Diary

Updated: April 4, 2024.

2	Meeting	Day	Topic	Reference	Assignment
18/1 Span, independence, bases \$2A, \$2B WS 1	1	15/1	Vector spaces: definition and examples	§1B	WS 1
4 22/1 Bases and dimension \$2B, \$2C WS 2 5 25/1 Linear maps, null spaces and range \$3A, \$3B WS 2 6 25/1 Fundamental Theorem of linear algebra \$3A, \$3B WS 2 7 29/1 Matrices associated to a linear map, Invertible morphisms \$3C, \$3D WS 3 8 1/2 Properties of invertible morphisms \$3D WS 3 9 1/2 Products of vector spaces \$3E WS 3 10 5/2 Quotient spaces \$3E HW 1, WS 4 11 8/2 Dual spaces \$3F WS 4 12 8/2 Dual morphisms and annihilator subspace \$3F WS 4 13 19/2 Invariant subspaces \$5A WS 5 14 22/2 Minimal Polynomial \$5B WS 5 15 22/2 Minimal Polynomial \$5B WS 5 16 26/2 Upper-Triangular Matrices \$5C HW 2 - 29/2 Midterm 1 M 1	2	18/1	Subspaces, sums and direct sums	§1C	
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36 25/4 TBD §9C WS 10					

- The reference concerns sections of the textbook.
- The first exam will cover the material from Meetings 1-15.
- The second exam will cover the material from Meetings 16, 17-25.
- WS means Worksheet. You don't have to turn them in, but they are the exercises that I expect you to know how to solve.

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- HW means Homework. You need to turn these in and they will be graded.
 The final exam is commulative.