

PUBLISHED COURSE ANALYSIS



Publishing date: 2021-08-22

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.

Internet of Things, 7.5 ECTS cr. (DVAD70)
Course convener: Stefan Alfredsson

Basic LADOK data

Course Code: DVAD70
Application Code: 37563
Semester: VT-21
Start Week: 202103
End Week: 202122
Pace of Study: 25%
Form of Study: Distans

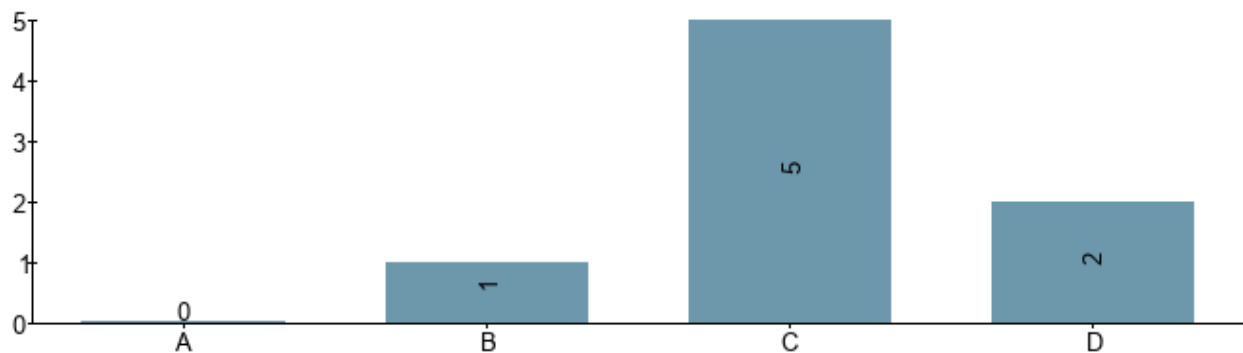
Course Data

Number of questionnaires answered: 8
Number of first registrations^[1]: 50

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

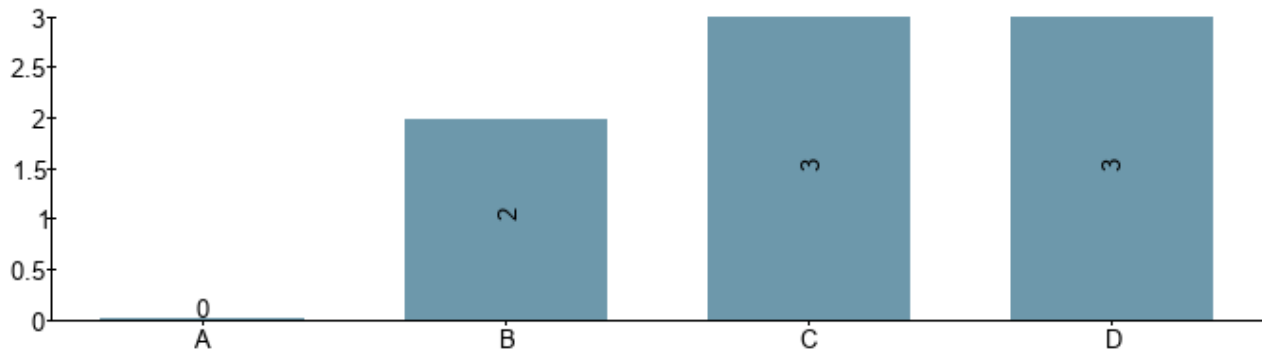
(first time the course runs)

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



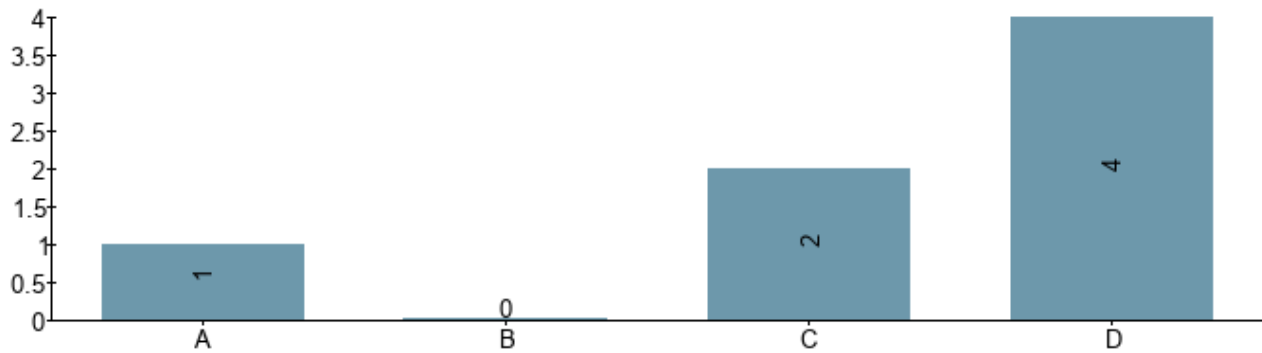
- A) To a very large extent
- B) To a large extent
- C) To some extent
- D) To a little extent or not at all

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



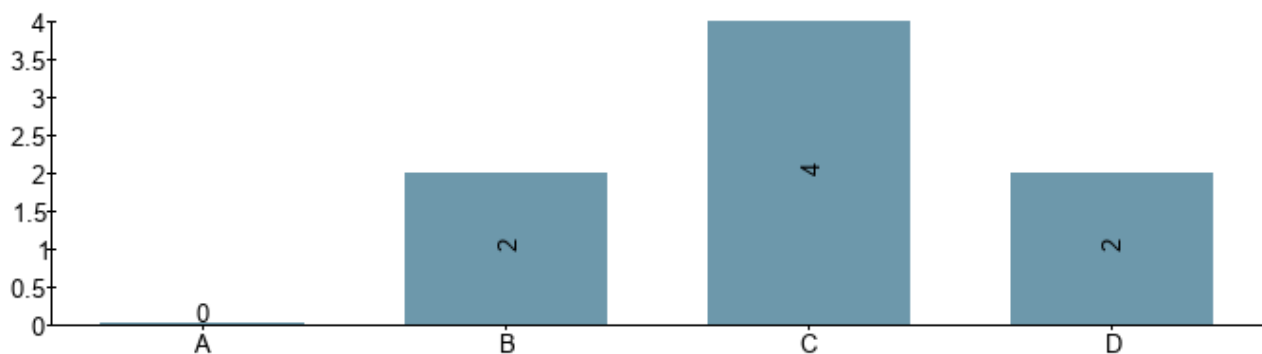
- A) To a very large extent
- B) To a large extent
- C) To some extent
- D) To a little extent or not at all

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.

The course is a fully distance based, 25% paced course over the term to allow for flexible/self-paced studies, i.e. for people working in the industry as well as regular students.

It is divided into five modules, delivered with recorded lectures, interviews/cases and hand-on setups, interactive zoom sessions and scientific reading material. For examination, the students carried out a project work of their own design, followed by a group design presentation and later individual assessment of a written report and oral discussion in relation to the learning outcomes.

On the interactive zoom presentations and Q&A for each module, only a handful of students participated. For the project design presentations, a dozen students participated. Finally, 9 of 50 registered students have passed the course as of the publication date of this analysis.

Due to lecturer resource shortage, the course material delivery and course execution was quite delayed and criticized by students, as well as having slow lecturer response and interaction (as manifested in the bar chart evaluation above). This was very unfortunate, and measures have been taken to remedy for the next course iteration. Some also commented on low volume/content. Lectures are mainly the introduction to the subject area, while the in-depth content is in reading material/scientific articles to be read, with the aim for implementation and reflections in the individual project. These expectations of content and work distribution should have been made more clear by the lecturer.

Suggestions for changes to the next course date.

For the next course iteration, we have recruited a senior lecturer in IoT for further expanding the course lecture material and to handle the course execution. The course modules will also be available as individual 1,5 credit blocks for higher degree of flexibility in studies.

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