

Math 270– Linear Algebra (MiraCosta College) #3595

Instructor Information

Name:

Mr. Zyburt

jzyburt@miracosta.edu<http://www.miracosta.edu/home/jzyburt/>**Textbook:** Linear Algebra and its applications, 4th Edition, Lay, 2012Supplements: A First Course in Linear Algebra, Kuttler, 2017Linear Algebra, Hefferon, 3rd Edition, 2017

Student Learning Outcomes

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

Math 270:

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.

Required Materials

1. Calculator

Math 270: A graphing calculator is strongly recommended for this course. If you do not already have a graphing calculator, the Mathematics department recommends that you purchase a Texas Instruments TI-83 Plus or TI-84 graphing calculator. On those tests/quizzes where a calculator is permitted, the only allowed models will be the TI 83/84.

2. A notebook (Class Notebook) for note taking and working problems

You should treat this class as you would any other math class. Take notes in a notebook, work practice or homework problems on paper in an organized manner. I will typically check your notebook on the day of each exam. However, your notebook will be submitted to be graded at the completion of the course. Be sure to keep it clean, organized, and up to date.

Important Dates

Class Duration	1st day of Instruction	Last day of Instruction	Add Deadline	Deadline to drop class with no record & receive refund	Deadline to file for Pass/No Pass grading option	Deadline to drop with a "W" grade (withdraw)
1/27 – 6/10	1/27	6/4	2/24	2/24	3/10	5/1

Course policies

Grading: Each Module will have a collection of reading assignments, online homework problems, “show your work” questions, and a quiz. These are all due at the end of the module. I strongly encourage you to begin work on these modules immediately and work ahead (or at least stay pace with the instruction).

A	B	C+	D+	F
≥ 90% ≥ 900 pts	89% - 80% 899 - 800 pts	79% - 70% 799 - 700 pts	69% - 60% 699 - 600 pts	<60% < 600 pts

Gradebook Category	Category Weights
Homework (Hw)/ Reading Assignments(RA)/ Practice for Final (PF)	20%
Module Quizzes	40%
Show Your Work (SYW) Assignments	10%
Module Tests & Final Exam	30%

Instructor Drop Policy

Students may be dropped (up until the last day to drop that class) for the following reasons:

- Non-attendance
 - Missing two different Chapter Quizzes and/or Unit Tests may cause you to be dropped from the class without the possibility of being reinstated if the drop deadline has not yet passed.

Attendance

Students are strongly encouraged to attend the lectures (in google meet) with the video cams on (for more engagement) and microphone muted. This is the best way to stay on schedule, get a chance to ask questions and to actively participate in our class community. Even if the class format has changed, the basic principles of sound education have stayed the same. Please let me know if you cannot attend a scheduled class. I will provide the google meet notes for your reference and answer your questions during the office hours.

Academic Accommodations

If you have a disability or medical condition impacting learning and have not yet been authorized to receive academic accommodations, you're encouraged to contact the [Disabled Students Programs & Services \(DSPS\)](#) office at (760) 795-6658, or dsps@miracosta.edu. The DSPS office will help you determine what accommodations are available for you. If you are requesting my assistance utilizing any authorized accommodations, please contact me as early as possible in the semester.

College Support Services

The [Tutoring and Academic Support Center](#) (TASC), the [STEM Learning Centers](#), and the [Math Learning Center](#) are resources and tutoring services to students. Services are free and available to all students during day and evening hours.

Campus Assessment, Resources, and Education (CARE) Program

It can be difficult to be present and maintain focus if you have challenges meeting basic needs like a place to live, access to food, consistent transportation, and more. These challenges may impact your personal and academic success and we are here to help. Our Campus Assessment, Resources, and Education (CARE) Department aids with finding resources on and off campus to meet those basic needs. I urge you to speak with me so that I may submit a CARE referral on your behalf. You may also visit www.miracosta.edu/CARE or contact care@miracosta.edu for further support, resources, or information.

Math Learning Center (MLC) OPEN Hours for this semester*

The Math Learning Center will serve our students online with:

- drop-in and appointment-based tutoring,
- student "study" rooms for individual or group study - these are similar to the old physical layout of the STEM/MLC where students could gather to do homework and then ask questions when something came up,
- off-hours question drop-off through a discussion board in Canvas (see below for Canvas course link),
- and additional resources through the Student Support Hub to other tutoring support should the MLC be closed.

For the most current information including hours of service, please visit the [STEM/MLC website](#). Students are invited to visit and add the STEM/MLC Canvas course. The course is self-enrolling and students need only to click the link and join <https://miracosta.instructure.com/enroll/JW9D8P>

MLC Information

MLC Homepage	https://www.miracosta.edu/student-services/math-learning-center/index.html				
	Monday - Wednesday	Thursday	Friday	Saturday	Sunday (appointments only, drop-in, and general rooms are closed)
Online Hours	8:00 am – 9:00 pm	8:00 am – 8:00 pm	9:00 am – 3:00 pm	11:00 am – 4:30 pm	1:00 pm – 6:00 pm
Contact Information	miracostamlc@gmail.com For issues connecting with us online, please leave a voicemail with Scott Fallstrom (Faculty Director) and we will return your call 760.757.2121 x6501 (voicemail only).				

*These hours are subject to change. Please check in the MLC for any updated hours once the semester has begun

Counseling Services

The Counseling Center offers individualized academic, career, and personal counseling to assist both prospective and current students in developing their educational programs, coordinating their career and academic goals, and understanding graduation, major, certificate, and transfer requirements. The Counseling Center counselors and staff are working remotely to provide students with services through online appointments, online live chat, and email. To access online resources please visit [HERE](#)

Internet Access and Harassment

Parts of this class are conducted on the Internet, MiraCosta College supports academic freedom, and consequently, there are no filters or other controls placed upon access to electronic content, either on the Internet or otherwise. If you should find yourself subjected to offensive content, either sexual or otherwise, you should inform your instructor of this situation at the first opportunity.

Incomplete Grade

Students seeking an "Incomplete" grade must consult with me no later than the week prior to finals (5/17). Incompletes will only be considered for unforeseeable, emergency, and justifiable reasons at the end of the term, and only upon agreement of conditions for completing coursework.

Library Resources

The MiraCosta College faculty librarians assist students with their research questions, whether academic or personal. Students may obtain assistance from librarians online [HERE](#). I strongly encourage you to take advantage of library resources. More information regarding the library may be found at their webpage: <https://library.miracosta.edu/homepage>.

Academic Integrity

MiraCosta College highly values academic integrity. At the core, this means an honest representation of one's own work. MiraCosta College also promotes the approach that education is best accomplished as a cooperative, collaborative enterprise: we want you to work with and learn from each other. The line between academic integrity and collaborative education is not always easy to define and may vary from one discipline to the next and from one instructor to the next. Many aspects of cheating and plagiarism are universally recognized, while others are subject to debate. This policy provides some broad and general guidelines. Please ask me for clarification of any specific behavior.

Examples of academic dishonesty include but are not limited to:

Cheating: Copying from another student or using unauthorized aids during an examination.

Plagiarizing: Copying someone else's work or ideas and misrepresenting them as one's own.

Falsification: Making up fictitious information and presenting it as real or altering records for the purpose of misrepresentation.

Facilitation: Helping another student to cheat, plagiarize, or falsify.

Remedies for violations of academic integrity may include a verbal warning, a lowered assignment grade, submission of an Academic Integrity Report to the office of the Vice President of Student Services or designee, or even a recommendation to the Vice President of Student Services for suspension from the class for repeated or egregious offenses. For more information, consult the MiraCosta College Catalog under Student Rights and Responsibilities (Administrative Procedure VIII.E.02.c).

****Students found cheating on any Quiz, Test, or Final Exam will receive a zero (0 points = 0%) on that particular assignment and will not have the ability to drop that score in consideration to the Final Course Grade, not be able to re-take the assessment, or not be allowed to make-up the assignment at a later date.****