HOMEWORKS and GRADING – for Linear Algebra – 1 (2022, 1-st semester)

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)

1) p.168 Ex.17
2) p.168 Ex.21
3) p.180 Ex.2 (g)
4) p.180 Ex.3(g)
5) p.180 Ex.6
6) p.197 Ex.12(a)(b)
7) p.222 Ex.19
8) p.222 Ex.20
9) p.228 Ex.7
10) p.237 Ex.4(g)

Homework 4 : 26 May → 31 May 18.00 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%