Instructor: Dr. Karen Braman  
Office: M 203C  
Phone: 355-3459  
Email: karen dot braman at sdsmt dot edu  
Math Dept: M 308 (394-2471 – you can leave me a message here)  
Webpage: www.mcs.sdsmt.edu/kbraman

Desire2Learn Portal: https://d2l.sdbor.edu/index.asp

Lecture Hours: 12:00 – 12:50 pm, M W F, M 306  
Required Text: Linear Algebra, a Modern Introduction,  Second Edition  
David Poole

Office Hours: 1:00-2:00pm, MTW F or by appointment.

Feel free to stop by my office at other times as well. My schedule (http://www.mcs.sdsmt.edu/kbraman/Schedule.pdf) is posted on my office door and available on the class D2L website. If you’re having trouble finding me outside of class, talk to me just before or after class or send me an email. I will find a time that works for both of us!

Course description: Theory and applications of systems of linear equations, matrices, determinants, vector spaces, linear transformations, and applications. Specifically, we will cover chapters 1-5 and topics from chapters 6 and 7.

Prerequisites: Math 225 or permission of instructor.

Electronic Devices Policy: Please turn off your cell phone before class starts. No text messaging in class. No headphones. No other use of any other electronic/computer media is allowed during class time without Dr. Braman’s approval.

Instructional Methods: This course will be primarily lecture/discussion. Time will be allowed at the beginning of most days to answer a few questions before presenting new material. You will get the most out of the class time if you read the assigned section BEFORE class.
Homework and Quizzes: Homework will be assigned for each section of the text as it is covered. I encourage you to keep up with the homework. Working problems is essential to mastering this material.

Homework will be collected (most) Mondays at the beginning of class. Selected problems will be graded, but I will not announce which ahead of time. If you can, I highly recommend getting together with other members of the class to work on the homework assignments.

Format for homework:

- Single sided
- Written neatly (ink preferred) or typed (see me if you are interested in learning LaTeX, a very powerful math editing language)
- No paper torn from spiral notebooks – clean edges only
- Cover sheet with name, date, assignment #, list of problems
- Stapled in upper left corner
- Each problem clearly labeled and stated
- First assignment not conforming to this format will receive a warning, second will receive a zero.
- You may also submit your homework via email to Karen.Braman@sdsmt.edu. Check with me if you would like to use this option.

Occasionally quizzes will be given in class. These cannot be made up.

Exams: Three one-hour long exams will be given during class time:

- Exam 1: Friday, Feb 12
- Exam 2: Wednesday, Mar 17
- Exam 3: Friday, Apr 9

Makeups: If you must miss an exam for a legitimate reason AND notify me before the exam/due date, you may:

1. makeup the exam at 7am on the Thursday of the same week as the missed exam or
2. count the grade for the final exam out of 300 points instead of 200.

If you miss an exam without a legitimate reason or if you do not contact me ahead of time, you will receive a zero. Do not expect to make up for missing assignments by doing extra work at the end of the semester.

Final Exam: The final is scheduled for May 5th, 8:00-9:50 am. Please note that the department has a strict No Early Finals policy so make any travel plans accordingly.
Grading:  

Homework and quizzes                                150 pts  
3 in-class exams @ 100 points each            300 pts  
Comprehensive Final Exam                           150 pts  
Total                                                600 pts  

All points carry the same weight. Course grades will be determined according to the following percentage scale:

90-100  A          80-89  B          70-79  C          60-69  D          0-59  F

It is possible that this standard may be lowered, but it will not be raised.

Keys to Success: The keys to success are simple concepts, but are important enough to state.

- Attend and participate in class.
- Keep up with the homework and the lecture.
- Read the text.
- If you don't understand something then ask questions; go to office hours.
- Set aside plenty of time to study for exams.

What not to do....

- Do not arrive late. It is best to have a seat by 5 mins prior to the hour. Learn how long you'll need to find parking and/or walk to class at the start of the semester.
- Do not leave early. Do not start to pack up your notes and books prior to 10 before the hour, unless we're clearly finished with class early. Exceptions: if you let me know before class that you will need to leave, or you have a genuine emergency.
- Do not talk to other students in class while I'm lecturing. If someone else around you talks too much, please let me know!
- Do not attend to paperwork, homework, or other work that distracts from listening to the lecture.
- Do not eat or chew gum in class. Safely sealed drinks (e.g. coffee cups with lids or water bottles) are OK to bring.
- Do not read papers, listen to music, sleep, send text messages or email or surf the web in class.
- Turn off mobile phones when in class. Nobody else wants to hear your phone. If a cell phone or other electronic device disrupts class, then the owner will sacrifice their highest homework/quiz score for each offense or pay a fine. The fine for electronic device disruption is the purchase of cookies/snacks for the entire class. (This happens to be similar to a policy used at the state legislature.) Exceptions: if you must remain available for a child or other dependent, please let me know in advance, and set your phone to a silent vibrating call alert.
• Do not come to class if you are too tired, ill, injured, depressed, hung over, etc. to pay attention properly. Get your rest and stay healthy. Come to class well-fed with a decent meal that will not make you suffer a hypoglycemic blood sugar crash halfway through class. Your brain needs a good, steady supply of protein and complex carbohydrates. **SDSMT is not free.** Why waste the money by not getting much as you can out of lecture?

**What to do....**

• Be prepared. **Read the text before class.**
• Stay focused. Don't bring in the other worries and distractions of life. You can't solve them while you are in class, so you might as well focus.
• Be inquiring. Keep "what", "how" and "why" in your head and ask questions. Search for additional sources on the web.
• Follow a schedule. This will keep you consistent and reduce the pretest panic.
• Be proactive. Start on projects right when they are assigned, even if you are very busy. Organize a study group.
• Take notes. Decide before class start how you plan to do this. Get the supplies prior to class. Notes don't have to be extensive to be useful. They are not a transcription of the lecture; but a short hand to remember the lecture. The text contains the details, so sparse notes allow for thinking during the lecture.
• Take care of yourself. Exercise and real food [not fast or fried food] will make a difference in long term performance.

**Academic Honesty and Integrity:** All students will be held to the institutional standard for academic honesty and integrity. The following are the relevant sections taken from the student handbook (SD Policies and Procedures):

Acts of academic dishonesty will include, but are not limited to, the following:

• Cheating, which is defined as, but not limited to, the following:
  o Use or giving of any unauthorized assistance in taking quizzes, tests, or examinations;
  o Use of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; or
  o Acquisition, without permission, of tests or other academic material belonging to a member of the institutional faculty or staff.
• Plagiarism, which is defined as, but is not limited to, the following:
  o The use, by paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgement consistent with accepted practices of the discipline;
  o The unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.
• Other forms of dishonesty relating to academic achievement, research results or academically related public service;
• Furnishing information known or believed to be false to any institutional official, faculty member or office;
• Forgery, fabrication, alteration, misrepresentation or misuse of any document, record, or instrument of identification, including misrepresentations of degrees awarded or honors received;

**Cheating:** If you cheat on a test or assignment, you may fail the course. At the very least, you will get a **negative score** on that test or assignment since cheating is worse than doing nothing. Discussing a problem with other students is a valuable learning tool, copying someone else’s work is not.

**Resources:**

• Your instructor (please come see me!)
• Other students in class – try to work on homework problems together. It really helps!
• Tech Learning Center (TLC) in Devereaux Library.

**Continued registration for this course implies acceptance of the preceding policies.**

**ADA statement:** Students with special needs or requiring special accommodations should contact the instructor, (Dr. Braman, at 355-3459) and/or the campus ADA coordinator (Jolie McCoy, at 394-2416) at the earliest opportunity.

**Freedom in learning:** Under Board of Regents and University policy student academic performance may be evaluated solely on an academic basis, not on opinions or conduct in matters unrelated to academic standards. Students should be free to take reasoned exception to the data or views offered in any course of study and to reserve judgment about matters of opinion, but they are responsible for learning the content of any course of study for which they are enrolled. Students who believe that an academic evaluation reflects prejudiced or capricious consideration of student opinions or conduct unrelated to academic standards should contact the dean of the college which offers the class to initiate a review of the evaluation.