

Instructor: Dr. Iuliana Oprea

Office: Weber 123 Building, Phone: 491-6751

*e-mail* address: *juliana@math.colostate.edu*

*http* : *//www.math.colostate.edu/~juliana*

**Required Text:** Steven J. Leon "Linear algebra with applications" 7th edition, Prentice Hall 2006.

### **Rough Spring Agenda**

- Chapters 1-6
- The bulk of the course will be derived from Chapters 1-6 of the text. This includes the topics of Gaussian elimination, vector spaces, linear maps, orthogonality, determinants, eigenvalues/ eigenvectors, singular value decomposition, canonical forms.
- There will be **regularly assigned homework, in class quizzes** (usually on **Friday**), **2 in class exams**, and a **final exam**.
- The tests and final exam will, for the most part, mimic the homework; however, there may be a problem requiring more connection between basic concepts than has shown up in homework.
- Homework has to be submitted at the beginning of the class (date of the deadline, usually a **Wednesday**). Sometimes only problems chosen at random may be graded. You have to show your work. Your solution will not only be graded on correctness, but also on how it is presented. Points will be broken down as follows:
  1. Final Exam - 200 points
  2. Two One Hour Exams - 200 points
  3. Graded Homework and Quizzes - 200 points

Combining these, there are 600 possible points. The following factors may additionally influence the final grade: participation in class, improvement during the semester, consistency, etc.