Midterm exam will be at Wednesday, February 03.
• Scientific calculators are allowed. Programmable calculators are NOT allowed.
• Close book.

Format

• Total points = 20 points
• There are 4-5 questions on the exam.

Coverage:
Chapter 1.1-1.6
Chapter 2.3

Questions are selected from the following topics

1. Basics. Definition of a matrix, elements, and construct a matrix, see Q4, 5, 6, 7, 8 in Prob 1.1
2. Matrix Operations and properties. +/-, multiplication, scalar multiplication, see Q26, 27, 33, 37 in Prob 1.3, Q20, 23, 24, 26 in Prob 1.4.
3. Using matrix partitions. See Q4, 7, and 8 in Prob1.5
4. Linear system and Gaussian elimination
   a) Write a given linear system in matrix format;
   b) Construct augmented matrix;
   c) Use elementary row operations to transform the augmented matrix into row-reduced form
   b) solve linear system using Gaussian elimination

   See example 3 on page 58, Q18 and Q21 in Prob 2.3,