

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 1	Introduction, Systems of linear equations	1.1
2	October 15	Matrices, Vectors, Dot product	1.2, Appendix A
3	October 22	Lines and planes	Handout
4	October 29	Gauss-Jordan elimination	1.2
5	November 5	Solutions to systems of linear equations	1.3
6	November 12	Linear transformations	2.1
7	November 19	Midterm Exam	
8	November 26	Linear transformations and geometry	2.2
9	December 3	Matrix multiplication	2.3
10	December 10	Matrix inverse	2.4
11	December 17	Determinants	6.1
12	December 25	Properties of determinants	6.2
13	January 9	Geometric interpretation of determinants	6.3
14	January 21	Review	1, 2, 6
15	January 28	Final Exam	

Examination

There will be a midterm exam on November 19, 2012 and a final exam on January 28, 2013. The midterm exam will give a maximum of 40 points and the final exam a maximum of 50 points. In the beginning of each lecture except the first, the midterm exam and the final exam there will be a small quiz on problems given the lecture before. From these a maximum of 10 points can be earned. 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.