Honors Linear Algebra (Math 0540 S02)

with Richard Kent

Meeting room. Sayles Hall 306 *Meeting time.* TR 10:30 – 11:50 *My office.* KH 313 (Office hours TBA.)

Text. Linear Algebra Done Wrong by Sergei Treil.

Syllabus. We will cover the first five chapters of the text, and cover selected topics to be determined from chapters 6 and 7 as time permits. See the table of contents of the text for the topics involved.

Grades. There will be two midterm exams and a final:

> *Exam 1.* Thursday 03/6/2008

> *Exam 2.* Thursday 04/17/2008

> *Final Exam.* Tuesday 05/13/2008 at 2:00 PM.

The final exam is 3 hours long, and its date and time are chosen by the registrar. You must be available on that date at that time to take the final.

Homework will be assigned approximately every week. I will assign a number of problems each time, and will grade two of them (you will not know the choice ahead of time). I will drop your two lowest homework grades. Late homework will not be accepted under *any* circumstances (which is why I drop the two lowest homework grades).

The grade distribution for the course will be as follows:

> *Homework.* 20%

> *Exam 1.* 20%

> *Exam 2.* 20%

> *Final Exam.* 40%

Attendance is not mandatory, but you are responsible for the material presented in the lectures, and of course you stand a better chance of absorbing the material if you attend. You should also consider the Math Resource Center: `http://www.math.brown.edu/mrc/`

Academic honesty. As a Brown University student, you are bound to the standards of academic honesty put forth by the Brown Academic code:

`http://www.brown.edu/Administration/Dean_of_the_College/academic_code/code.html`

It's okay to discuss the homework with other students, but I recommend you work hard on the problems alone before doing so. You will more quickly gain a greater understanding of the material by working on the problems in isolation first.

Your work on the exams must be completely your own. *Suspected violations of these policies will be referred to the Standing Committee. If you are found guilty of academic dishonesty, the consequences are quite severe. Loss of credit in the course and a note on your transcript is a relatively mild but not uncommon response. Temporary or permanent separation from the university may also result.*