



---

## Report - SG2214 - 2019-11-18

---

Respondents: 1  
Answer Count: 1  
Answer Frequency: 100.00 %

---

Please note that there is only one respondent to this form: the person that performs the course analysis.

**Course analysis carried out by (name, e-mail):**

Anders Dahlkild, aad@kth.se

---

**COURSE DESIGN**

**Briefly describe the course design (learning activities, examinations) and any changes that have been implemented since the last course offering.**

14x2h F  
14x2h Ö  
4x1h Tutorials  
1x3h LAB

---

**THE STUDENT'S WORKLOAD**

**Does the students' workload correspond to the expected level (40 hours/1.5 credits)? If there is a significant deviation from the expected, what can be the reason?**

The median of the answers was about 13 hours per week, some considerably more, some considerably less.  
(According to course credits 7,5 it should have been 20 hours per week. If you add 6 hours per week for teaching in class one gets 19 hours per week, which is then according to the expected value (in average).

---

**THE STUDENTS' RESULTS**

**How well have the students succeeded on the course? If there are significant differences compared to previous course offerings, what can be the reason?**

Result not as good as last year

5 A  
0 B  
6 C  
11 D  
5 E  
7 F

---

**OVERALL IMPRESSION OF THE LEARNING ENVIRONMENT**

**What is your overall impression of the learning environment in the polar diagrams, for example in terms of the students' experience of meaningfulness, comprehensibility and manageability? If there are significant differences between different groups of students, what can be the reason?**

Questions answered: 1, 4, 15, 16, 21, 22  
Overall the curve is fairly even 5,2 < answer < 6,8  
No big difference between groups.

---



#### **ANALYSIS OF THE LEARNING ENVIRONMENT**

**Can you identify some stronger or weaker areas of the learning environment in the polar diagram - or in the response to each statement - respectively? Do they have an explanation?**

Lowest score is for 1: I worked with interesting issues 5,2

Highest score is for 22: I was able to get support if I needed it 6,8

Explanation

1. The course is a fundamental course in physics and applications are possibly not so extraordinary.

22. Possibly the HW problem tutorials is of good help.

#### **ANSWERS TO OPEN QUESTIONS**

**What emerges in the students' answers to the open questions? Is there any good advice to future course participants that you want to pass on?**

Some students wants more problems to work on by their own (without being graded). Instructions how to solve them.

Advice: Start doing the assignments early on in the course.

What was the best aspect of the course?

(I worked: 3-5 timmar/vecka)

The teacher, the content, the structure.

(I worked: 12-14 timmar/vecka)

The learning environment or the structure of the course is well defined and it is ideal for most of the people to grasp the concepts. the number of hours of instruction was consistent with the content, the learning rate was correct

(I worked: 36-38 timmar/vecka)

The subject. Anders and Armin made the course great.

What would you suggest to improve?

(I worked: 3-5 timmar/vecka)

Nothing comes to mind.

(I worked: 12-14 timmar/vecka)

I would suggest to give the students lots of problem sheets to work upon without being graded. So, they can work on them and improve their understanding and problem solving capabilities. Maybe 1 or 2 additional lecture schedules in general can be included for revisiting the topics that was covered fastly.

Have more presented exercises so that the statement and resolution process is clearly defined

What advice would you like to give to future participants?

(I worked: 3-5 timmar/vecka)

Start with the assignments early.

(I worked: 12-14 timmar/vecka)

Focus on understanding the concepts and work on problem sets.

really read the book that helps to understand the concepts

Is there anything else you would like to add?

(I worked: 3-5 timmar/vecka)

Good and fun course.

#### **PRIORITY COURSE DEVELOPMENT**

**What aspects of the course should primarily be developed? How could these aspects be developed in the short or long term?**

Encourage problem solving on the side.