

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.

Advanced Quantum Mechanics, 7.5 ETCS cr. (FYAD04)

Course convener: Jürgen Fuchs

Basic LADOK data

Course Code: FYAD04

Application Code: 32224

Semester: HT-18

Start Week: 201845

End Week: 201903

Pace of Study: 50%

Form of Study: Campus

Course Data

Number of questionnaires answered: 1

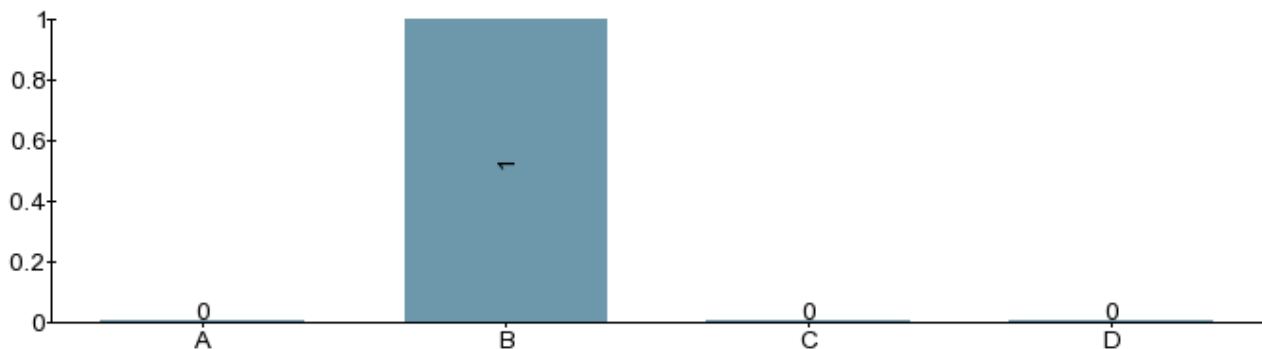
Number of first registrations^[1]: 2

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

- (1) Reduce the maximal length of sessions.
- (2) Treat time-independent perturbation theory only cursory in a lecture.
- (3) Give a crash course on pertinent aspects of group theory.

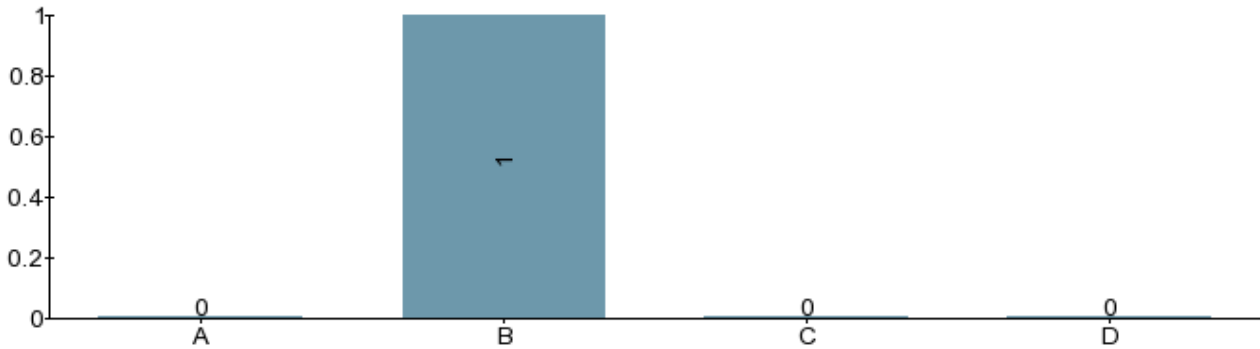
All suggested changes were implemented.

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



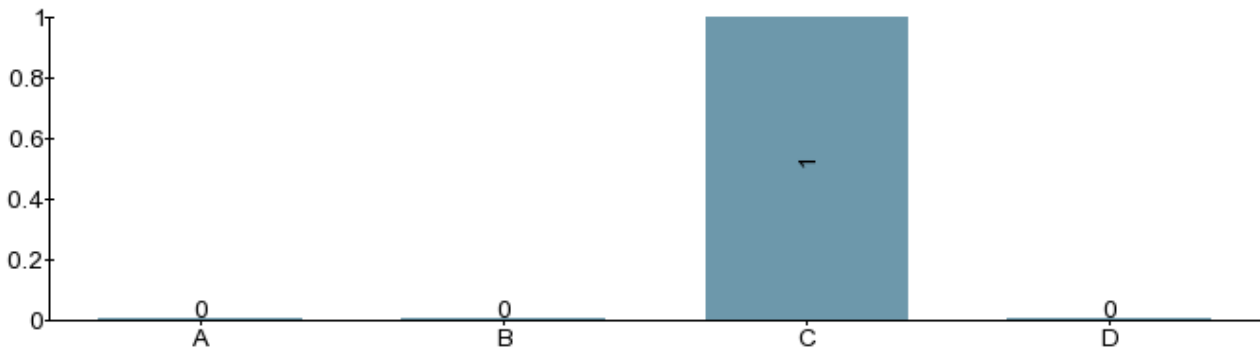
- A) To a very great extent
- B) To a great extent
- C) To a certain extent
- D) To a very little extent/Not at all

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.



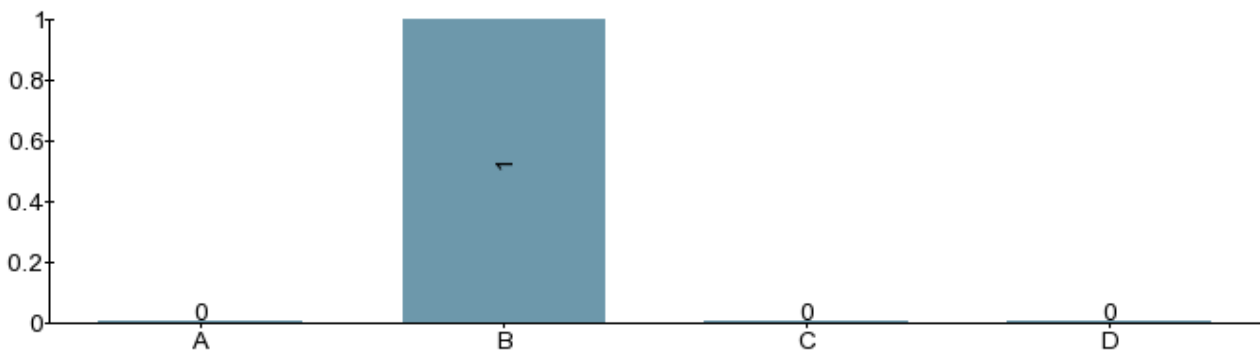
- A) To a very great extent
- B) To a great extent
- C) To a certain extent
- D) To a very little extent/Not at all

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.

There were only two students and only one of them filled in the electronic evaluation form. But one student gave additional detailed feedback by email.

Because of the small number of students, it was not possible to follow the ordinary setup of the course (large parts presented by the students). Instead considerable parts were given as ordinary lectures. Still the workload due to the presentations was higher for the students than usual; as a consequence the amount of homework problems was reduced. A larger portion of homework problems than previously was individual.

Suggestions for changes to the next course date.

No direct changes are needed.

On a longer term perspective, changes in the course plan will be necessary in order to further reduce the overlap with the course Quantum physics II.

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