Week | Subject | HW | MT
---|---|---|---
#1 | Feb 11 | Algebra of polynomials. | 
#2 | Feb 18 | Invariant direct sum decompositions | #1
#3 | Feb 25 | Primary decomposition theorem. | #2
#4 | Mar 3 | Cyclic decomposition theorem. | #3
#5 | Mar 10 | The Jordan form. | 
#6 | Mar 17 | Invariant factors. | #4
#7 | Mar 24 | Midterm I. Semi-simple operators. | #1
#8 | Mar 31 | Inner product spaces. | #5
#9 | Apr 7 | Linear functionals and Adjoints. | #6
#10 | Apr 14 | Unitary operators. | #7
#11 | Apr 21 | Normal operators. | #8
#12 | Apr 28 | Midterm II. Forms on inner product spaces. | #2
#13 | May 5 | Spectral theory. | #9
#14 | May 12 | Bilinear and sesqui-linear forms. | #10
#15 | May 19 | Sylvester inertia law. | 

Semester: Spring 2008  
Instructor: Alexander Klyachko  
Office: Room #127 (Faculty of Science)  
Phone: 2115

Grading:
Homeworks: 20%,  
Midterms (20% and 25%)  
Final Exam (35%).

(Tentative)  
• 1st Midterm | March 24, 2008 @ 00:00
• 2nd Midterm | April 28, 2008 @ 00:00
• Final Exam | Finals week, May, 2008 @ 00:00

Note: 75% attendance to the lectures is obligatory.

Course Schedule:
Monday: 9:40-10:30, Room #SAZ03  
Wednesday: 10:40-12:30, Room #SAZ03

Office hours: Thursday: 16:40-17:30

Textbook:
K. Hoffmann and R. Kurze, Linear algebra.  
Prentice Hall, New York 1971

Supplementary: