

COURSE INFORMATION	Location: MTH 215 Class Times: MWF 12:00-12:50 Instructor: Dr. Karl Frinkle Office: MTH 112 Office Hours: MW 9:00–9:50, 11:00–11:50, 13:00–13:50, F 9:00–9:50, 11:00–11:50, TR by appointment only Office Phone: (580) 745–2028 E-mail: kfrinkle@se.edu Website: http://homepages.se.edu/kfrinkle
TEXT	<i>Principles of Linear Algebra with Mathematica</i> , by Kenneth Shiskowski and Karl Frinkle, ISBN # 978-0-470-63795-1
SOFTWARE	A requirement for this course is <i>Mathematica</i> . The computer lab in the Mathematics building has <i>Mathematica</i> installed on it. If you wish to purchase <i>Mathematica</i> for your own personal machine, a student version is available at a reasonable price.
COURSE OBJECTIVES	This course will introduce the student to the fundamentals of linear algebra, its applications and some of the computational aspects of the subject. We will cover such topics as linear systems, Gauss-Jordan elimination, matrices, basic vector spaces, applications to geometry and much, much, more.
COURSE OUTLINE	<p>There will be reading assignments each day, you may be quizzed on what you are to have read for any given class. Please refer to the <i>schedule.pdf</i> for an outline of what we will cover.</p> <p>Many days the instructor will lecture. In addition to standard lectures, we will attempt to get familiar with <i>Mathematica</i> in the classroom. Some classes will be dealing strictly with <i>Mathematica</i> and how it can be used in regards to linear algebra. Many problems will not be easily solved by hand, and <i>Mathematica</i> will play an important part in approaching these problems. An ideal scenario is having lecture days on Monday and Wednesday, with Friday devoted to <i>Mathematica</i>. Programming with <i>Mathematica</i> will also be an important part of this course, and may even be part of your homework assignments, which are to be handed in on a regular basis.</p> <p>Lastly, there will be four exams, three during the semester, and a cumulative in-class final. The final exam will be given during the regularly scheduled time, which is Monday, May 5th from 14:00-16:00.</p>
GRADES	Your final grade will be based upon the following items <ul style="list-style-type: none">• 15% - Reading/Problem Quizzes• 15% - Written Homework• 15% - <i>Mathematica</i> Assignments• 30% - Three in-class exams.• 25% - Final Exam
POLICIES	<p>You will not be able to make up a quiz or receive credit for any other assignment which you missed the deadline for unless you notify me ahead of time. Given prior notification of an absence, I will ensure that you can take the quiz or hand in your homework at a more convenient time.</p> <p>Cheating will not be tolerated in any shape or form. If you are caught cheating, it will be reported to the appropriate academic offices, and appropriate action will be pursued and you will fail the</p>

course.

All cell phones, pagers, CD players, and other electronic devices must be turned off and put away before class begins. If you are caught using a cell phone or any other electronic device during class, your final grade will be dropped by **one letter grade per incident**. The only exception to this rule is when we use *Mathematica* in class. In this instance, you will be allowed to use laptops in class. It is also expected that everyone will behave in a kind and courteous manner towards fellow students and the instructor.

I reserve the right to change any policies as I see fit to ensure that you are indeed receiving the best possible education that I can give you in the subject matter at hand. If I feel a certain aspect of the course does not appear to be effective in its method, I will attempt to change it (for the better I hope). All changes will be made in writing.

IMPORTANT DATES
FOR SPRING 2015

- 2015.01.12 - Classes begin
- 2015.01.16 - Last day to enroll in or add classes
- 2015.01.16 - Last day to drop a class with no grade record
- 2015.01.16 - Last day to drop a class with refund/no charges
- 2015.01.19 - Martin Luther King Jr Day (no class)
- 2015.03.04 - Assessment Day
- 2015.03.06 - Last day to drop a class with automatic 'W'
- 2015.03.16-20 - Spring Break
- 2015.04.01 - Last day to complete final application for graduation
- 2015.04.03 - Easter Holiday
- 2015.04.10 - Last day to drop a class
- 2015.05.08 - Classes end

SPECIAL
ACCOMMODATIONS

Any student needing special accommodations due to a disability should contact the Coordinator for Disability Services, GDJ Student Union, Suite 328 or call (580) 745-2392 (TDD# 745-2704). It is the responsibility of each student to make an official request for accommodations to the Coordinator.

AT-RISK STUDENTS

Any student experiencing mental or emotional issues who desires free, confidential, clinical counseling is encouraged to contact the SE Counseling Center at (580) 745-2988 to schedule an appointment during normal working hours Monday - Friday, 8:00 AM to 5:00 PM. For after hours mental health emergencies, please call SE Campus Police at (580) 745-2911 or the Mental Health Crisis Hotline at 1-(800)-522-1090.