MATH 2210 Spring 2011
Applied Linear Algebra
TuTh 9:30am–10:45am, MSB 215

This course is designed to introduce students to the techniques of linear algebra with elementary applications. Topics will be covered include systems of equations, matrices, determinants, linear transformations on vector spaces, characteristic values and vectors, from a computational point of view.

Instructor Information:

Asiri Gunathilaka, Office: MSB 229, Email: unawatuna.gunathilaka@uconn.edu, Phone: (860)486-1280
Office Hours: Tuesday 11.00am - 12:00noon, Thursday 11.00am - 12:00noon or by appointment.

Class webpage:

http://www.math.uconn.edu/~gunathilaka/math2210s11/

Textbook:

Linear Algebra and its applications by David C. Lay, 3rd Edition.

Reading

All material lectured on and assigned as reading is examinable. Some material will only be given in lecture. Some material will only be given as reading. While some sections may be added or removed as we go along, a preliminary schedule is: 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, [selected parts of 3.3], 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 5.1, 5.2, 5.3, 6.1, 6.2, 6.3, 6.4, 6.5, 6.7, 7.1

Quizzes and Homework:

Qizzes will be given every Thursday at the end of the class unless there is an exam on that week. Your lowest quiz score will be dropped. There will be no makeup quizzes unless you have valid(written) excuse from a proper authority for your absence. **A missed quiz is a failed quiz if you fail make it up within the first week upon returning to the school. Otherwise you should plan on missed quiz to be your dropped score.** Homework will be assigned weekly basis but will not collected for grading purposes. **It will be VERY difficult to do well in this course without doing the homework.**

Missed Work:

If you miss a class, it is your responsibility to find out what you have missed (assignments, notes,...): you may do so by asking a fellow student, or stopping by during my officece hours.

Grading:

Your course grade will be determined by the average of your grades on quizzes, in class exams, and the comprehensive final exam. They will be weighted as follows:

Examination I	25%
Examination II	25%
Quizzes	20%
Final Examination	30%
Total Semester Grade	100%

Exams:

You must plan your travel arrangements around examination dates. The only valid excuses for missing an exam are a family-related crisis or a serious health problem. If this is the case, you will need a letter from the appropriate Dean or University Health Services official.

Examination I - Thursday, March 3
Examination II - Thursday, April 14
Final Exam - TBA

Calculators:

Calculators are good tools for exploring as you learn, so you may want to use them while working on some homework, but do not become dependent: Calculators will not be allowed on quizzes or exams unless officially pronounced beforehand. Quiz and exam questions will be carefully crafted to avoid too much messy arithmetic. I am glad to help you figure out how to do Linear Algebra calculations on your calculator/computer during office hours but remember that you may be asked to perform these exact calculations quickly and clearly on exams and quizzes without any mechanical aides.

Special accomodations for athletes and students with disabilities

Inform me as soon as possible of your commitments as an athlete and/or any special needs that you have. You will be expected to bring a letter from the Athletics Department or the Center for Students with Disabilities. The sooner you notify me, the better I will be able to accomodate you.

Academic Integrity:

From the **UConn Policy on Academic Misconduct**

A fundamental tenet of all educational institutions is academic honesty; academic work depends upon respect for and acknowledgment of the work and ideas of others. Misrepresenting someone else's work as one's own is a serious offense in any academic setting and it will not be condoned.

Academic misconduct includes, but is not limited to, providing or receiving assistance in a manner not authorized by the instructor in the creation of work to be submitted for academic evaluation (e.g. papers, projects, examinations and assessments - whether online or in class); presenting, as one's own, the ideas, words or calculations of another for academic evaluation: doing unauthorized academic work for which another person will receive credit or be evaluated; using unauthorized aids in preparing work for evaluation (e.g. unauthorized formula sheets, unauthorized calculators, unauthorized programs or formulas loaded into your calculator, etc.); and presenting the same or substantially the same papers or projects in two or more courses without the explicit permission of the instructors involved.

A student who knowingly assists another student in committing an act of academic misconduct shall be equally accountable for the violation, and shall be subject to the sanctions and other remedies described in The Student Code. Sanctions shall include, but are not limited to, a letter sent to the Dean of Students of the University; a grade of 0 on the assignment, quiz or exam; a grade of F for the course.

Steps Toward Success in the Class:

1. Attend class every day.
2. Read the textbook.
3. Take notes in class.
4. Do assigned homework every day.
5. Get help immediately when needed.
6. Review regularly.