

FYTN08 vt18

Respondents: 31
Answer Count: 18
Answer Frequency: 58.06 %

General opinion

Give your opinion in the scale 1-5.

1 = very negative

2 = negative

3 = neutral

4 = positive

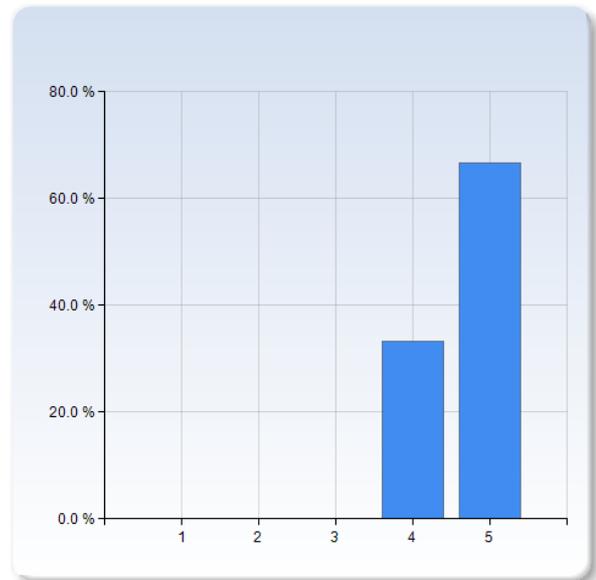
5 = very positive

The comment field in the end is very important! It will help us understand what is to be kept when the grade is good, and what to change when the grade is poor.

What is your general opinion of...

the course?

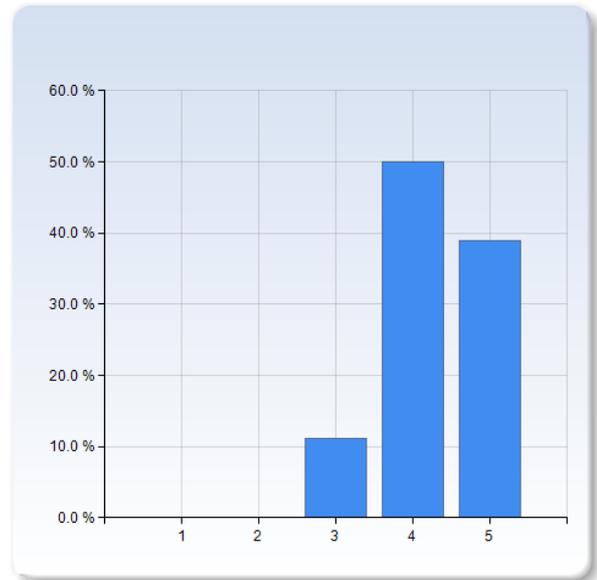
the course?	Number of Responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	6 (33.3%)
5	12 (66.7%)
Total	18 (100.0%)



	Mean	Standard Deviation
the course?	4.7	0.5

"A first course in general relativity" by B.F. Schutz?

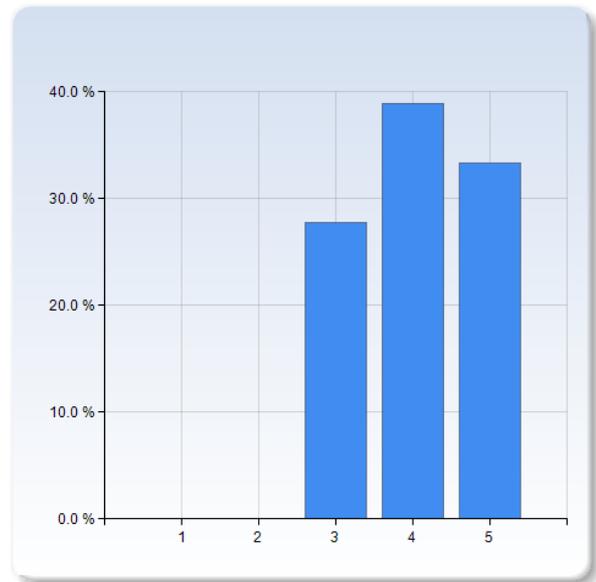
"A first course in general relativity" by B.F. Schutz?	Number of Responses
1	0 (0.0%)
2	0 (0.0%)
3	2 (11.1%)
4	9 (50.0%)
5	7 (38.9%)
Total	18 (100.0%)



	Mean	Standard Deviation
"A first course in general relativity" by B.F. Schutz?	4.3	0.7

the extra material available on the course home page?

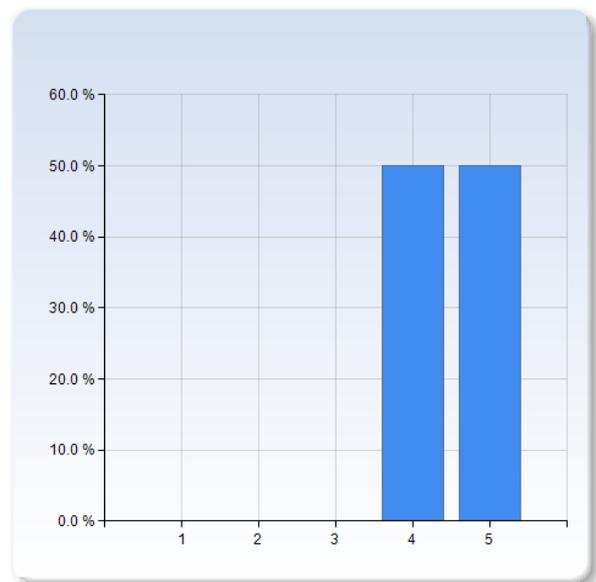
the extra material available on the course home page?	Number of Responses
1	0 (0.0%)
2	0 (0.0%)
3	5 (27.8%)
4	7 (38.9%)
5	6 (33.3%)
Total	18 (100.0%)



	Mean	Standard Deviation
the extra material available on the course home page?	4.1	0.8

the information given when the course started?

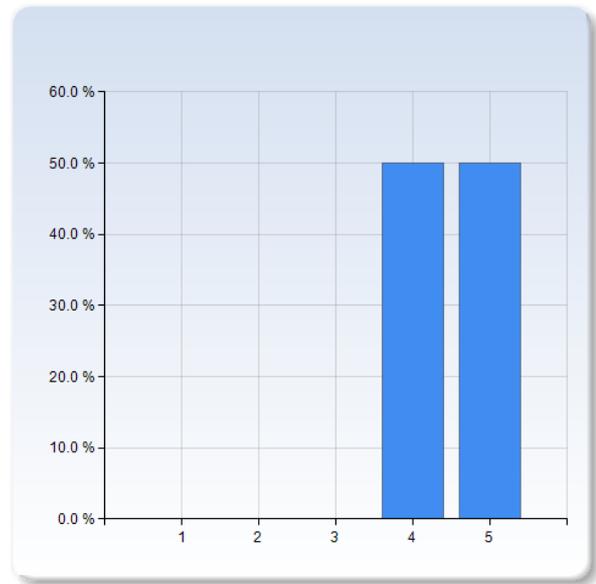
the information given when the course started?	Number of Responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	9 (50.0%)
5	9 (50.0%)
Total	18 (100.0%)



	Mean	Standard Deviation
the information given when the course started?	4.5	0.5

the information about what was expected of you?

the information about what was expected of you?	Number of Responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	9 (50.0%)
5	9 (50.0%)
Total	18 (100.0%)



	Mean	Standard Deviation
the information about what was expected of you?	4.5	0.5

Comment (*help us interpret your grades!*)

A very good course starting from the basics. The course book was on a good level and easy to read and understand. I did not make use of the extra material.

Well structured course with an easy to follow course book. The extra material on the course home page which I used was good. Did not notice any information I lacked when the course started, but I was a bit uncertain about what was expected of me on the oral exam.

It was a great course. The book worked well but had some strange quirks. I did not use any of the extra material from the course home page so I cannot really grade it.

Lectures and problem solving sessions

Give your opinion in the scale 1-5.

1 = very negative

2 = negative

3 = neutral

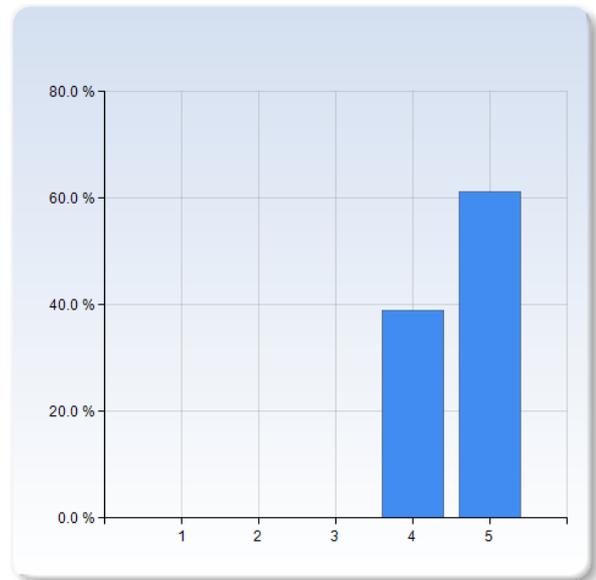
4 = positive

5 = very positive

What is your general opinion of...

the lectures?

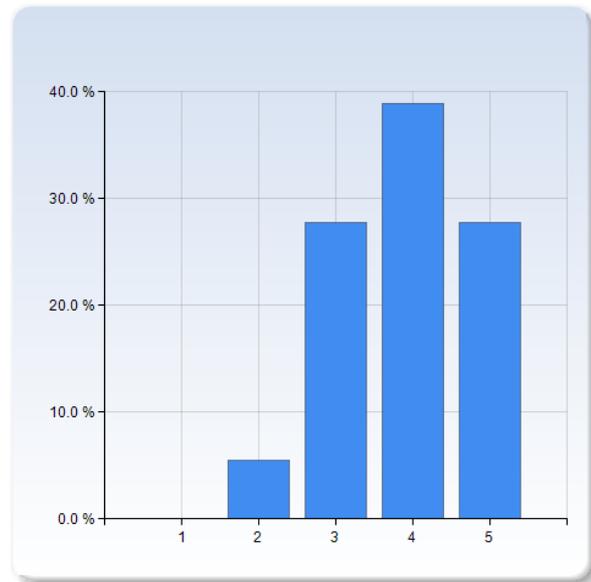
the lectures?	Number of Responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	7 (38.9%)
5	11 (61.1%)
Total	18 (100.0%)



the lectures?	Mean	Standard Deviation
	4.6	0.5

the problem solving sessions?

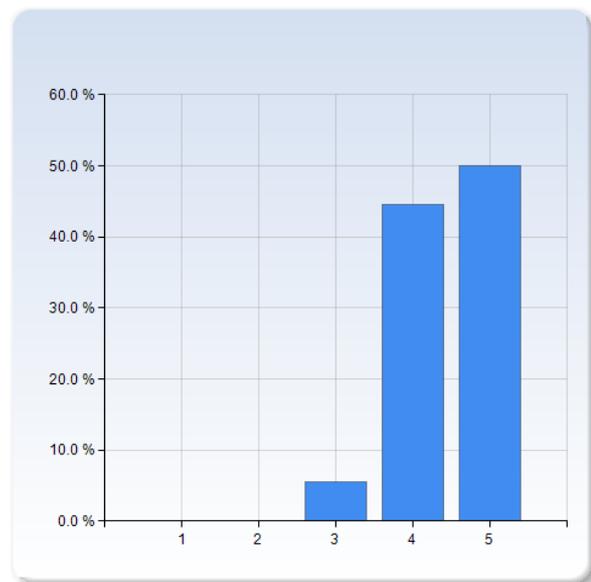
the problem solving sessions?	Number of Responses
1	0 (0.0%)
2	1 (5.6%)
3	5 (27.8%)
4	7 (38.9%)
5	5 (27.8%)
Total	18 (100.0%)



	Mean	Standard Deviation
the problem solving sessions?	3.9	0.9

the balance between lectures and problem-solving sessions?

the balance between lectures and problem-solving sessions?	Number of Responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (5.6%)
4	8 (44.4%)
5	9 (50.0%)
Total	18 (100.0%)



	Mean	Standard Deviation
the balance between lectures and problem-solving sessions?	4.4	0.6

Comment (*help us interpret your grades!*)

The format of the exercise sessions is generally not good. While not an issue in this specific course, I usually find that they do not provide any benefit, as if you've done the exercises it's a waste of two hours, and if you failed to complete an exercise it is often poorly explained by a student lacking pedagogical training.

The lecturer was very good and knew the subject well. The lectures were well outlined, perhaps a bit too high pace at times. The exercise sessions were helpful to understand the topics, especially when you were not able to solve it yourself. It was usually good that we students presented the solutions, but at times this caused some confusion in the solutions, especially if not well prepared.

Excellent lectures by Hans. In my opinion, the necessary mathematics were introduced very clearly and with an appropriate level of rigour.

It was great, especially the lectures which were well structured and thus easy to follow. While otherwise no problems, some problem solving sessions weren't long enough to go through all exercises.

The problem solving sessions could have been more engagement provoking, there was very little discussion and often times the feedback was rather vague.

My problem with the problem solving sessions are that if one solves every problem in advance, one only ticks off two hours of valuable study time. Joel did a good job under the circumstance but it's not the format for me.

It was sometimes a bit hard to distinguish between some specific variables (e.g. r and R).

A part from that, everything was well explained and good to read (if the pen did not become too weak).

Both Hans and Joel did good and I enjoyed both the lectures and problem solving sessions.

I didn't attend a single problem solving session, so I just gave it a "3".

I didn't have time to go to the problem solving sessions, but since solutions are uploaded afterwards, that wasn't an issue.

Examination

Give your opinion in the scale 1-5.

1 = very negative

2 = negative

3 = neutral

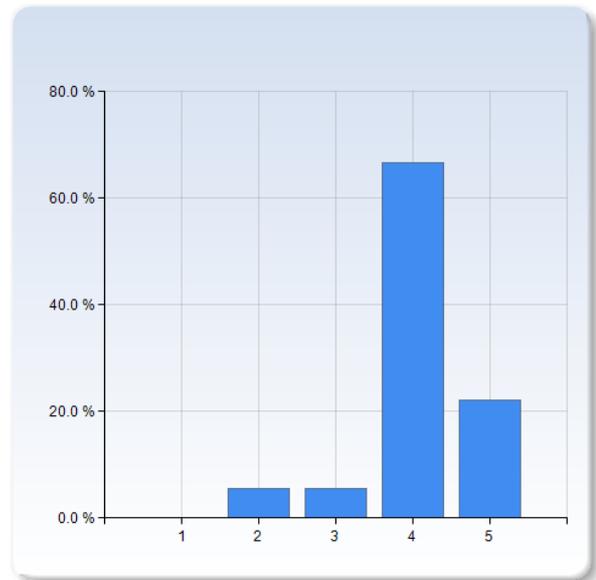
4 = positive

5 = very positive

What is your general opinion of...

the presentations?

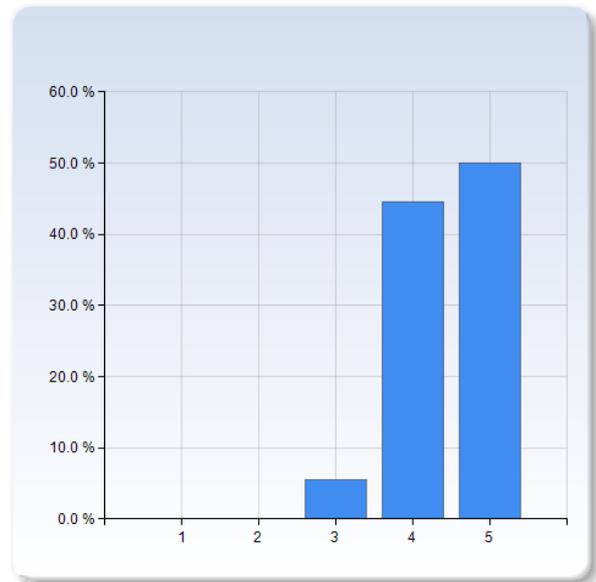
the presentations?	Number of Responses
1	0 (0.0%)
2	1 (5.6%)
3	1 (5.6%)
4	12 (66.7%)
5	4 (22.2%)
Total	18 (100.0%)



the presentations?	Mean	Standard Deviation
	4.1	0.7

the hand-in exercises?

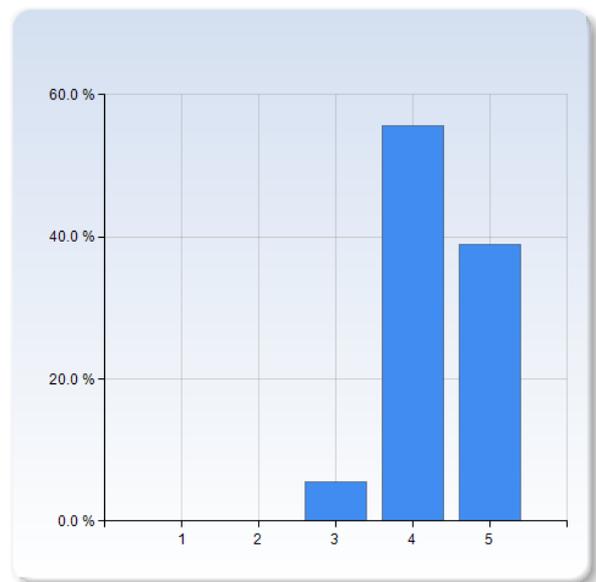
the hand-in exercises?	Number of Responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (5.6%)
4	8 (44.4%)
5	9 (50.0%)
Total	18 (100.0%)



the hand-in exercises?	Mean	Standard Deviation
	4.4	0.6

the oral exam?

the oral exam?	Number of Responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (5.6%)
4	10 (55.6%)
5	7 (38.9%)
Total	18 (100.0%)



the oral exam?	Mean	Standard Deviation
	4.3	0.6

Comment (help us interpret your grades!)

The presentations were a good opportunity to go deeper into a more advanced topic, and get an overview of others. The exercises were well adapted to the contents of the course. The expected knowledge on the oral exam was appropriate for the course, and very close to the important topics of the lectures. The focus was more on concepts and understanding than on memorizing things, which was very good.

It was emphasized that the presentations were an opportunity to practice giving talks and did not affect the grade. This, I think, made the seminars more enjoyable for the speaker and the audience as the focus was on practice and learning about interesting advanced topics.

The presentations were presentations, they were good, but not anything exceptionally special. The best aspect of the hand-in exercises, is that you did not know which one was the hand-in (but of course you could have some reasonable guesses) and this thus forced us students to try to solve all of them. The oral exam was good as it felt calm and not that stressful.

The above three moments forced me to participate in the course which is a positive thing. The opportunity to study something special with Hans being open to topic suggestions for the presentations is something that I appreciate!

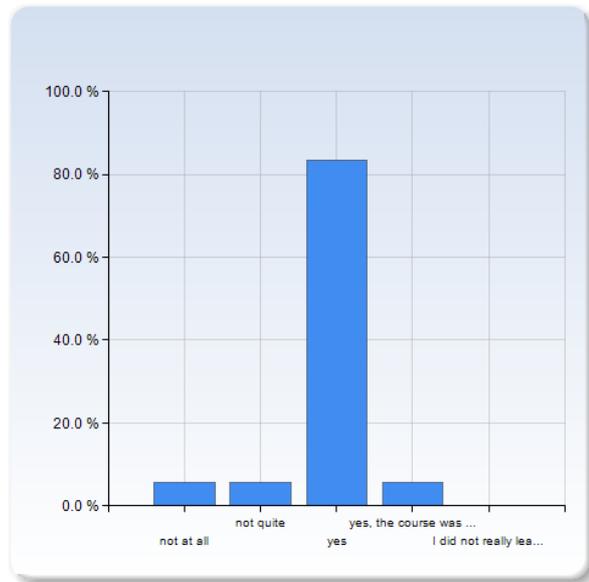
Four examination parts (including assignments) are a lot for a single course.

The presentations were nice but did not feel that important. The take-home exam was at an appropriate level and actually rather fun to do. It was a good flow through the oral exam with reasonable and on-topic questions.

It might be good to have some preparation time in the oral exam so you can prepare the derivations. For me it's always a hundred times harder to do anything if I'm being watched

Did you have enough prior knowledge for this course?

Did you have enough prior knowledge for this course?	Number of Responses
not at all	1 (5.6%)
not quite	1 (5.6%)
yes	15 (83.3%)
yes, the course was a bit easy	1 (5.6%)
I did not really learn anything new	0 (0.0%)
Total	18 (100.0%)



	Mean	Standard Deviation
Did you have enough prior knowledge for this course?	2.9	0.6

If your prior knowledge was not fairly appropriate, please comment!

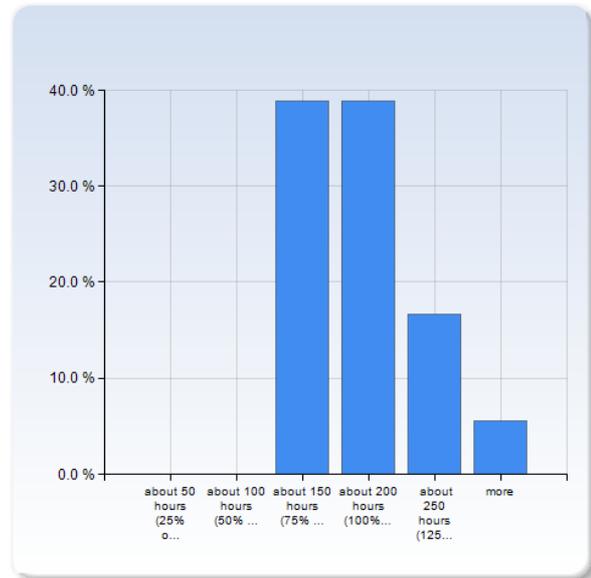
What prior knowledge was missing/overlapping?

What is your background (year of higher education, relevant courses)?

I believe that someone familiar with tensors and index notation have an upper hand, but the course gives good opportunity to practice notation through the balanced and well chosen exercises.

How much time have you spent on the course? (In total you are supposed to spend about 200 hours or 25 work-days on a 7.5 hp course)

How much time have you spent on the course? (In total you are supposed to spend about 200 hours or 25 work-days on a 7.5 hp course)	Number of Responses
about 50 hours (25% of intended time)	0 (0.0%)
about 100 hours (50% of intended time)	0 (0.0%)
about 150 hours (75% of intended time)	7 (38.9%)
about 200 hours (100% of intended time)	7 (38.9%)
about 250 hours (125% of intended time)	3 (16.7%)
more	1 (5.6%)
Total	18 (100.0%)



	Mean	Standard Deviation
How much time have you spent on the course? (In total you are supposed to spend about 200 hours or 25 work-days on a 7.5 hp course)	3.9	0.9

Comments (for example on the distribution of the workload and whether you feel you have been able to perform at the level you wanted to)

I feel like I have performed at the level I wanted, so I am quite happy with my output in this course.

My time was not evenly distributed. I spent a lot more time towards the end of the course with the take-home exam and the oral exam than I did in the beginning and middle of the course.

Time between last hand-in and the oral exam was quite short

Discrimination and harassment

According to the Lund University Policy for gender equality, equal treatment and diversity, there is "zero tolerance of discrimination"

Have you become aware of any cases of discrimination or harassment during the course? If so please indicate in what way?

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Have you become aware of any cases of discrimination or harassment during the course? If so please indicate in what way?

No.

I have not been aware of any cases of this nature.

No.

No, I have not.

No.

Equal treatment

According to the Lund University *Policy for gender equality, equal treatment and diversity*, everyone has the right to be "treated with respect and consideration and being given the opportunity to develop on the basis of his or her personal circumstances".

Do you think that everyone has been given equal opportunities during the course? If not, please specify in what way? Suggestions for improvements are also welcome.

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Do you think that everyone has been given equal opportunities during the course? If not, please specify in what way? Suggestions for improvements are also welcome.

Yes.

I have not been aware of any cases where everyone has not been given equal opportunities.

Yes.

Yes, I think so.

Yes.

What did you particularly like with the course?

What did you particularly like with the course?

Very knowledgeable teachers, and good pedagogy. Nice combination of assessments.

The lecturer was very good and the course was well outlined to begin with the basics of SR and then move via tensors and differential geometry (what was needed later) into GR. It made it possible to follow why we did things in a certain way and how to think of the subject.

I really enjoyed the interplay between the maths and physics in this course. General relativity is a wonderful piece of theoretical physics, it is a pleasure having Hans guide us through it.

While the subject is interesting in its own, I think the course had a nice flow (structure) which made it very easy to absorb the new information.

The lectures were generally good, with a good flow and clear structure. Some excursions were a little bit more difficult to follow formally in cases where prior knowledge was lacking (e.g. the outlook on stellar structure and neutron stars). The variation in style of the given presentation on detection of gravitational waves was a good choice, using slides as an exception. Equations belong to the white board but historical and contemporary context may benefit from this choice.

The presentations, homework, take-home exam together with the oral exam necessitates participation in the course which I highly approve!

A very detailed course book.

To see the math which explains the weird and exotic phenomena.

I really like Hans' teaching style, very engaging and he emphasises what's important. I also like that the grade is not only based on the oral exam but on the presentation and the home exam as well.

What in the course do you think could improve?

What in the course do you think could improve?

Nothing.

Although I appreciate the problem solving sessions very much, I felt like a lot of time was wasted writing down equations and definitions. More than once we ran out of time and either had to stay longer, or skip some of the problems. Since the solutions are uploaded to the course website anyway, perhaps focus could be shifted to discussing problems using words rather than writing down every single mathematical step on the board?

While a course is never perfect and can always improve, I do not personally have anything major to mention. I could give small comments on specific situations with problems, but these would be problems which did not in general appear otherwise in the course. But I do not believe this to be constructive.

As above, the format of problem solving sessions are not my preferred style.

Nothing really comes to mind.

- more time between last hand-in and oral exam

Other comments (both positive and negative) on the course?

Other comments (both positive and negative) on the course?

The book is voluminous, and difficult to read it all carefully in the span of two months.

The level of the course was good, not too easy and not too advanced for us without preknowledge of GR.

For future students: give your best in presentations and home exam, they might save you if your oral exam doesn't go as planned.

I really enjoyed the course!!!
