Linear Systems

Week 7

Monday March 3 :

Guest Lecture by **David Poole**, author of our textbook.

Wednesday March 5 *Class 16*:

Subspaces. We shall introduce the concept of vector spaces and subspaces in a rather formal way.

Reading:

Poole, Section 3.5 and Section 6.1

Homework #15: (due in *Class 17*)

Poole, Section 3.5, 1,3,4,5,**6,7,9,11**,12. EXTRA CREDIT 10.

Friday March 7 *Class 17*:

Basis and Dimension. We continue to see how linear independence, rank, subspaces, dimension and span all inter-connect with each other.

Reading:

Poole, Section 3.5

Homework #16: (due in *Class 18*)

Poole, Section 3.5: **17, 18**, 21, 24, 39, **40, 41**, 42. EXTRA CREDIT 44, 50.