

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.

Computer Security II, 7.5 ECTS cr. (DVGC20)
Course convener: Tobias Pulls

Basic LADOK data

Course Code: DVGC20
Application Code: 39699
Semester: VT-22
Start Week: 202203
End Week: 202212
Pace of Study: 50%
Form of Study: Campus

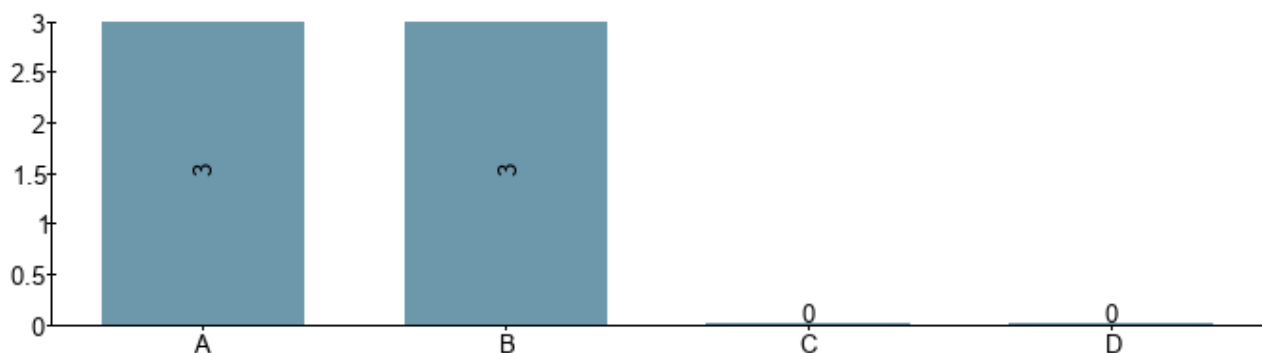
Course Data

Number of questionnaires answered: 6
Number of first registrations^[1]: 32

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

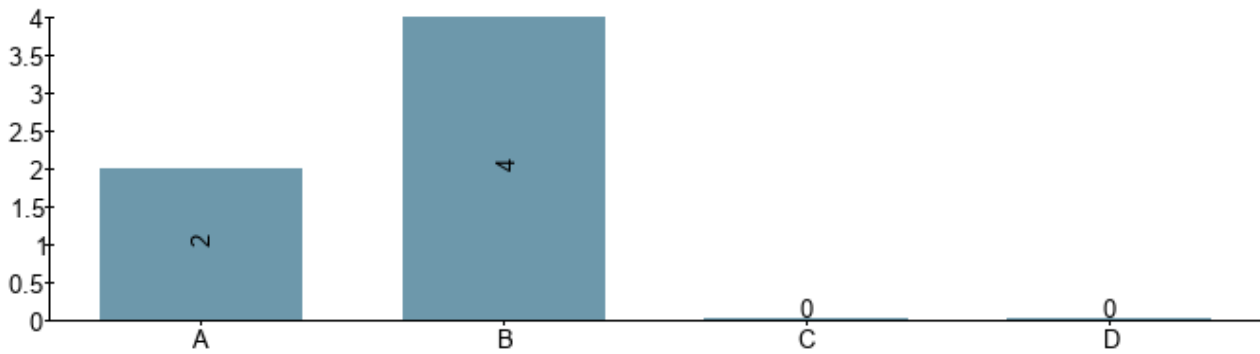
Keep the project presentation. Continue to better align the course towards applied cryptosystems, in line with comments from students this year and last year. For that campus exam (hopefully) next year, consider structuring the exam based on learning outcomes, where students have to pass each learning outcome to pass the exam. This would prevent students that only master the first part of the course from passing the exam, just like the home exam did this year. Perhaps past exams have been too easy in this regard.

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



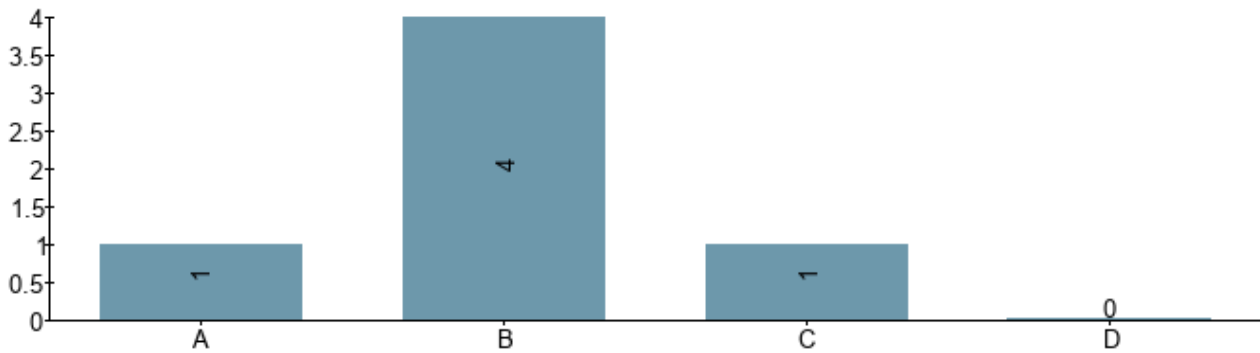
- A) To a very large extent
- B) To a large extent
- C) To some extent
- D) To a little extent or not at all

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



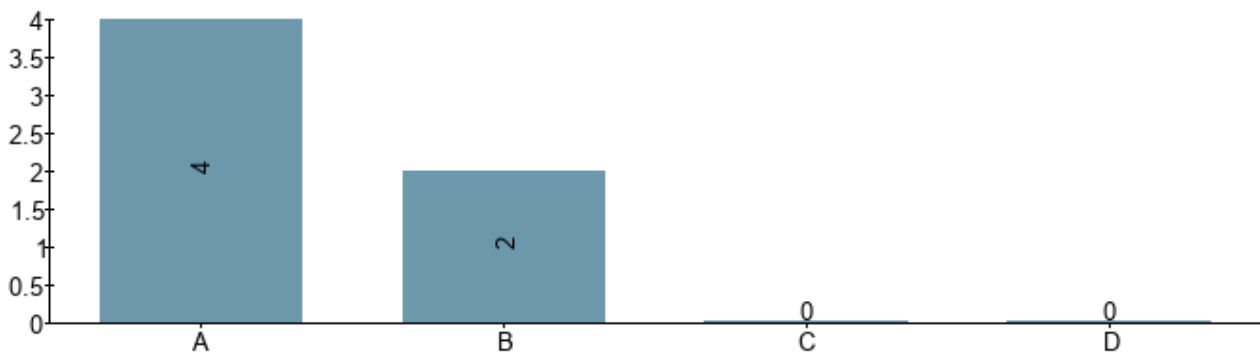
- A) To a very large extent
- B) To a large extent
- C) To some extent
- D) To a little extent or not at all

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 14 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.

In total, 13 out of 32 registered students have completed the course. Five of the students who passed the exam have not completed all labs (so 18 students passed the exam). Eight students did not attempt the exam nor passed the labs.

The course went pretty well. Labs, assignments, and final project presentation all seem to be in pretty good shape based on comments. One comment, around the project presentation, suggested increasing the allowed presentation time. This makes sense.

The biggest negative feedback is around the digital exam (wiseflow) being annoying, especially if the system has flaws (which flaws not stated in comments though). Due to the pandemic, the final examination format has changed several times over the last three years. This makes it harder to use old exams to inform expectations, since an open book remote exam is very different to a regular campus exam (which in turn is also different to using a digital exam tool like wiseflow for a campus exam). Testing out a digital exam was the main change of examination to the course. I'll probably continue using it, but need time to get used to the format. The exam was a bit too hard this year and I was forced to manually give out partial points for some questions that could have been automatically corrected as well as slightly adjust down the grading scale (two questions turned out to be way too hard than intended, so I removed those points for the passing grade).

The hybrid nature of lectures due to (initial) pandemic restrictions also made it a bit harder to communicate with students. In general, I think you can tell that students have been struggling during the pandemic and that it has negatively impacted their studies in terms of overall knowledge. The inequality in student knowledge just keeps growing (some are excellent, others really weak missing fundamental knowledge from past courses taken during the pandemic). This is reflected in the exam results, where four students got a 5, three a 4, eleven a 3, and six failed.

The few students that replied to the course evaluation seem happy. One wrote "Interesting topics, engaging and fun lectures. Maybe my favourite course so far in computer science.". Much appreciated!

Suggestions for changes to the next course date.

This was the last time the course is planned to be given. In the future, the course is replaced by "Internet Security and Privacy" DVAD23. In that course, we should give more time for the project presentation (as suggested by one student) and focus more on internet protocols to make the course more coherent. The exam should probably be digital, and split into an easy and hard part for each learning outcome, as was initially planned for this year.

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