

Section 1

MANE 3351

Subsection 1

Lecture 18

Classroom Management

Agenda

- Introduction to Linear Algebra - Vectors
- Homework 4 due today
- Lab session today for those who did not complete

Subsection 2

Resources

Handouts

- Lecture 18 slides
- Lecture 18 slides marked

Calendar

Lecture/Lab	Date	Topic
10/28	Numerical Differentiation (not on Test 2)	Lab 8
10/30	Linear Algebra, part 2 (not on Test 2)	Lab 8
11/4	Linear Algebra, part 3 (not on Test 2)	Lab 9
11/6	Test 2 (Root Finding and Numerical Integration)	No Lab

Introduction to Vectors

- Vectors | Chapter 1, Essence of Linear Algebra Video

Examples of Vectors in Engineering

- Examples in engineering courses
- Examine Kaggle
- Vector Notation (including tilde)

Linear Combinations, Span and Basis

- Linear Combinations, span, and basis vectors | Chapter 2, Essence of linear algebra Video