

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: 25419

Semester: HT-15

Start Week: 201545

End Week: 201603

Pace of Study: 50%

Form of Study: Campus

Course Data

Number of questionnaires answered: 7

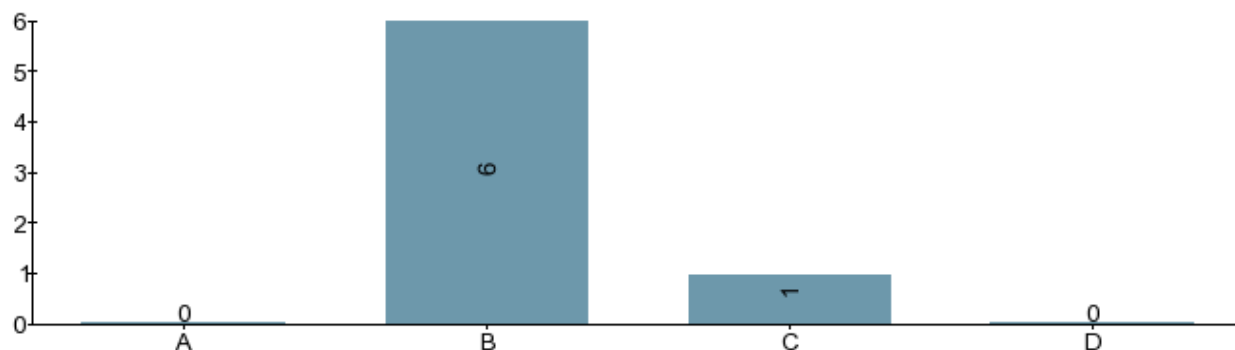
Number of first registrations^[1]: 7

Performance indicator^[2]: 0%

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

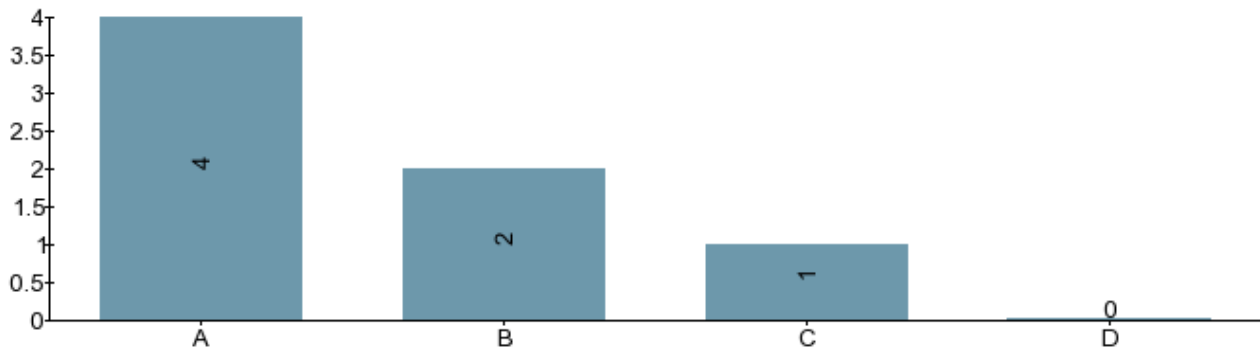
Change book to new version (by Sakurai-Napolitano) and adapt the distribution of the contents into lectures and presentations accordingly.

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



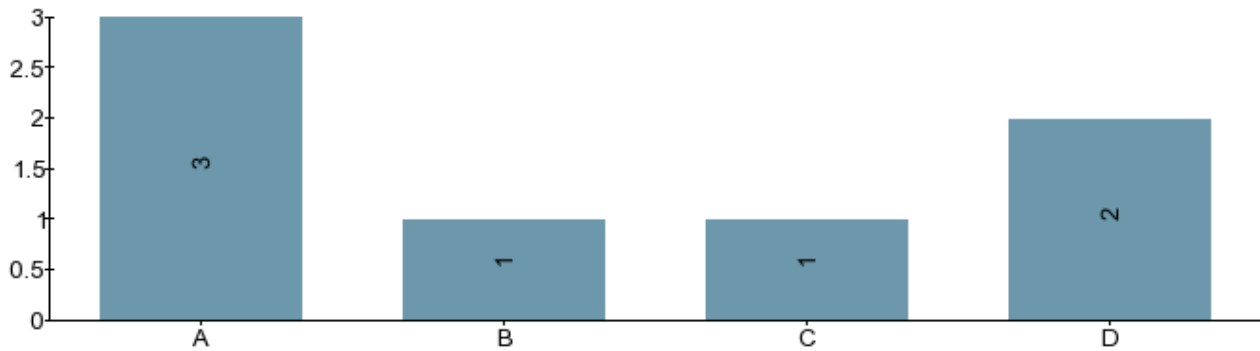
- A) To a very great extent
- B) To a great extent
- C) To a certain extent
- D) To a very little extent/Not at all

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.



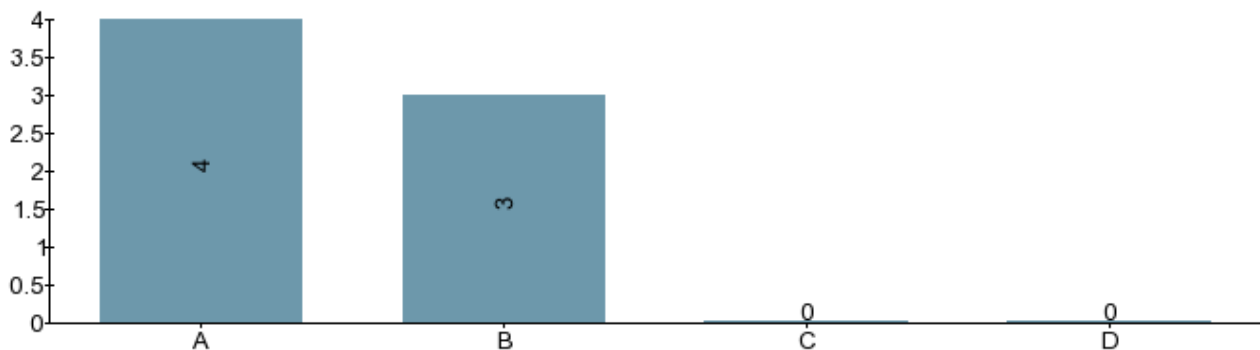
- A) To a very great extent
- B) To a great extent
- C) To a certain extent
- D) To a very little extent/Not at all

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

has been collected in other ways, it should also be analysed here. Any effect of joint courses should be commented on.

- Overall the course works very well. But a few minor adjustments (see below) will improve it; all of these were suggested by the students.

- The work load was regarded as high by some of the students. This can hardly be avoided.

- During the course each of the students improved the quality of their presentations of considerably, This appears to be important from a program perspective.

- There exist different editions of the course book. In one of them Chapter 8 has been removed. Possibly the literature list must be updated.

Suggestions for changes to the next course date.

- Spend less time on Chapter 2 and more time on later chapters, in particular on Scattering.

- Distribute the number of points more evenly between homework problems and oral presentations.

- Require a Pass grade in the oral exam as a condition for a Pass grade for the whole course.

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1. **Number of first registrations for a course:** First registration = the first time a student registers for a specific course.
 2. **Number of students completing a whole course (final Pass grade) at the time of analysis** = the extent to which students complete the registered course credits, calculated by dividing the number of students completing a whole course at the time of analysis with the number of first-time registered students for the course.