### Math 355: Linear Algebra

**Fall 2011, Rice University**  
**Sergey Belov**

Office: 422 Herman Brown Hall (HB), x4829, belov@rice.edu  
Class: MWF 2:00 - 2:50 pm, Space Science 106  
Text: Linear Algebra with applications, 8nd ed. by Steven Leon  
Office hours: MW 3-4pm, H 2:30-3:30pm  
TA: TBA  
TA Office hours: TBA

#### The Course:
In this course we will cover linear transformations, matrices, solutions of linear equations, eigenvalues, eigenvectors, and some applications. We will also study quadratic forms and Jordan canonical form. As time permitting we will cover some numerical aspects of linear algebra. Chapters: 1-7 + chapter 9 (online).

#### Homework:
Homework is assigned once a week and it is **usually** due at 5:00pm on Fridays (check Owlspace for changes). No late homework is accepted unless you are granted an extension in case of sickness or emergency (notify me immediately); and one lowest homework score is dropped. I recommend doing homework together to exchange ideas and methods, but you must write and understand your own solution. No copying, please.

#### The Grade:
- Homework: 25%
- Exams (2): 20% each
- Final Exam: 35%

#### Tests:
- (self scheduled, two hour take home exams)  
due Friday, September, 30  
due Friday, November, 11

#### Final Exam: TBA

#### Final Exam Policy:
It is the policy of the mathematics department that no final may be given early to accommodate student travel plans. We will not know when the final in this course will be scheduled for some time. Therefore, if you should make plans to travel before the end of final exam period, and it turns out that the final for this course is after your scheduled departure date, you will have to choose between keeping your plans and receiving a zero for the final, or incurring the costs for changing your plans and taking the final at its scheduled time. Thanks for your understanding.

#### Resources:
- http://owlspace.rice.edu - Here you can find all hwk assignments, your grades, and some additional information.
Accommodations:
Any student with a documented disability needing academic adjustments or accommodations is required to speak with me during the first two weeks of class. All discussions will remain confidential. Students with disabilities need to also contact Disability Support Service in Room 111 of the Allen Center (tel: x 5841).

Guidelines for homework assignments:
- print your name clearly in the top right corner of the first page;
- below the name put the assignment number (e.g., HWK 3);
- write the assigned sections and list the assigned problems;
- circle, box or highlight all the problem numbers and answers;
- always show your work to get full credit;
- all problems should follow the same order as in the textbook;
- staple all the pages together in the right order.