

PUBLISHED COURSE ANALYSIS



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A course analysis has been carried out and published by the course convener.

The Karlstad University evaluation tool is owned by the Professional Development Unit and is managed by the systems group for educational administration, Student Centre.

Quantum Physics I, 7.5 ETCS cr. (FYGB07)

Course convener: Jürgen Fuchs

Basic LADOK data

Course Code: FYGB07

Application Code: 31301

Semester: VT-18

Start Week: 201814

End Week: 201823

Pace of Study: 50%

Form of Study: Campus

Course Data

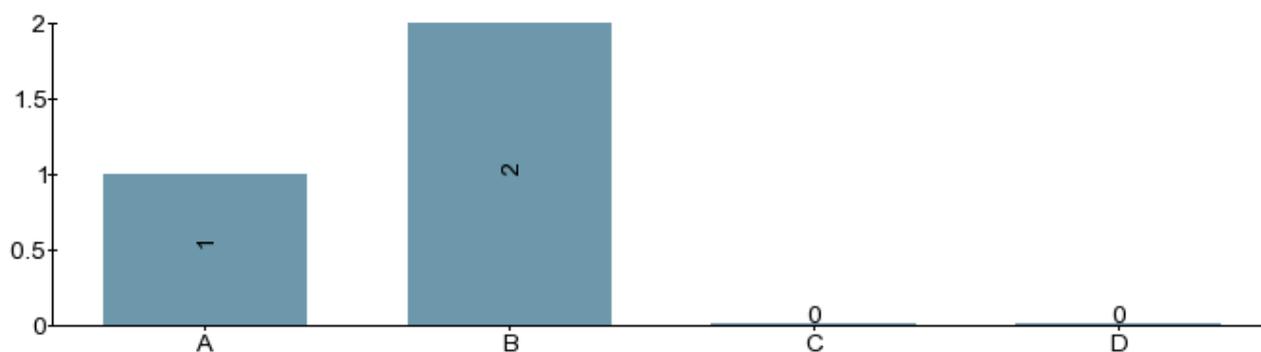
Number of questionnaires answered: 3

Number of first registrations^[1]: 12

Changes suggested in the course analysis of the previous course date:

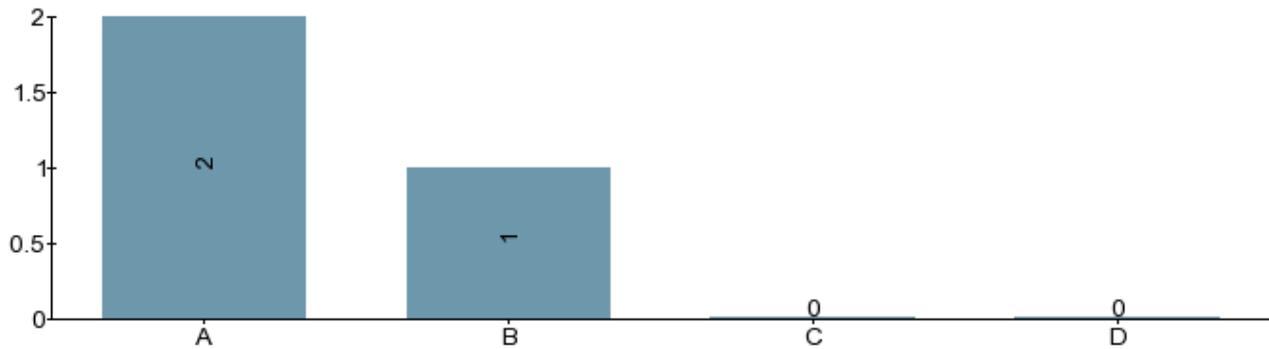
- 1) 3 instead of 2 "duggor" - this was not done, owing to difficulties with the scheduling that resulted from the fact that this time two teachers were involved.
- 2) List the book by Zetveli as reference literature on the home page of the course - done.
- 3) Adapt the choice of problems taken up in exercise lessons - done, by largely following the suggestions by students (which was easy this time due to the small number of students).

1. During the course I developed the knowledge, skills and other competencies described in the learning outcomes.



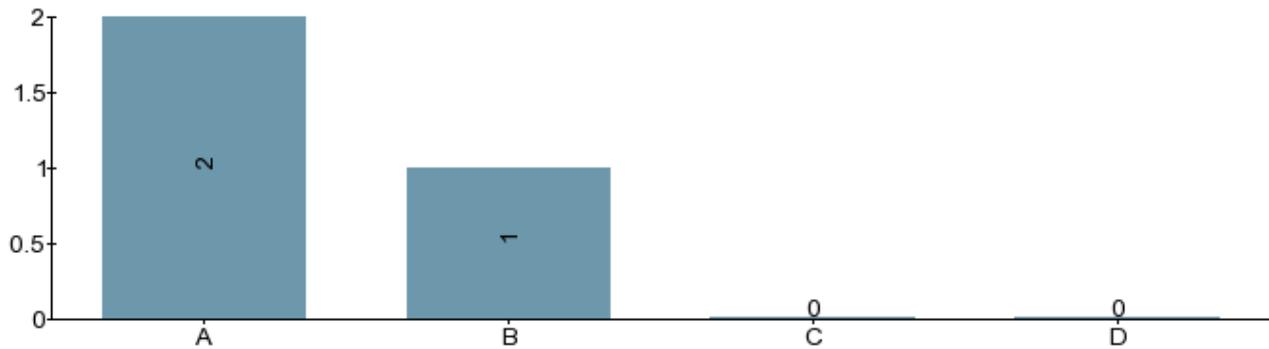
- A) To a very great extent
- B) To a great extent
- C) To a certain extent
- D) To a very little extent/Not at all

2. In the examinations, I had the opportunity to demonstrate if I have acquired the knowledge, skills and other competencies described in the learning outcomes.



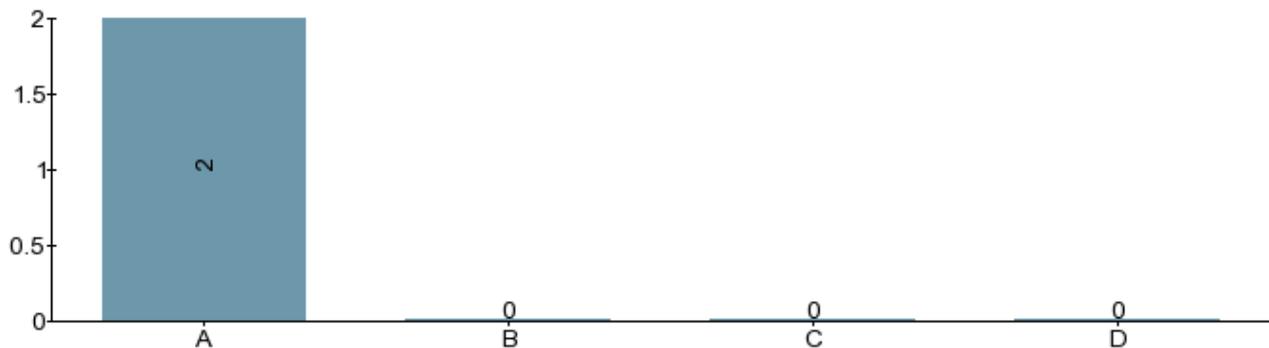
- A) To a very great extent
- B) To a great extent
- C) To a certain extent
- D) To a very little extent/Not at all

3. On average, I spent the following number of hours on coursework per week:



- A) More than 40 hours (or more than 20 hrs at 50% study pace, more than 10 hrs at 25% study pace)
- B) Between 30-39 hours (or between 15-19 at 50% study pace, between 8-10 at 25% study pace)
- C) Between 20-29 hours (or between 10-14 at 50% study pace, between 5-7 at 25% study pace)
- D) Less than 20 hours (or less than 10 at 50% study pace, less than 5 at 25% study pace)

4. During the course, I have found that teachers and other staff have been:



- A) Professional and very accommodating
- B) Professional and accommodating
- C) Professional
- D) Deficient

should also be analysed here. Any effect of joint courses should be commented on.

The course works fine, but in the future changes will be required to adapt to changes that are planned for earlier courses. Depending on the precise changes, it should be considered to switch to the book by Griffiths as primary literature.

The students were largely satisfied. Note that this cannot safely be deduced from the electronic evaluation because of the small number of answers. But it is corroborated by the students' statements in an oral evaluation meeting in connection with the last lecture.

In the oral evaluation it turned out that the students are not familiar with the delta function from earlier mathematics courses, even though the Heavyside step function had appeared in various courses. A more detailed discussion of the delta function would therefore make sense. This should, however, preferably be done already in the Electromagnetic Field Theory course (FYGB03/FYGB09).

Suggestions for changes to the next course date.

- 1) 3 "duggor" instead of 2.
- 2) Add more comments on the book by Griffiths on the home page of the course.
- 3) Possibly increase slightly the number of points allocated to Part 1 of the written exam.

1. **Number of first registrations for a course:** First registration = the first time a student registers for a specific course.