18.024 UNIT II: LINEAR ALGEBRA

Thursday, Feb. 15.

Lecture: Planes; matrix algebra.

Read: A.28–A.33, B.1–B.5.

Do: A.31: 4b; A.33: 1, 3, 4; B.5: 1, 2, 3, 4; 16.16: 3, 4, 8.

Friday, Feb. 16.

Lecture: Systems of linear equations.

Read: B.6–B.16, Examples in 16.18.

Do: 16.20: 1, 2, 3, 4, 8, 10; B.16: 1, 2, 3, 4.

Remember that the Unit I homework is due today!

Thursday, Feb. 22.

Lecture: Cartesian equations of k-planes, matrix inversion.

Read: B.18–B.28.

Do: B.24: 1, 2, 3, 5, 6, 7, 8, 9; 13.17: 9, 13, 14, 17.

Friday, Feb. 23.

Lecture: Determinants.

Read: B.30–B.42.

Do: 16.20: 12, 15; B.29: 1, 2, 3; B.36: 1, 2, 3, 4cd.

Tuesday, Feb. 27.

Lecture: Cross product, existence of determinants.

Read: B.45–B.47, B.53–B.56, pp. 485–490.

Do: B.43: 1, 2, 3, 4; 13.11: 1abc, 2a, 3a, 6; 13.14: 1a, 3, 9.

Hand in Fri., Feb. 23 in lecture (7 points/problem).

Date: Spring 2001.

1. A.31: 5.
2. B.16: 5.
3. B.17: 6.

Quiz I upcoming on Friday, March 2!