

MA 322: Matrix Algebra and its Applications, Section 1  
Fall Semester 2016

Time: MWF 11:00-11:50 am

Location: Room CB 335

### General information

Instructor: David Murrugarra  
Email: murrugarra@uky.edu  
Website: <http://www.math.uky.edu/~dmu228/>  
Phone: (859) 257-4734  
Office: 771 Patterson Office Tower  
Office hours: (subject to change!) WF 4:00 - 5:00 pm and by appointment  
Text: *Linear Algebra and its applications (fourth edition)*,  
by David C. Lay. ISBN-13: 978-0321385178.  
Note: I will post all course material on Blackboard.

### Grading Policy

Final grades will be determined by the following distribution:

	Points	Percent
Homework and Attendance	60	20%
Tests	150	50% (25% each)
Final exam	90	30%
Total	300	100%

### Grading Scale

Final grades: In general, a 10 point scale is used.

Grade	Points	Percent
A	270-300	90%-100%
B	240-269.9	80%-89.9%
C	210-239.9	70%-79.9%
D	180-209.9	60%-69.9%
E	0-179.9	0%-59.9%

### Tests

There will be two tests during the term, each counting 25% of the final grade, i.e., altogether, these two tests will count for 50% of the final grade. Make-up exams will be given only for (1) official representation of the University, and (2) documented medical

emergencies requiring hospitalization. Notice of being seen at the Student Health Center is not accepted as documentation. Unexcused absences will result in a zero score.

- **Test 1**, Wednesday, Feb 18, 11:00-11:50 AM, Room CB 335.
- **Test 2**, Friday, April 10, 11:00-11:50 AM, Room CB 335.

### Homework:

20% of the final grade will be determined by online and written homework and attendance. Students are strongly encouraged to collaborate with other students on homework problems but must write up their solutions independently.

- **Web Homework:** Online homework assignments may be found on Webwork. Due dates are given in the Course Schedule. Under exceptional circumstances, students may be granted an extension on homework and will be asked to turn in written homework with complete solutions in lieu of submission on Webwork.
- **Written Homework:** Written homework assignments will be posted on Blackboard. Homeworks are to be turned on due dates given on Blackboard. No late homework will be accepted.

### Final Exam

The final exam will be given on Wednesday, May 6 at 10:30 am. This exam will be cumulative and will count for 30% of the final grade.

### Attendance

Attendance is required and class participation is encouraged. Any student who misses a class meeting is responsible for any assignments and/or announcements made. Office hours will not be utilized to re-teach material presented in class. However, questions to better understand the course are always welcome.

- The "Homework and Attendance" part of your course grade is computed as follows:

4 written homework	20 points
Webwork assignments	20 points
Lecture attendance (40 lectures)	20 points
Total	60 points

- Lecture attendance is based on sign-in sheets each day in lecture beginning with the February 6 lecture and continuing until the end-of-term.
- Excused absences will not be counted against the attendance grade.

## Midterm Grade

Your midterm grade will be posted by March 13 and is for your information only (it does not appear on your transcript). It will be computed as follows:

- Test 1 75 points, (75%)
- Homework/Attendance 25 points, rescaled, (25%)

Letter grades will be determined as follows:

Grade	Points	Percent
A	90-100	90%-100%
B	80-89.9	80%-89.9%
C	70-79.9	70%-79.9%
D	60-69.9	60%-69.9%
E	0-59.9	0%-59.9%

## Excused Absences

University Senate Rule 5.2.4.2 defines the following acceptable reasons for an "excused absence" from class:

- Serious illness (must be documented by doctor's excuse)
- Illness or death of a family member
- University-related trips (must be documented by a letter from sponsor)
- Major religious holidays
- Other circumstances that your instructor finds to be "reasonable cause for nonattendance"

Students should notify the instructor of an excused absence prior to the absence whenever possible and complete all work prior to the absence (unless for illness or for the illness or death of a family member).

## Laptops, cell phones, PDAs

All use of cell phones is prohibited during lectures. Cell phones, laptops, and PDAs will not be allowed during exams.

## **Student Support**

There are two main sources for you to get help.

First and foremost are your fellow classmates. I encourage you to work together on your homework as well as studying and learning the material in groups. The second source is your instructor. The instructor holds regularly scheduled office hours, and students are strongly encouraged to drop by for help. Come sooner rather than later. Experience shows that some UK students are reluctant to ask for help as if something they never had to do in high school. Don't fall into this trap. The Mathematics Department wants every student to succeed and we will help you if you make the effort.

## **Additional Resources**

In addition to the textbook, lectures, and office hours there are other resources available that might be of use for you during the course. There is the Mathskeller, CB 063, M-F, 9-5, <http://www.mathskeller.com>.

## **Academic integrity**

You should feel free to study with friends, but any work you submit for a grade should be your own work. This applies to all exams, quizzes, and writing assignments, with the exception of any assignment that is specifically designated as a group assignment.

Academic dishonesty, in any form, will not be tolerated. This includes, but is not limited to, copying a classmate's work, allowing a classmate to copy your work, modifying an exam after it has been handed back in an attempt to deceive the instructor into believing the assignment was graded incorrectly. A student found guilty of academic dishonesty will receive an automatic E on the assignment, and in some cases the offense may lead to an E for the course, academic probation, or even expulsion. See sections 6.3.1 and 6.3.2 at [www.uky.edu/StudentAffairs/Code/part2.html](http://www.uky.edu/StudentAffairs/Code/part2.html) for more information regarding academic integrity.

## **Disability Accommodations**

If you have a documented disability that requires academic accommodations, please see me as soon as possible during scheduled office hours. In order to receive accommodations in this course, you must provide me with a Letter of Accommodation from the Disability Resource Center (Room 2, Alumni Gym, 859 257 2754, email address [jkarnes@email.uky.edu](mailto:jkarnes@email.uky.edu)) for coordination of campus disability services available to students with disabilities.

## **Classroom Behavior, Decorum, and Civility**

I expect that you will not only attend class, but that you will participate in class. I expect that you will be respectful of yourself and others. Please turn off your cell phones when

you enter class. Please do not work on other classes during class. Please do not surf the internet during class. Please do not read the newspaper during class, work on Sudoku, etc. during class. Please do not talk or whisper during lecture unless the instructor has given you the floor. In a classroom it is difficult for other students and the instructor to hear if there are several little conversations taking place at the same time.

The university, college and department has a commitment to respect the dignity of all and to value differences among members of our academic community. There exists the role of discussion and debate in academic discovery and the right of all to respectfully disagree from time-to-time. Students clearly have the right to take reasoned exception and to voice opinions contrary to those offered by the instructor and/or other students (S.R. 6.1.2). Equally, a faculty member has the right—and the responsibility—to ensure that all academic discourse occurs in a context characterized by respect and civility. Obviously, the accepted level of civility would not include attacks of a personal nature or statements denigrating another on the basis of race, sex, religion, sexual orientation, age, national/regional origin or other such irrelevant factors. Students who are not respectful, not civil, or disruptive in any way may be asked to leave the class.