

**Spring 2013 - Math 461**  
**Linear Algebra for Scientists and Engineers**

**Lectures:** MWF 2:00pm - 2:50pm (ARM 0126)

**Instructor:** Prof. A. Mellet  
Office: Math Building 3314  
Email: mellet@math.umd.edu

**Course web page:** Lectures schedule, homework and Matlab assignments, as well as other important informations regarding the class will be posted on the course web page:

<http://www.math.umd.edu/~mellet/math461>

**Text and Course Materials:**

Lay, *Linear Algebra and Its Applications*, 4th Edition, Addison-Wesley.

**Exams:** There will be three midterm exams and one final exam. The midterm exams will be held during the lecture sessions on the following dates:

Midterm 1: Monday February 18th

Midterm 2: Monday April 1st

Midterm 3: Monday May 6th

The Final exam will take place on Wednesday, May 15, 1:30-3:30 pm.

**Homework:** Success in the course is highly correlated with regular attendance and punctual completion of homework. The lecture schedule/homework assignment web page lists the due dates for each assignment. Homework should be written neatly and are to be turned in at the end of discussion session on their due date (I recommend doing homework problems daily at the same pace as the lectures).

You may consult other students regarding your homework, but the final write-up should be done on your own (in other words, no copying). Copying solutions from each other violates University of Maryland, College Park's Code of Academic Integrity and is strictly prohibited.

You must write your name, and section number at the top of each homework. The papers must be stapled. Loose papers cannot be accepted. If you expect to miss a discussion session, you may give your homework to a classmate to turn in.

**NO LATE HOMEWORK WILL BE ACCEPTED.** However, the three lowest homework grades will be dropped.

**MATLAB:** There will be 5 MATLAB assignments, to be handed in discussion session. The assignments and their due dates are posted on the course web site and you are responsible for downloading the assignments and completing them by their due date.

You are encouraged to work in groups of two students (at most) registered in the **SAME SECTION**. Of course, you may also work alone. Each group will hand in just one copy of the assignment (it is understood that both students in the group will contribute significantly to the assignment). Your completed assignment should include a printout of relevant computer input and output, as well as any additional analysis of the problem that may be required.

For information on software, tutoring and locations see the Math. Dept. resources page <http://www-math.umd.edu/undergraduate/resources.html>

**Grading Scheme:** Your final grade will be computed as follows:

Midterms	50% (20% each – The lowest midterm grade will count for 10%)
Final	30%
Homework	10%
Matlab	10%

**Exam Policy:** There will be **NO make-up exams**. The weight of a missed exam will be shifted to the final in the following exceptional circumstances: (a) Absence due to religious observance (when the nature of the observance prevents the student from being present during the exam - if that is the case, the student should notify the instructor during **the first week of class**). (b) Participation in university activities at the request of university authorities. (c) Illness of the student (in which case the student should notify the instructor within **48 hours** of the exam). It is the university policy that the student must provide documentation of illness indicating the dates the student was unable to meet academic responsibilities and **signed by a health care professional**.

**Appeal:** You may appeal the score you receive on a midterm by submitting your exam together with a note stating which problems you wish to have regraded. I reserve the right to regrade other problems as well (and your grade might be changed downward if appropriate). For all midterms, an appeal must be made within two weeks of the day the midterm took place. No appeal will be considered after that deadline.

**Email:** When writing an email, you must include your course number, section and name in the message. Also, because I receive hundreds of emails, I may not have time to respond to some simple email questions whose answers can be found by other means (such as going to class or looking at the course web page). If you miss a class, you should get the notes from another student in the class. Of course, if you are missing class for an extended time (such as illness or other serious problem), you should contact me as soon as possible.

**Academic Integrity:** You are expected to read carefully and adhere to the following instruction provided by the Student Honor Council:

The University of Maryland, College Park has a nationally recognized Code of Academic Integrity, administered by the Student Honor Council. This Code sets standards for academic integrity at Maryland for all undergraduate and graduate students. As a student you are responsible for upholding these standards for this course. It is very important for you to be aware of the consequences of cheating, fabrication, facilitation, and plagiarism. For more information on the Code of Academic Integrity or the Student Honor Council, please visit <http://www.shc.umd.edu>. To further exhibit your commitment to academic integrity, remember to sign the Honor Pledge on all examinations: *I pledge on my honor that I have not given or received any unauthorized assistance on this examination (assignment).*

You will not be asked to sign such a pledge on homework and matlab assignments, but you are nevertheless expected to adhere to the principles of the pledge. The rationale for the pledge is available online at <http://www.umd.edu/honorpledge>.

All cases of academic dishonesty will be referred to the Dean of Students Office.

**Students with disabilities:** The University of Maryland provides upon request appropriate academic accommodations for qualified students with disabilities. Please see me immediately if you require such accommodation (do not wait until the day before the first exam).