignments that require you to use Octave or Matlab. The assignment list may be found at http://mathchick.net/SWC/MATH%20270/octave_assign_sp16.pdf and the due dates are on the tentative schedule on the last page of the syllabus.

Final Exam: The final exam will be worth approximately 20% of your grade. The exam will cover some material from the whole course, but will primarily cover

Chapter 7. **Final exam: Monday, 5/22/17 from 3:00PM-4:50PM in room SAN 501**

*If it is to your advantage, your lowest test score will be replaced by half of your score on the final (this includes one missed test, which counts as zero until replaced by half the score on the final).

Make-Up Policy: You may take a test early if circumstances warrant and if the test is available. Please check with me well in advance of the test date. If you miss an exam, contact me immediately. Make-ups will be given on a case-by-case basis. You may be required to provide verification.

GRACEY/MATH 270 SPRING 2017 TENTATIVE SCHEDULE

JANUARY	23	24	25	26
	Intro, Appendix A, 1.1		1.1-1.2	
JANUARY/ FEBRUARY	30	31	1	2
	1.2-1.3		2.1-2.2	
FEBRUARY	6	7	8	9
	2.2		OCTAVE #1 IS DUE	
			2.3	
FEBRUARY	13	14	15	16
	2.4		2.5	
FEBRUARY	20	21	22	23
	HOLIDAY		EXAM 1/CH. 1-2	
FEBRUARY/ MARCH	27	28	1	2
	3.1-3.2		OCTAVE #2 IS DUE	
			3.3-3.4	
MARCH	6	7	8	9
	3.4-4.1		OCTAVE #3 IS DUE	
			4.1-4.2	
MARCH	13	14	15	16
	4.3-4.4		OCTAVE #4 IS DUE	
			4.4-4.5	
MARCH	20	21	22	23
	SPRING BREAK			
MARCH	27	28	29	30
	4.6		4.7	
APRIL	3	4	5	6
	EXAM 2/CH. 3-4.7		5.1	
APRIL	10	11	12	13
	5.2		OCTAVE #5 IS DUE	
			5.3	
APRIL	17	18	19	20
	5.4		OCTAVE #6 IS DUE	
			6.2	
APRIL	24	25	26	27
	6.3		6.4	
MAY	1	2	3	4
	EXAM 3/CH. 5-6		7.1	
MAY	8	9	10	11
	7.2-7.3		OCTAVE #7 IS DUE	
			7.4	
MAY	15	16	17	18
	10.1-10.2		10.3-10.4	
MAY	22	23	24	25
	FINAL EXAM (3:00-4:50)			

Class Key: miracosta 2421 6615 (enroll in the 2-week trial until I receive your free code)



STUDENT

QUICK START GUIDE

This Quick Start Guide provides information to help you start using WebAssign.

ENROLL

Either your instructor enrolled you in a class and created a WebAssign account for you, or she gave you a class key to enroll yourself and create your own account, if needed.

I have a class key

1. Go to webassign.net/login.html and click **I Have a Class Key**.
2. Enter the class key your instructor gave you and click **Submit**.
3. If the correct class and section is listed, click **Yes, this is my class**.
4. Either provide your existing WebAssign account information or create a new account.
 - Select **I already have a WebAssign account**, enter your account information, and click **Continue**.
 - Select **I need to create a WebAssign account**, enter the requested information, and click **Create My Account**.

I do not have a class key

You are already enrolled and can log in with your WebAssign account.

LOG IN

Depending on your school, you might log in to WebAssign through a course management system, your school's authentication server, or at webassign.net/login.html.

LOG IN AT WEBASSIGN.NET

1. Go to webassign.net/login.html.
2. Type your **Username**, **Institution** code, and **Password**.
If you did not receive a password, click **Forgot your password** and create a password.
3. Click **Log In**.

IMPORTANT: The first time you log in, change your password.

PURCHASE ACCESS

WebAssign gives you free access for two weeks after the start of class. To continue using WebAssign after that, either enter an access code or purchase access online.

NOTE: An Access Code included with some textbooks verifies that you have already purchased WebAssign access.

I have an access code

1. Verify your access code at webassign.net/user_support/student/cards.html.
2. Log in to WebAssign.
3. Select **enter an access code**.
4. Select your access code prefix.
5. Enter your access code and click **Continue**.

I do not have an access code

1. Log in to WebAssign.
2. Select **purchase access online** and click **Continue**.
3. Select items to purchase, confirm any license agreements, and click **Enter payment information**.
4. Provide your payment and contact information to PayPal and click **Continue**.
5. Review your order and click **Complete purchase**.
6. Close your receipt and start working in WebAssign.

LEARN

Your current assignments are listed on the **Home** page for each class.

1. Click the assignment name.
2. Answer the assignment questions.
WebAssign supports many different question types. Some questions display a tools palette or open in a new window.
3. Submit your answers.
4. Review your marks and feedback.
Usually you will see ✓ or ✗ for each answer.
5. Change your incorrect answers and submit again.
6. When you are done, always click **Log out**.

SYSTEM REQUIREMENTS

WebAssign is tested and supported for the following web browsers:

Mozilla® Firefox® (38+)
Windows®, macOS™, Linux®
Internet Explorer® /
Microsoft® Edge (11+)
Windows
Google® Chrome™ (44+)
Windows, macOS
Apple® Safari® (8+)
macOS, iOS 8 or later on iPad®

BROWSER SETTINGS

Configure the following settings in your Web browser.

- Allow cookies and pop-up windows from webassign.net.
- If you are accessing WebAssign from Blackboard®, accept third-party cookies.
- Do not allow your browser to store your WebAssign password.
- **GOOGLE CHROME:** Enable Adobe® Flash® Player.

CUSTOMER SUPPORT

ONLINE:

webassign.secure.force.com/wakb2

CALL: 800.955.8275

The WebAssign Customer Support staff can **NOT**:

- change your username or password
- give extensions
- change your score
- give you extra submissions
- help you with the content of assignments

Contact your instructor for help with your grade or coursework.

PAYPAL SUPPORT

ONLINE: paypal.com

CALL: (402) 935-2050

MORE INFORMATION

Search the online help for answers to most questions:
webassign.net/manual/student_guide/