Math 2333.521 **SYLLABUS** Summer 2005
10976 **Matrices, Vectors, & Applications** 6-7:50pm GR3.420

Instructor: Dr. D. L. Lewis Office: ECSN 2.510 Phone: 972.883.6037
E-mail: dlewis@utdallas.edu NOTE: Email requiring a reply must be sent to this address with the course number in the subject line.

Office Hours: TR 4-5pm or by appointment

TA: To be announced

Resource: Math Learning Center MC 2.412 (library) Phone: 972.883.6707
Hours: MTWR 10am-8pm, F 10am-2pm, S 10am-2pm. The learning center offers one free 60 minute individual tutoring session per week, however, an appointment is required.

Textbook: Linear Algebra with Applications, 5th Edition, Gareth Williams. The textbook is augmented with additional material which can be printed from WebCt. The additional material is in Microsoft Word document format and contains equations produced with MS equations 3.0 (available in the office 2000 or XP application software package).

Course Description: An introductory course in linear algebra with primary focus on theory and secondary focus on computational methods and applications in the physical and social sciences. Topics include: matrices, vectors, determinants, matrix inverses, and systems of linear equations. Prerequisite: MATH 1314 or equivalent.

Ground Rules: Be punctual and ensure that your electronic communication devices are turned off. Announcements are generally made at the beginning of class. If you miss class or arrive late, it is your responsibility to acquire any missed notes or announcements. Student participation in class is desired, however, please raise your hand to speak and avoid side conversations with your classmates. Attending university is a privilege, not a right. Behavior that infringes on the learning experience of your classmates will not be tolerated. Cheating, in any form constitutes an infraction of the academic integrity code and will be dealt with according to university disciplinary procedures.

Homework Assignments: The assignment document is available in the backpack on the Webct homepage for this course. Problems in the text marked with an asterisk have solutions in the appendix. The assignments are intended to supply adequate practice for mastery of the concepts presented in each section. If you feel the assigned problems are inadequate, select additional problems of like kind and work them as well. Assignments will not be collected, however, the weekly quizzes may contain problems taken directly from the assigned homework problems.

Grades: The course grade is based on the following:

Two major exams:	See schedule for dates
Seven Quizzes:	One per week during non-exam weeks
Comprehensive Final Exam:	Thursday **July 29 6pm – 8:45pm**

Quizzes and major exams are administered during the scheduled class period. The time allotted for most quizzes will be 15 minutes. The time allotted for the major exams will range from 50 to 65 minutes. On exam days, the remaining class period will be devoted to lecture. There will be no make-up exams or quizzes. Exams and quizzes are closed book, without notes, and without graphing calculators (unless otherwise instructed).

Course grade:	Quiz total: The best 5 quiz scores will be used and scaled to 100%.	20%
	Two major exams:	50%
	Final Exam	30%
	(the final exam score, if higher, will replace the lower score of the two major exams.)	

Letter grades are assigned according to the following scale

[97,100]…A+	[93,97).….A	[90,93).….A-
[87,90)…..B+	[83,87)…..B	[80,83).….B-
[77,80).….C+	[73,77).….C	[70,73),….C-
[67,70).….D+	[63,67).….D	[60,63).….D-
[0 ,60)…...F		

Example: Joe has scores of 22, 21, 16, 8, 24, 20, 18 on the quizzes, 94 on exam 1, 73 on exam 2, and a final exam score of 89. Assuming 25 possible points on each quiz then the quiz percent is (22+21+24+20+18)/1.25=84. The final exam score would replace the exam 2 score thus the course percent is

$$(0.2)84 + (0.25)(94 + 89) + (0.3)89 = 89.55$$ and the course grade is a B+.

Quiz and Exam scores as well as the supplemental course material will be posted on Webct. To access your scores, go to website webct.utdallas.edu (no www). You will need the Unix logon id and password assigned to you at registration. If you do not know your id, go to www.utdallas.edu, select Current Students then SIS and follow the instructions or you can go to the computing help desk.