## Week # 10 - Topics

**Chapter 4** (cont'd) Everything from Chapter 3, applied to  $n^{th}$  order linear differential equations.

- §7.1 Introduction to systems of linear equations.
- **§7.2** Brief review of linear algebra.
- **§ 7.3** Systems of algebraic equations, Gaussian Elimination, linear independence, eigenvalues and eigenvectors.