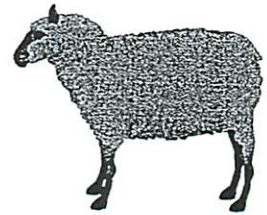
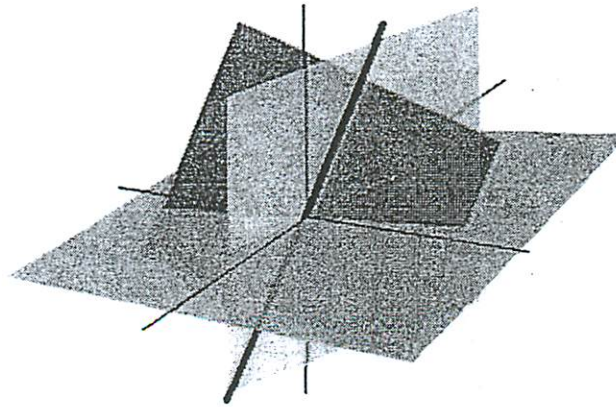
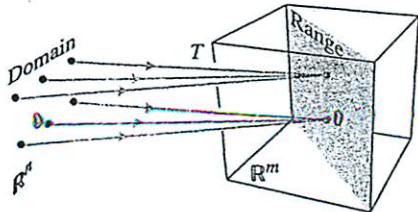
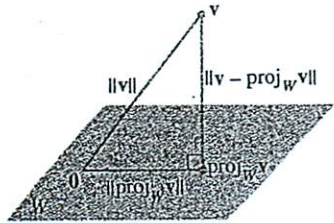
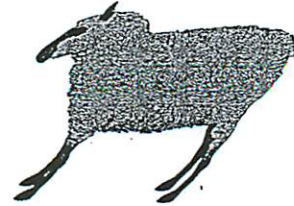


Mathematics 60  
Linear Algebra  
Fall 2013



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Instructor: Professor Asuman G. Aksoy  
Office: Adams Hall 215  
Extension: x72769  
Email: [aaksoy@cmc.edu](mailto:aaksoy@cmc.edu)

<http://www.asumanaksoy.com>

Prerequisite: Multivariable Calculus

Class Times: T-R 09:35-10:50 AM

Location: Davidson Lecture Hall, CMC

Office Hours: T-R 3:00-5:00 PM or by appointment.

Textbook: *Linear Algebra and its applications*-4<sup>th</sup> edition by David C. Lay

[http://wps.aw.com/aw\\_lay\\_linearalgebra\\_4/](http://wps.aw.com/aw_lay_linearalgebra_4/)

MIT's open course ware site has linear algebra course on line at: <http://ocw.mit.edu>

**Course Description:**

This course is an introduction to the methods of linear algebra with applications. Topics will include: linear equations, Gaussian elimination, matrix algebra, determinants, vector spaces, linear transformations, linear independence and bases, null spaces and ranks of linear transformations, inner product spaces, orthogonality and least squares, eigenvalues and eigenvectors and canonical forms.

**Course Policies:**

Homework, three midterms, and a final exam will add up to the final grade.

**Final Grade** is computed as follows:

- Problem sets: 15 %
- Three one-hour exams: 45%
- Final Exam: 40%

**Homework:**

Homework's are essential in learning linear algebra. You are encouraged to talk to other students about difficult problems – after you have found them difficult. However **you must write your own solutions**. The homework will be assigned at the end of each class, but will be collected once a week. No late homework will be accepted unless there is a very good reason.

**Midterm Dates and Exam Policy:**

Midterm #1: **Thursday, September 26th.**

Midterm #2: **Thursday, October 24th.**

Thursday October 24th is the last day to withdraw from the class.

Midterm #3: **Tuesday, November 26<sup>th</sup>.**

Midterms will **only** be given on the above scheduled dates.

If you miss a midterm exam with an approved excuse, you may take a make-up exam.

The use of calculators or notes is not permitted during the exams.

**Final Exam Date and Exam Policy:**

**December 20, 2013 at 9:00 AM in Davidson Lecture Hall**

The final exam will be comprehensive.

The final exam will only be given on the above scheduled date.

The final exam will not be rescheduled for any reason, unless an incomplete has been granted.

**Tutoring:**

Tutoring services will be held in the Math Commons Room (Adams Hall 218, down the hall from Poppa Lab) on Sundays through Thursdays from 8:00-10:00pm.