Goal: of the format & content of the midtern discuss study strategies & effective use of time.

Class Q: How do you study for exams? Loes it work for you? what changes to that strategy do you make bused on time?

## Midtern info:

- Frank book keeping - no books Inotes I calculators

- scrap paper provided - electroniz marking only write on the front of each

- it you have grestions ASK!

T- I want be asking for to brove or reproduce any proots on the midtern

Formut - 3 long answer - Each out of 10

- show work

- make your answers clear

- focused on skills

- 5 MC

- 2 marks each no part marks.

- 1 correct answer (it you mark more than I - 7 answers per 1'S wrong) it not sire givess.

- concept focused.
- read carefully lots of NOT's

answer, 15 for the MC & 5 to spare to look over things (scaled up appropriately)



How do you study for a muth exam? (breit discussion) Here is my process

Step 1: the list, figure out everything you've learns in the course, what is the possible is t of things to Know.

- solving systems of Imear equations

- Subspaces

- ron space - column space - ron space - nell space

- determinants - Complex #'s - eigen steff

- e, vals - e, vects

- e, spues

- Markov mutorites

- abstract vector spaces

\*- orthogonality

\*- Cr-5 \*

- QR factor zuten - or thogonal complements - Projections

\* - least squares solutions

- direct method - QR method

x - normal system &

- Shyder value decomposition \* - orthogonal dragonalizationst

symmetre matrices

be as expaisine as possible. You can break up l subdite as many or few of these as you wald life/necd.

for each skill idealy Know the 12, when it can be applied & han to do it.

your own wit of definitions desire A Properties and when those Cun be applied is great.

of important topics (isully todged from Emphisis & tome) Step 2: numbermy

go through each topor and rute them from 1-3

1's: these are concepts you know, indestand and can exercite consistently all but the very hursest of examples you can do even on a bad

2's: these are concepts you got part of, you and esstand the busits, you can complete easy and some moderate to challenging examples on a good day. (thus is where most of your time will be spent)

3's: These concepts you we completely lost on you cutch only the most busic of examples on a good day, they are over your head.

## IMPORTANT NOTES

· be honest/realistic · do not full puto the trap of spending all your time on your 33

· your time is limited use it well.

## Step 3: study!

at this stage I split my studying time roughly

# #	V. of tome	assummer 1 mitel
1's	20%	Lass curing / mitel
2's	60 %.	
3'5	10 %	Hilroy

4

we study & do some questions for the 1's as a Sanity check. Make sure we are right about them

we spend most of our time on 2's because that is where we make up the most ground in the beast time. its easter to make a 2 into a 1 than a 3 into a 1 or 2.

the line most times you don't have time for much more than one or two of them to truly improve.

When an I ready?

for me it 75% of the muteral are 1's 20% are 3's this usually yields a solid much becase if the examis distributed evenly across all topics & you get say 65-70 of the 75% which are 1's half (so 10 out of 20) of the ## 2's & home of the ## 3's you end in the 80% vange which is got pretty good. adjust according to your goals.

Din addition review the definitions / properties in A see the MC will focus. A on these precess of conception enderstanding.



1) Belumer this is my our personal system it has its adventages & drawbacks and your middlage may seem very take from it what you want & discard what you don't

additional tips (tricks / strategics

- flush curds are great!
   do what you know on the exam first
- if you are usine on a problem leave it & come back
   READ CAREFULLY!
- ask if you have a question.