

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: 27544

Semester: HT-16

Start Week: 201645

End Week: 201703

Pace of Study: 50%

Form of Study: Campus

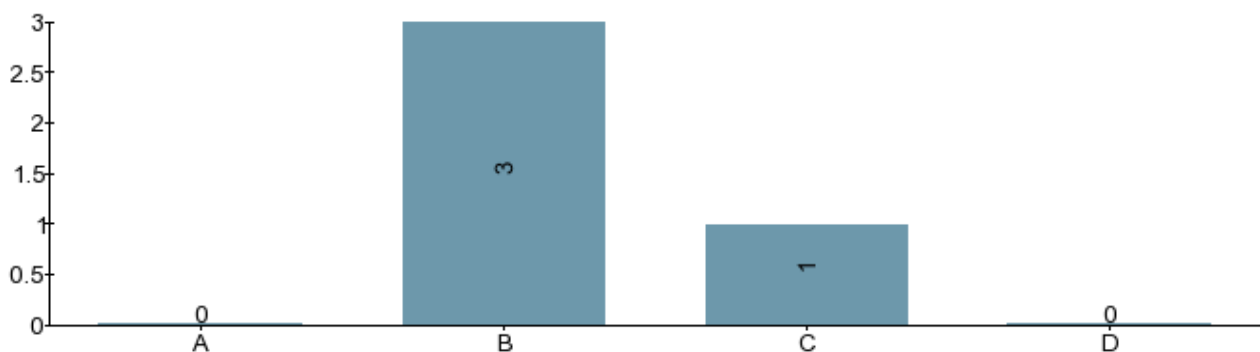
Course Data

Number of questionnaires answered: 4

Number of first registrations^[1]: 8

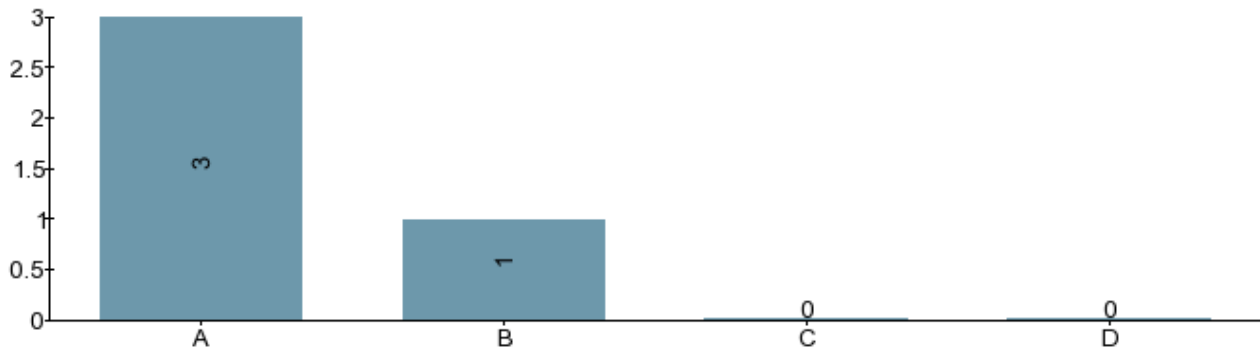
Changes suggested in the course analysis of the previous course date:

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



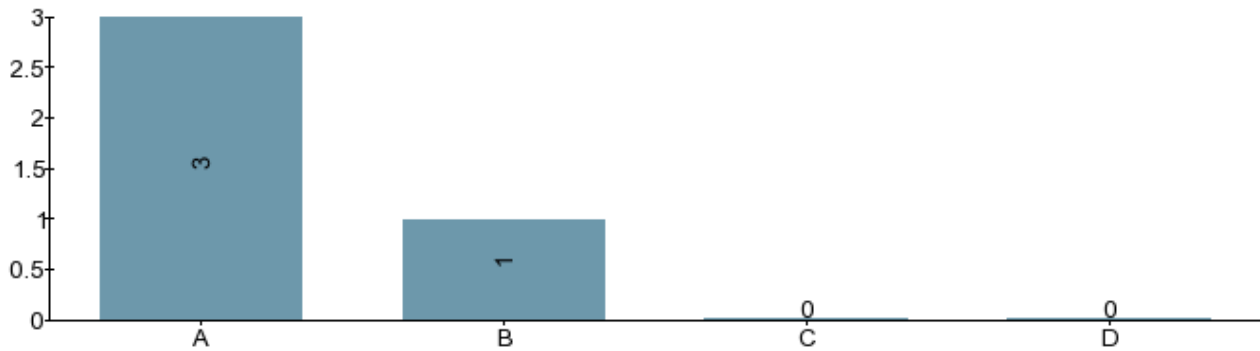
- A) To a very great extent
- B) To a great extent
- C) To a certain extent
- D) To a very little extent/Not at all

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.



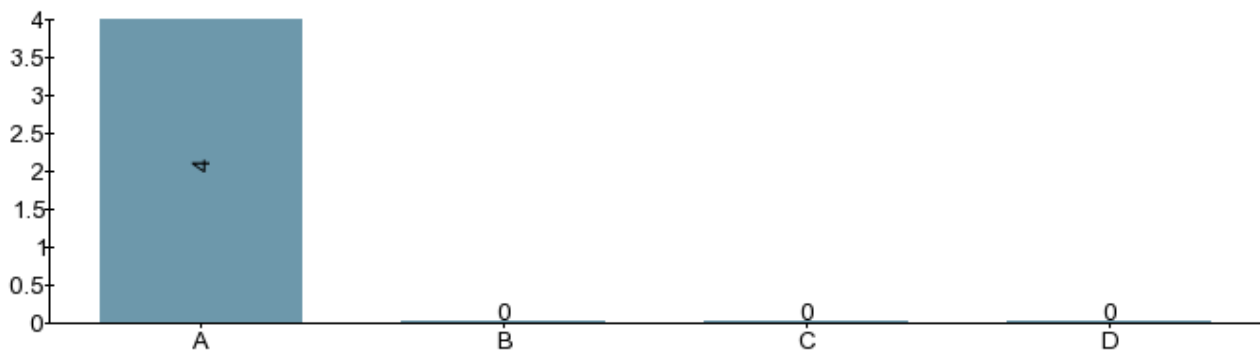
- A) To a very great extent
- B) To a great extent
- C) To a certain extent
- D) To a very little extent/Not at all

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 was considered as difficult and time-consuming by the students. This was accepted as being unavoidable, but the minimum amount of work needed for a pass grade was considered too high by some students. On the other hand, the outcome of the examination was very good (one student 30 out of 50 points, all others above 35 points), so that this opinion can be questioned.

The course book was strongly criticized by some of the students. Also in the opinion of the teacher it is not particularly good, even though it is the standard literature at many universities. However, so far it was not possible to find a better book that suits the purposes of the course.

There were also a few specific suggestions by some of the students which should be easy to implement: add a further introductory lecture on Chapter 3; require a minimum number of points for the oral exam; better account for the variations in difficulty of the homework problems; better correlate the deadlines for homework problems with the relevant lectures.

Suggestions for changes to the next course date.

(1) Change the literature to the most recent edition of Sakurai-Napolitano and adapt the reading instructions accordingly.

(2) Add another introductory lecture on Chapter 3, reduce the time allocated to the introductory lecture on Chapter 4.

(3) Improve the distribution of homework problems, paying better attention to the variations in their degree of difficulty.

(4) Better temporal correlation between lectures and deadlines for homework problems.

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