



linear algebra i

math 265
4 credits

hertz 104
mtwth - 9:00am

text:
anton, howard. 2014. *elementary linear algebra, 11th ed.*
new york: john wiley & sons, inc.

course description:

there are some links in the left sidebar of this page. take the time to explore what some people in other universities are interested in. there are other possibly useful links back at my [home page](#).

this quarter we will cover most of the following in our text:

- ch. 1: systems of linear equations and matrices. sections 1.1-1.6
- ch. 2: determinants. sections 2.1-2.3
- ch. 3: euclidean vector spaces (brief review as needed)
- ch. 4: general vector spaces. sections 4.1-4.10
- ch. 5: eigenvalues and eigenvectors. 5.1
- ch 8: linear transformations. sections 8.1-8.5

evaluation:

your grade will be determined by two midterms (30% ea.) and a final examination (40%). the first midterm will take place (and be graded) before the deadline for dropping the class. grades will be assigned on a 90%-80%-70%-60% scale. i do give A-'s, B-'s, and C-'s. occasionally, the lines between A-/B+, etc. are lowered, but **never** raised. in other words, if your average is 90% then you will receive some sort of an 'A.'

i collect selected homework assignments and we will have several unannounced, but straight-forward, quizzes to help you see where you stand regarding the content of the course.

if you have any questions or comments, feel free to come by my office or e-mail me at the address below.

student learner outcomes

the most important things you learn in school are not going to be measurable, sorry. in fact, the absolute best service a list of 'student learner outcomes' could possibly provide is as a random sample of behavioral objectives. that said, at the end of this course, you will have a reasonable facility (as measured by the evaluation procedures described above) in manipulating matrices, as well as the structure of a vector space and linear transformations. By the way, when we use the phrase 'elementary linear algebra' to describe this course, the word 'elementary' should not be confused with 'simple.'

fun with influenza

if you have a severe respiratory or influenza-like illness (ILI) (high fever, aches, chills, cough) **you should not come to class until you are without fever for 24 hours without the aid of fever-reducing medication.** if your absences are related to a severe respiratory or flu-like illness, you will be given the opportunity to make up your assignments and class content without penalty. it is your responsibility to notify your instructor *in advance* when absent due to the flu. faculty is under no obligation to excuse class absences related to sickness. If you are pregnant, work with your instructor to prevent exposure to influenza. you should utilize the following precautions to prevent exposure:

- 1) frequent hand washing and carry a bottle of alcohol-based hand sanitizer with you at all times.
- 2) cough etiquette (grab your shoulder and cough into your elbow).
- 3) place used tissues immediately in the trash, followed by washing your hands.
- 4) use [CDC](#)-approved disinfectants on shared surfaces such as doorknobs, desks, etc.
- 5) Stay home if you have a severe respiratory or flu-like illness.

If you are concerned you may have seasonal influenza, notify student health. plan for potential absences and assure you have access to the internet and blackboard for assignments. regardless of your flu status, you must complete the requirements of the course to receive a passing grade.

note

students with disabilities who wish to set up academic adjustments in this class should give me a copy of their *confirmation of eligibility for academic adjustments* from the disability support services office so that we can meet in order to discuss how the approved adjustments will be implemented in this class. students with disabilities without this form should contact the disability support services office, bouillon 205 or dssreceipt@cwu.edu or 963-2171 as soon as possible.

no, no, no!

no late assignments, no early tests, no late tests, no make-up tests (including finals ... be there).



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hours:
m,w,f 2:00pm
else, by appointment, gleefully accepted.

links:

- [list of homework/topics](#)
- [newton.org.uk](#) - all the news that's fit to print about sir isaac.
- [history of mathematics web resources](#)
- [where is your birthday in pi?](#)
- [yoga and meditation techniques](#) - you may need it by the time we're done.