Course plan

Linear Algebra I

Lecturer

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Literature

Otto Bretscher. *Linear Algebra with Applications*, Prentice Hall, 2008. ISBN 0136009263.

Schedule

The following schedule is tentative. Please check the website for updates.

Lecture	Date	Topic	Chapters
1	October 12	Introduction, Systems of linear equations	1.1
2	October 19	Matrices, Vectors, Dot product	1.2, Appendix A
3	October 26	Lines and planes	Handout
4	November 2	Gauss-Jordan elimination	1.2
5	November 9	Solutions to systems of linear equations	1.3
6	November 16	Linear transformations	2.1
7	November 23	**Midterm Exam**	
8	November 30	Linear transformations and geometry	2.2
9	December 7	Matrix multiplication	2.3
10	December 14	Matrix inverse	2.4
11	December 21	Determinants	6.1
12	January 11	Properties of determinants	6.2
13	January 18	Geometric interpretation of determinants	6.3
14	January 25	Review	1, 2, 6
15	February 1	**Final Exam**	

Examination

There will be a midterm exam on November 23, 2011 and a final exam on February 1, 2012. The midterm exam will give a maximum of 40 points and the final exam a maximum of 60 points. The final grade will be determined by the total amount of points obtained according to the following scale: S: 90-100, A: 80-89, B: 70-79, C: 60-69, F:0-59.