Homework 1: 17 March->22 March 18.00 h.

(Ex.= Exercise; p. = page from Friedberg-Insel-Spence "Linear Algebra" 4 Ed., 2003):

1) Ex.7 p.14

2) Ex.19 p.21 3) Ex28 p.23

4) Ex.29 p.23

5) Ex.3 p.41

6) Ex.9 p.55

7) Ex.17 p.56

8) Ex.10 p.75

9) Ex.3 p.84 × ×

10) Ex.4. p.84

Homework 2: 7 Apr.->12 Apr. 18.00 h.

From Textbook Friedberg-Insel-Spence "Linear Algebra" 4.Ed., 2003

REMARK: Notice that in Problems 9 and 10 is asked also in addition to the Problems from the textbook) to find the solutions with initial conditions

1) p.76-77 Ex.24(a)(b)
2) p.77 Ex.28
3) p.85 Ex.11
4) p.97. Ex.9
5) p.97 Ex.11
6) p.97 Ex.13
7) p.116 Ex.2(d)
8) p.116 Ex.4

In Problems 9 and 10: Find 1-st the general solutions,

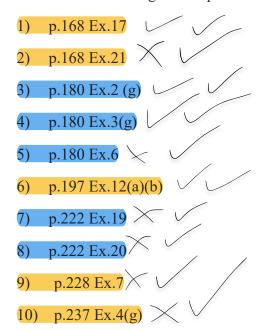
and then find the particular solution with the initial conditions as below:

9) p.141 Ex.3(a); initial conditions: y(0) = 3, y'(0) = 2

10) p.141 Ex.3(b); Initial conditions: y(0) = 9, y'(0) = 1, y''(0) = 5

Homework 3: 5 May -> 10 May. 18.00 h.

From Textbook Friedberg-Insel-Spence" Linear Algebra" 4.Ed. (2003)



Homework 4: $26 \text{ May} \rightarrow 31 \text{ May } 18.00 \text{ h.}$

FIS = Friedberg-Insel-Spense; Spence "Linear Algebra" 4.Ed. (2003)

HK = Hong and Kwak "Linear Algebra" 2 Ed., 2004

- 1) FIS p.258 Ex.11(a)(b)
- 2) FIS p.259 Ex.14
- 3) FIS p.259 Ex.18(a)(b)
- 4) FIS p.282 Ex.18(a)(b)
- 5) FIS p.322 Ex.4
- 6) FIS p.322 Ex.6(a)
- 7) FIS p.323 Ex.18(a)(b)
- 8) HK p.243 Ex.6.19
- 9) HK p.243 Ex.6.21(1)
- 10) HK p.243 Ex.6.27(1)

The Grading – on the next page

GRADING = Hw. 30 % + Mid.Ex.30% + Fin.Ex.30% + Attend.10% = 100%

4 Homeworks x 10 problems x 10 points = 400 points = 50 %

Midterm Exam = 10 problems x 20 points = 200 points = 25 %

Final Exam = 10 problems x 20 points = 200 points = 25 %

Sum = 400 + 200 + 200 = 800 points = 100%