

**Math 194: Methods of Linear Algebra  
Fall 2013 Schedule**

<i>Week</i>	<i>Date</i>	<i>Topic</i>	<i>Assignment Due</i>
1	8/22	Unit 1 – Systems of Linear Equations	
2	8/27	§1.1 Systems of Linear Equations	
	8/29	§1.2 Row Echelon Form	Problem Set 1
3	9/3	§1.3 Matrix Arithmetic	
	9/5	Unit 1 Applications	Problem Set 2
4	9/10	Unit 1 Applications	
	9/12	Unit 2 – Matrix Algebra	Problem Set 3
5	9/17	§1.4 Matrix Algebra	
	9/19	§1.5 Elementary Matrices	Problem Set 4
6	9/24	Unit 2 Applications	
	9/26	Unit 3 – Subspaces	Problem Set 5
7	10/1	Chapter 3 Subspaces	
	10/3	Midterm 1 (covers Units 1 and 2)	Midterm 1
8	10/8	Unit 4 – Linear Transformations	
	10/10	<b>No Class – Fall Break</b>	
9	10/15	§4.1 Linear Transformations §4.2 Matrix Representations	
	10/17	Unit 4 - Applications	Problem Set 6
10	10/22	Unit 5 – Eigenvalues and Eigenvectors	
	10/24	§6.1 Eigenvalues and Eigenvectors	Problem Set 7
11	10/29	§6.3 Diagonalization	
	10/31	Unit 5 Applications	Problem Set 8
12	11/5	Unit 5 Applications	Project Proposal
	11/7	<i>Least Squares (Part 1)</i>	Problem Set 9
13	11/12	Least Squares (Part 2)	
	11/14	Midterm 2 (covers Units 3, 4, and 5)	Midterm 2
14	11/19	Function Spaces (Part 1)	
	11/21	Function Spaces (Part 2)	Problem Set 10

15	11/26	<b>No Class – Thanksgiving Break</b>	
	11/28	<b>No Class – Thanksgiving Break</b>	
16	12/3	Presentations	Project Presentation
	12/5	Presentations	Project Presentation

**Application Projects: Due Friday, December 6<sup>th</sup>**

**Final Exam: Tuesday, December 10<sup>th</sup>, 3-5pm**

**Alternate Final: Friday, December 13<sup>th</sup>, 12-2pm**