

Math 4242

Applied Linear Algebra Spring Semester 2017

Homework Assignment 9 - Due Friday 3/31/2017 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:

Chap. 4.4: 1ab, 5, 12cd, 13b, 14, 16

Chap. 5.1: 5, 6, 13abc, 22, 25, 27bc

Chap. 5.2: 4c, 5, 6, 9

We will not study pages 209-216 about approximation by general functions, weighted least squares, and the best approximation to functions. You will not be tested on the modifications of the Gram-Schmidt process on pages 232-234, although the second modification on page 234 may be useful to you.

Homework Assignment 10 - Due Friday 4/7/2017 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:

Chap. 5.3: 1abc, 8, 16, 27abd, 28(ii)

Chap. 5.5 : 2bc, 5, 6(ii) only for 2bc, 11a, 15b

Chap. 5.6: 3, 4bc, 8, 9, 17d,

We will not study Householder's method on pages 243-247. We omit section 5.4.