Math 4242   Applied Linear Algebra Spring Semester 2017

We will omit Section 5.7, Chapter 6, Sections 7.3, 7.4, 7.5, 8.1. We might come back to 7.3 later.

Homework Assignment 11 - Due Friday 4/14/2017 in class or in my mail box before 2:30.
As usual, there will be a quiz on this date, on the HW handed in.

Exercises from Olver and Shakiban:

Update to this HW assignment 4/12/2017: because we did not get far enough, the only questions due this week are
Chap. 7.1: 2bcd, 5abc, 6, 10, 11, 14a, 15cdeg, 19dflms, 27be, 29.

Homework Assignment 12 - Due Friday 4/21/2017 in class or in my mail box before 2:30.
Not as usual, there will be THE SECOND MID-TERM EXAM on this date. The questions will be on the sections we have studied from Chapters 3, 4, 5 and 7. **Update:** From Chapter 7 the only material you could be tested on would be section 7.1 up to what you need for HW question 7.1.29

Exercises from Olver and Shakiban:
Because I transferred questions from Assignment 11, the list of questions is now too long and will be cut at some point,
Chap. 7.1: 30ab, 37bh, 42, 48a, 51, 60
Chap. 7.2: 1acf, 9, 24acd, 25b, 26cd
Chap. 8.2: 1d, 5, 7c, 14, 21, 22, 24, 35a, 38
Chap. 8.3: 1ch, 3ceh, 6, 15bf, 17, 19bd, 21b, 23,

You will not be tested on: pages 209-216 about approximation by general functions, weighted least squares, and the best approximation to functions; the modifications of the Gram-Schmidt process on pages 232-234; Householder's method on pages 243-247.
Section 5.4, Section 5.7, Chapter 6, Sections 7.3, 7.4, 7.5