DN2266 Mathematical Models, Analysis And Simulation, Part 1

Resultat av kursutvärdering

Questions to answer.

1. Do you think this course was easy or difficult?

   1. 0% (0 st) Very easy.
   2. 5% (1 st) Easy.
   3. 23% (5 st) Average.
   4. 55% (12 st) Rather hard.
   5. 18% (4 st) Very hard.

2. Did you in the beginning of the course understand the goal of the course?

   1. 50% (11 st) Yes.
   2. 36% (8 st) Not sure.
   3. 14% (3 st) No.

3. Do you think the course is interesting and meaningful?

   1. 45% (10 st) Yes, very.
   2. 32% (7 st) Yes.
   3. 14% (3 st) Neutral.
   4. 0% (0 st) Not really.
   5. 5% (1 st) No.

4. Prerequisites: Do you think your knowledge was sufficient when the course started?

   1. 55% (12 st) Yes.
   2. 18% (4 st) Unsure.
   3. 27% (6 st) No.

5. Estimate your proficiency in Matlab.

   1. 68% (15 st) My knowlege was sufficient for the course.
   2. 27% (6 st) I had severe problems making codes running.

6. What do you think about the course book?

   1. 14% (3 st) Very good.
   2. 27% (6 st) Good.

3. 18% (4 st) Ok.
4. 32% (7 st) Not that good.
5. 9% (2 st) Bad.
6. 0% (0 st) I have not used it.

Comments on the book:

The text is difficult to read and understand!

I think that you should combine with some other book, such as Introduction to applied mathematics. It is also good to know that introduction to linear algebra by strang is good repetition.

Strang's book doesn't have a close relation to the course even on sharing topics.

Strang is an excellent lecturer, his lectures at MIT are very good, but his writing in this book was annoying to read. It was badly organized and felt like he was writing as he speaks, which in a technical subject like this is distracting.

The worst shit ever.

You should definitely keep it as the course book. It made me understand things I'd never understand in any other way.

The contents is good, but it could be presented in a better way. The book is almost like a set of lectures, which would be good if it was presented orally, but not really fitting for someone that is reading.

It is hard to read because some basic knowledge is not so clear. And what we have leared is not exactly from the book, not a good reference.

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7. What do you think about the course homepage?

    1. 23% (5 st) Very good.
    2. 55% (12 st) Good.
    3. 14% (3 st) Ok.
    4. 0% (0 st) Not that good.
    5. 9% (2 st) Bad.
    6. 0% (0 st) I have not used it.

Comments on the homepage:

There should be a link where one can go and see his/her homework results and/or examination results.

Use bigger and black H-tags for the headlines and more spacing in the updates/news. Also set the paragraph width to around 450px as this makes things way more readable.

Well structured, no lack of information. Maybe a bit too long.

Would have been nice with the handout of the spectral fourier/spectral methods earlier.

We can know what we would learn for the next lecture. Very good.

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8. The course consisted of many different topics. Which one was the hardest to understand?

    1. 0% (0 st) Linear algebra
    2. 0% (0 st) ODEs and dynamical systems
    3. 14% (3 st) Graph theory and electrical circuits
    4. 27% (6 st) Partial differential equations
    5. 55% (12 st) Fourier transform and spectral methods

9. Which part was the easiest to understand?

    1. 55% (12 st) Linear algebra
    2. 27% (6 st) ODEs and dynamical systems
    3. 18% (4 st) Graph theory and electrical circuits
    4. 0% (0 st) Partial differential equations
    5. 0% (0 st) Fourier transform and spectral methods

10. Which part was the most interesting one?

    1. 0% (0 st) Linear algebra
    2. 18% (4 st) ODEs and dynamical systems
    3. 18% (4 st) Graph theory and electrical circuits
    4. 32% (7 st) Partial differential equations
    5. 32% (7 st) Fourier transform and spectral methods

11. Which part was the most uninteresting one?

    1. 14% (3 st) Linear algebra
    2. 14% (3 st) ODEs and dynamical systems
    3. 32% (7 st) Graph theory and electrical circuits
    4. 14% (3 st) Partial differential equations
    5. 14% (3 st) Fourier transform and spectral methods

Possible comments to the different parts:

Infact all part was intresting

All the parts were interesting, the linear algebra though it was simple but it was the basis for the other parts so it was the right thing to start with it. The ODEs and Graph theory,were
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The graph theory is interesting, but dealing with electrical circuits with no previous interest or exposure to the theory behind it made this section of the course not only difficult but it also felt irrelevant, since graph theory in this context has many other important applications than just circuits.

ODEs and dynamical parts have really been covered in Bachelor studies so it felt a bit unnecessary.

Keep the focus on Fourier transform / spectral methods, maybe even broaden it.

Didnt really understand the spectral methods/ fourier parts. The other parts were ok.
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not much material for the spectral methods. it seems hard to understand..

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12. How many of the lectures have you attended?

    1. 5% (1 st) Less than 20%.
    2. 5% (1 st) 20-40%.
    3. 0% (0 st) 40-60%.
    4. 23% (5 st) 60-80%.
    5. 68% (15 st) More than 80%.

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13. What do you think about the lectures from a pedagogical point of view? (Is the material presented well? Is the lecturer speaking and writing clear? Is the projector used sufficiently/too much?)

    1. 32% (7 st) Very good.
    2. 27% (6 st) Good.
    3. 32% (7 st) Acceptable.
    4. 5% (1 st) Not that good.
    5. 5% (1 st) Bad.
    6. 0% (0 st) Have not participated.

Comments on the lectures (constructive suggestions welcome):

Too much concepts were handled at the same time (during) one lecture. As the result it was sometimes to understand some concepts during lectures.

Should improve the part about spectral methods and try to make it more pedagogic.
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the lecturer speaking and writing was very good
lecturer solved lots of problem on the black board that was really good to undrestand
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the lectures notes presented very well, and so are explained in klass.i would like to say keep this up!

I thought the lectures were well balanced. Tornberg did alternate between the board, slides and talking in a good balanced way, making the material easy to follow.

Haven't attended the classes except for one since I am studying in Berlin. But the slides were awesome. One suggestion would be to work on those a bit more and make them into a booklet that you could print.

Very good exercises to keep the students awake. Good pace, even if the content was quite hard to understand. Computer examples could be more, but maybe the time is not sufficient for that.

This courses need more hours for exercices

I think the lecturing is good, and gives a good help for the hand-ins. I'm very happy with the teaching.

In the last 2-3 lectures it would have been nice if you wrote more on the whiteboard instead of just explaining the overhead (lecture notes).

Very interesting lecturer, even if sometimes too fast on some subjects.

It is better to expain more in details.

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14. Are you preparing for the lectures (reading relevant sections in the book etc.)?

    1. 5% (1 st) Yes, always.
    2. 27% (6 st) Often.
    3. 18% (4 st) Sometimes.
    4. 41% (9 st) Seldom.
    5. 9% (2 st) Never.

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15. The homeworks were

    1. 5% (1 st) Way too hard
    2. 55% (12 st) Too hard
    3. 41% (9 st) Just right
    4. 0% (0 st) Too easy
    5. 0% (0 st) Much too easy

Possible comment:

It is better to have an introduction to the specific homework. Where the teacher might explain what the homework is all about. Also, can explain every problem of the homework.

Not possible to prepare for lectures since the homework took alot of time.

The homeworks generally have both simple and hard parts, but i have learnt a lot from them, eventhough sometimes they are very hard.

Some of the homeworks was difficult, taking huge amounts of time. There was a few, especially the ones with lots of electrical circuits, that was given without almost any theoretical background and thus making it hard to just understanding the assignment, words used,etc.

Remove the first two homeworks and extend the last four.

The difference in complexity of the homeworks was too large. Though the first homeworks were rated 3 points and the later ones 6, I had to work about four times more for the later ones.
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the 2 last one were very hard

The homeworks of this course are quite hard, but that is something they should be - that's important for learning.

They were hard, but could be solved with hard work.
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especially the last two homework..

The goal of the home works were not clear

16. The schedule for the homeworks was

    1. 5% (1 st) Much too tight
    2. 50% (11 st) Rather tight
    3. 41% (9 st) Just right
    4. 0% (0 st) Rather wide
    5. 5% (1 st) Much too wide

17. Was any of the homeworks more rewarding than the others? (You may mark several options.)

    1. 5% (1 st) Homework 1
    2. 18% (4 st) Homework 2
    3. 45% (10 st) Homework 3
    4. 55% (12 st) Homework 4
    5. 55% (12 st) Homework 5
    6. 36% (8 st) Homework 6

Possible comment:

I really really liked 5 and 6. 4 was also interesting.

The first homeworks were not very difficult, therefore not very rewarding (in terms of 'amount of things learned'). The others were very good, though especially the fourth one was extraordinary hard - I could not finish it.

Fourier analysis interests me greatly.

Have had a course named Analog electronik. Therefore I could relate to things like the amplification curves.

It is very usefull.

18. Do you think the written exam reflects the content of the course?

    1. 18% (4 st) Very good.
    2. 32% (7 st) Good.
    3. 9% (2 st) Ok.
    4. 23% (5 st) Not that good.
    5. 0% (0 st) Bad.
    6. 14% (3 st) Did not take the exam.

19. How many other courses have you studied at the same time as this course?

    1. 27% (6 st) One.
    2. 27% (6 st) Two.

3. 32% (7 st) Three.
4. 14% (3 st) Four or more.

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20. How large part of your total study time have you spent on this course?

    1. 0% (0 st) Less than 15%.
    2. 14% (3 st) 15-30%.
    3. 36% (8 st) 30-50%.
    4. 45% (10 st) 50-70%.
    5. 5% (1 st) More than 70%.

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21. This course gives 7.5 ECTS. What do you think about that compared to other courses?

    1. 50% (11 st) It is fair with 7.5p.
    2. 50% (11 st) Should be 9p.
    3. 0% (0 st) Should be 6p.

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22. Suggestions to improvements the course:

    Should explain more about solving PDE, and how the solution was obtained. Also point out the goal of the course, was it to learn how to evaluate and set up solving methods or to solve different equations?
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    during the start of the course, HW1 and HW2 due dates are too early and close. For a guy like me who doesnt come from nada took some time to cope with this structure and this ment I got less credits in both HW, also it takes sometime to buy strang book. So keep this in mind next time when you fix HW dates.

    Comparing to DN2221 this course is way more work intense and it's the same number of points(I wrote 13 page for the two last hw's). A suggestion would be to make it a bit more difficult by removing the first two hw's and adding one or two more advanced hw's and then make it 9p and at D-level.

    The learning curve was unexpectedly steep at the end, mainly because the first lectures covered stuff that was so easy. If there were more advanced contents at the beginning, students might notice that this is a quite hard course. The homework could be discussed in the lectures (just for 10 minutes each), to clarify things.

    Hope to have a better textbook.

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23. Additional comments on the course:

    Good course but very difficult and it was not clear from the begining what was important and what the goal was.

    Overall, this is a very good course.

    Great course! Love it. Keep up the good work.

It was definitely the hardest course I took last term, but also the one where I learned the most. Keep up the difficulty, but make it VERY clear at the beginning of the course (maybe with a hard-to-solve homework).
Thank you!

I think the course is very good, and necessary for someone that studies numerics (and others).

Maybe can give more lectrues.

While the course was hard but there were no exercise session and the assistant was not good enough.

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Denna sammanställning har genererats med ACE.