

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.

Manufacturing Technology 2, 7.5 ECTS cr. (MTAD21)

Course convener: Leo de Vin

Basic LADOK data

Course Code: MTAD21

Application Code: 37756

Semester: HT-21

Start Week: 202135

End Week: 202144

Pace of Study: 50%

Form of Study: Campus

Course Data

Number of questionnaires answered: 10

Number of first registrations^[1]: 28

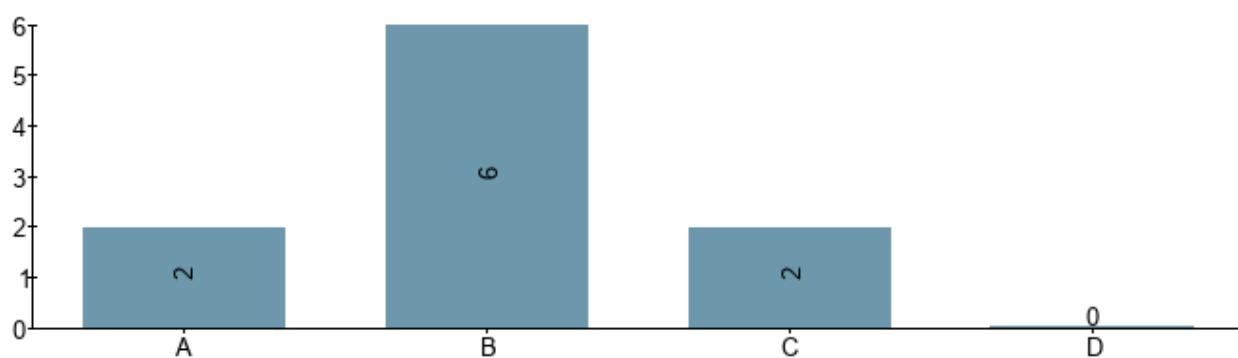
Changes suggested in the course analysis of the previous course date:

Introduction of a machine learning exercise - done

More time for JaamSim exercise and possibility to do the exercise from home - done

New version of course literature - not yet available

1. The contents and structure of the course has supported the achievement of the learning outcomes



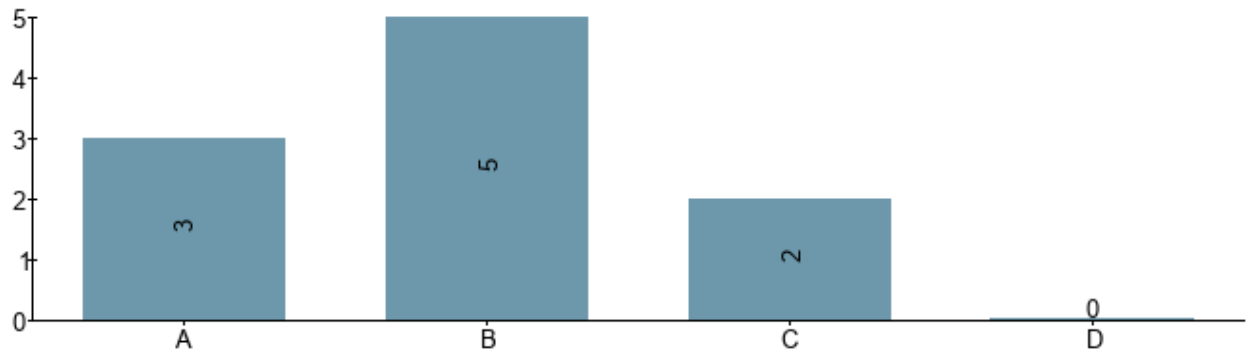
A) To a very large extent

B) To a large extent

C) To some extent

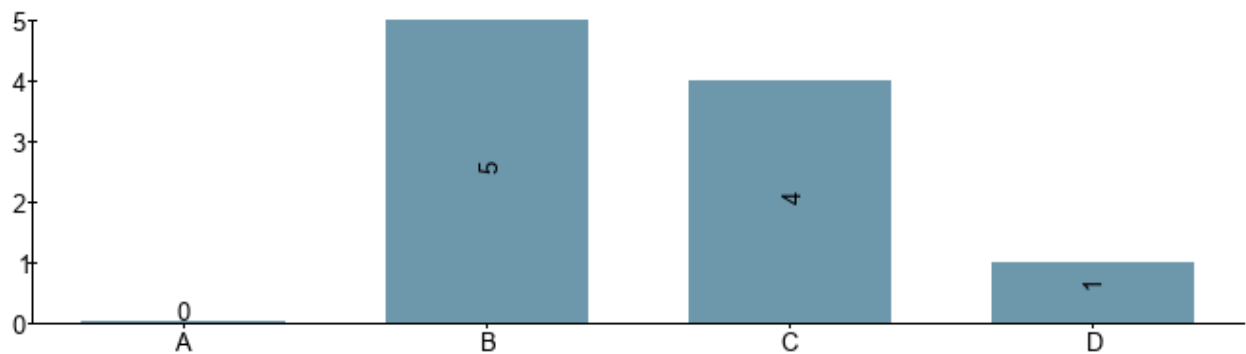
D) To a little extent or not at all

2. The assessments included in the course have given me the opportunity to demonstrate my achievement of the learning outcomes



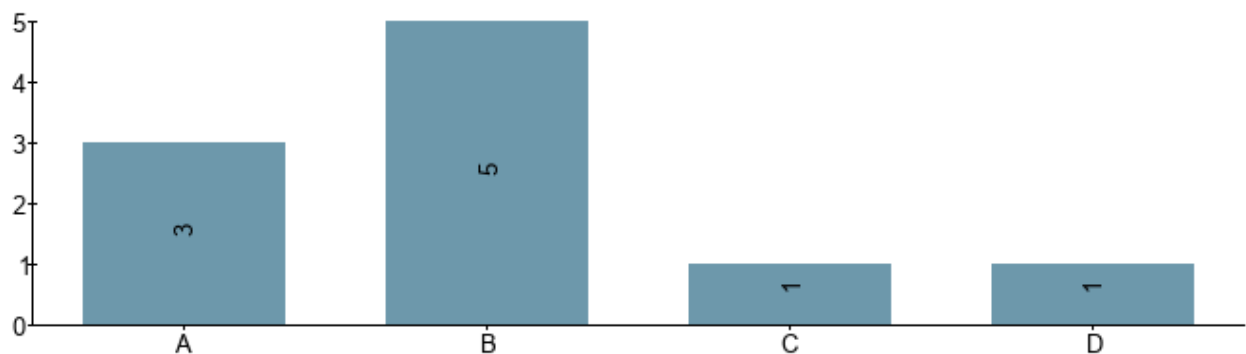
- A) To a very large extent
- B) To a large extent
- C) To some extent
- D) To a little extent or not at all

3. My workload (including scheduled activities and independent work) during the course has been



- A) 40 hours per week or more (or 20 per week or more for courses given as half-time studies, 10 hours or more for courses given as part-time studies)
- B) Between 30 and 39 hours per week (or between 15 and 19 hours for courses given as half-time studies, or between 8 and 9 hours for courses given as part-time studies)
- C) Between 20 and 29 hours per week (or between 10 and 14 hours for courses given as half-time studies, or between 5 and 7 hours for courses given as part-time studies)
- D) Less than 20 hours per week (or less than 10 hours per week for courses given as half-time studies, or less than 5 hours for courses given as part-time studies)

4. During the course, I have experienced the reception from teachers and other staff as professional



- A) To a very large extent
- B) To a large extent
- C) To some extent
- D) To a little extent or not at all

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.

Literature exercise was appreciated. Students suggested (in the survey) to publish the reports to all course participants.

There were occasional problems with saving JaamSim files, without a clear pattern. This was solved by allowing students to do the exercise pairwise. As the software is free, some students carried out the exercise as a home assignment (this was offered as an alternative due to the Covid-19 situation).

This year, the course was delivered in English (as planned from the start). No issues have been noted. The students were allowed to answer exam questions in either English or Swedish (and some students even mixed this, depending on the question).

Suggestions for changes to the next course date.

We might consider rounding off the literature assignments with a "mini-seminar" but that would require spreading the assignments more evenly. In past course instances, students could select "any topic" from a list, meaning that multiple groups could select the same topic. When many groups/individuals select the same topic, then presentations are likely to be similar.

The relevance of robotic research for development of future industrial robots may need to be highlighted.

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