

PUBLISHED COURSE ANALYSIS



Publishing date: 2020-02-07

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.

Distributed systems and applications, 7.5 ETCS cr. (DVGC15)

Course convener: Karl-Johan Grinnemo

Basic LADOK data

Course Code: DVGC15

Application Code: 34022

Semester: HT-19

Start Week: 201945

End Week: 202003

Pace of Study: 50%

Form of Study: Campus

Course Data

Number of questionnaires answered: 8

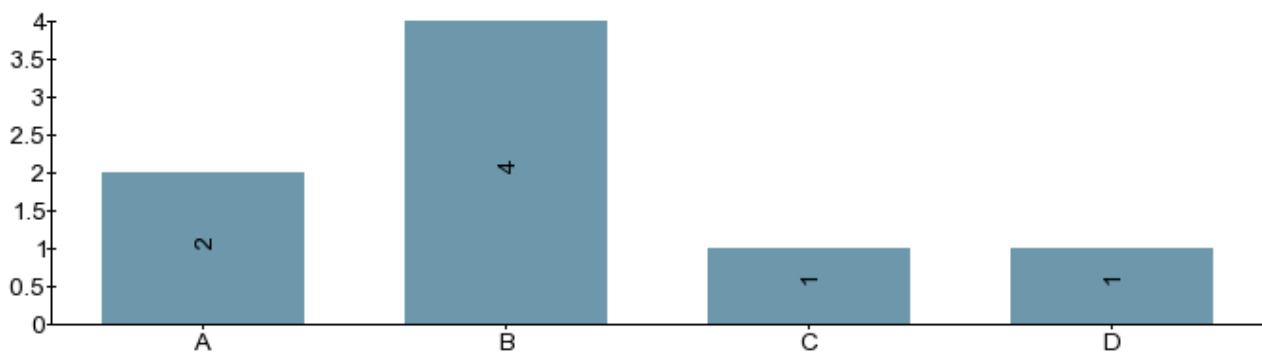
Number of first registrations^[1]: 28

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

-- Updating the course materials and then redesign the labs to be more relevant to today's technological practice.

- Gather a much smaller group to convey lectures and run the labs for the next offerings of the course.

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



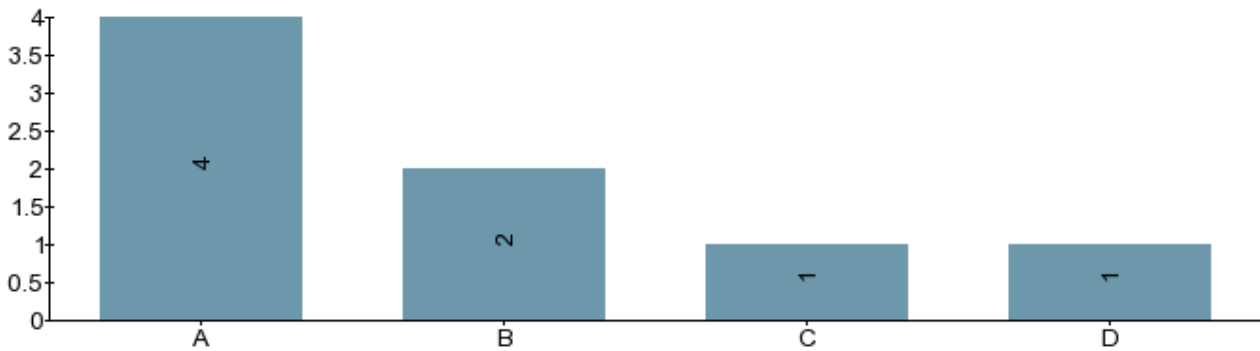
A) To a very large extent

B) To a large extent

C) To some extent

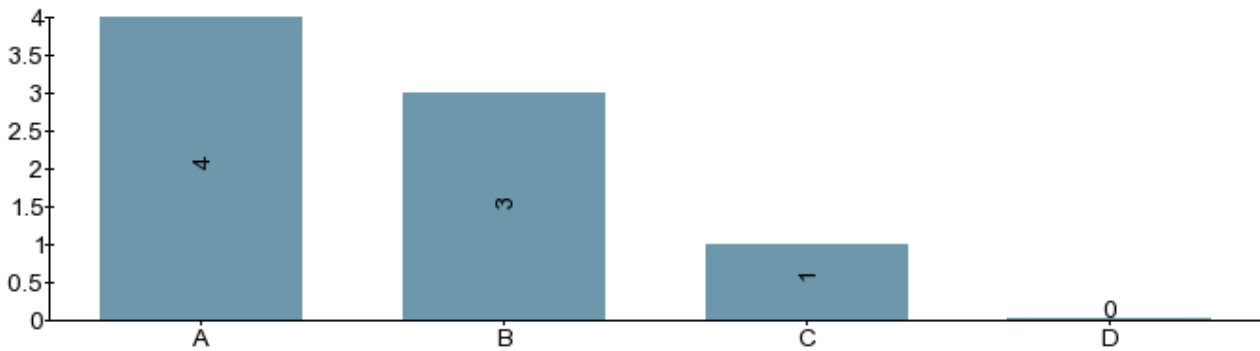
D) To a little extent or not at all

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



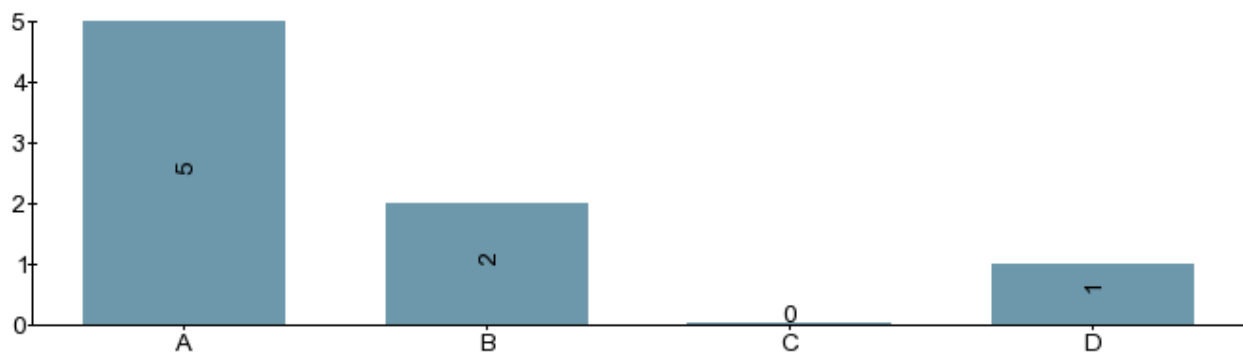
- A) To a very large extent
- B) To a large extent
- C) To some extent
- D) To a little extent or not at all

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 10 and 14 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 9 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 per week 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

should also be analysed here. Any effect of joint courses should be commented on.

- The course conveys the core parts of distributed systems in a good way.
- Needs to showcase the theory on contemporary technologies and applications.

Suggestions for changes to the next course date.

- The Fundamentals module should be updated to relate to contemporary applications and technologies.
- The Theory module of the course works fine.
- The Applications module needs to be updated and relate to contemporary tools and applications, e.g.,
 - cluster management with exemplification on Apache Spark;
 - Introduce distributed message brokers, e.g., Apache Kafka;
 - Introduce load balancing, maybe exemplify with HAProxy and HTTP load balancing;
 - Exemplify replication, e.g., through the use of MongoDB.
- Revise the lab on Hadoop. Maybe use the Pigs language.

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