PUBLISHED COURSE ANALYSIS

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.

Analytic mechanics I, 7.5 ETCS cr. (FYGB08)
Course convener: Jürgen Fuchs

Basic LADOK data

Course Code:	FYGB08
Application Code:	30403
Semester:	HT-17
Start Week:	201745
End Week:	201803
Pace of Study:	50%
Form of Study:	Campus

Course Data

Number of questionnaires answered: 6

Number of first registrations[1]:   15

Changes suggested in the course analysis of the previous course date:
(1) Try to reduce the time delay between the deadline for homework problems and their treatment in an exercise session.
(2) Reduce the amount of information given for some parts of the course, such as for the one dealing with small vibrations.
(3) At course start, point out strongly that solving all homework problems is time consuming and is not indispensable for achieving a high grade.
On a longer time scale:
(4) Move the discussion of the special theory of relativity completely to other courses. This will require changes in several course plans and is therefore a long-term project

Changes (1), (2) and (3) were implemented. The proposed change (4) turned out to be unrealistic. After discussion with other teachers it was decided to keep the special theory of relativity within the present course.

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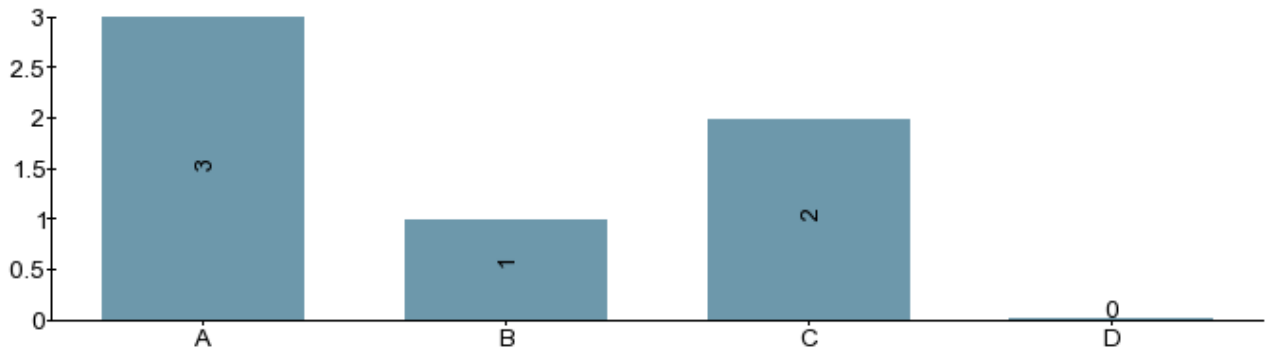

A) To a very great extent
B) To a great extent
C) To a certain extent
D) To a very little extent/Not at all

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.
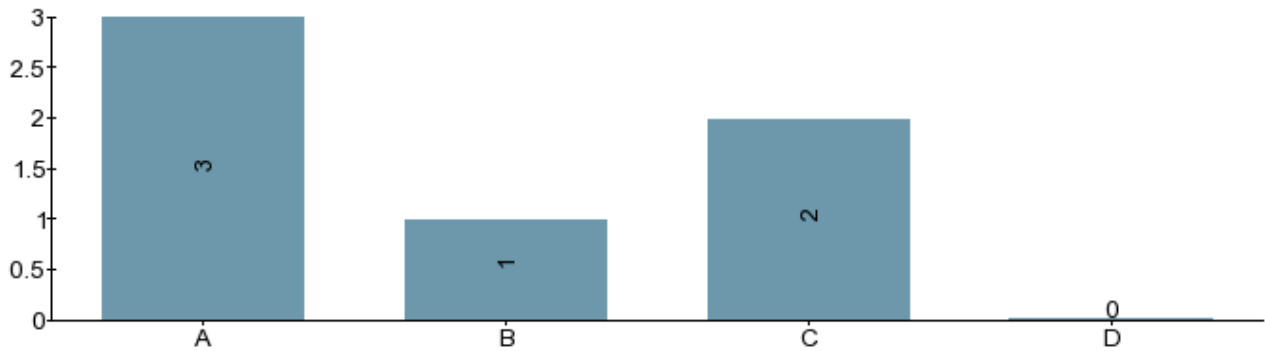

A) To a very great extent
B) To a great extent
C) To a certain extent
D) To a very little extent/Not at all

3. On average, I spent the following number of hours on coursework per week:
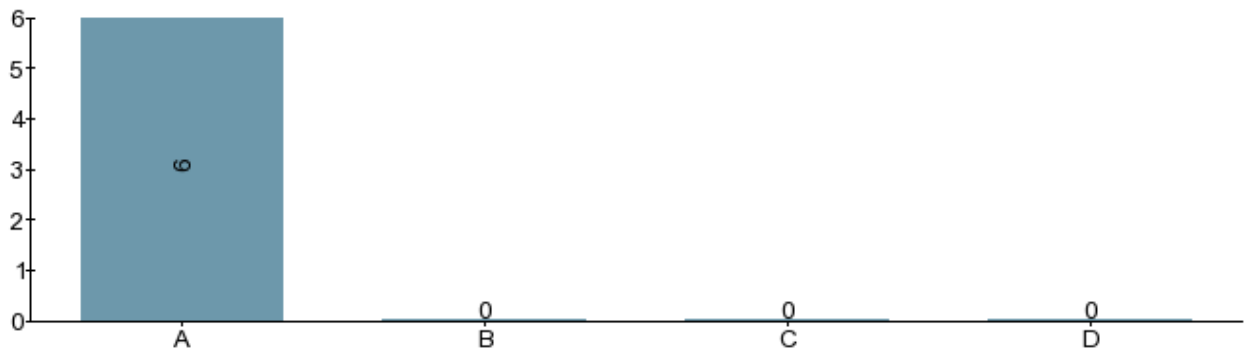
A) More than 40 hours (or more than 20 hrs at 50% study pace, more than 10 hrs at 25% study pace)
B) Between 30-39 hours (or between 15-19 at 50% study pace, between 8-10 at 25% study pace)
C) Between 20-29 hours (or between 10-14 at 50% study pace, between 5-7 at 25% study pace)
D) Less than 20 hours (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:
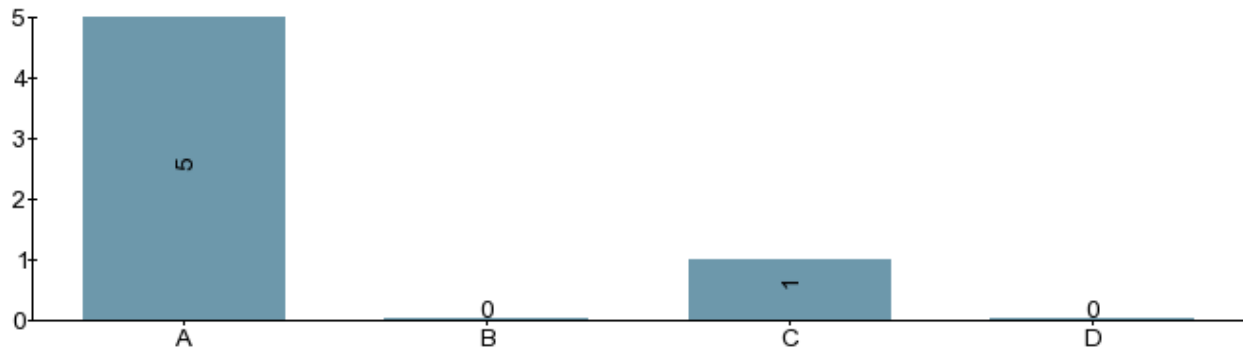
A) Professional and very accommodating
B) Professional and accommodating
C) Professional
D) Deficient

Analysis based on course evaluation, including comments fields. If information has been collected in other ways, it should also be analysed here. Any effect of joint courses should be commented on.

The course works in general well, but it is considered as hard by most students. Specifically, the total amount of information given in the lectures was considered too large by several students. On the other hand, it was also suggested to add an illustrative example at the end of each part in which new concepts are introduced.

One student claimed that some parts of the material were not examined. This complaint supposedly concerns the theory of relativity, for which it is hard to give suitable homework problems.

Most of the students appreciated the form of the examination (homeork plus project). But more detailed instructions about how to conduct the project was requested. Also, it happened for the first that several students who had given an adequate oral presentation of their project did not hand in a written project report.

Suggestions for changes to the next course date.

(1) Treat some further parts of chapters 3 and 4 in a more cursory way,

(2) Add a few further explicit worked-out examples to illustrate the theoretical developments.

(3) Find better homework problems dealing with special relativity.

(4) Hand out detailed instructions about the project at an early stage.

(5) Increase the efforts for guaranteeing that students solve the homework problems individually.

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