



COURSE ANALYSIS

- summary and reflections of the course leader

Course code: DD2418	Course name: Language Engineering	
Academic year: 2020-21	Period: 4	
Credits: 6	Number of students: 79	Answer rate: 0.37
Examination rate: 0.78	Learning activities: 8 pre-recorded video lectures 6 coding help sessions via Zoom, 4*40h computer assignment presentations	
Course modules and credits: Computer assignments 6hp, consisting of 4 programming assignments which are done individually.		
Teachers: Johan Boye		
Examiner: Johan Boye		
Course responsible: Johan Boye		

Changes from previous years

This year, the course was completely online due to the corona pandemic. The 8 video lectures which I had hastily recorded last year, were now updated, and re-recorded using a proper microphone and proper video editing software. To introduce more interactivity into the course, we created 8 “virtual office hours”, which were 1-hour sessions which were administered by the Dmytro and myself via Zoom. To get help, students could visit this Zoom room and ask questions. It was also possible to get help via the Canvas discussion forum (as before).

New for this year was also the organization of the course into a single Ladok module (computer assignments worth 6 credits).

79 students signed up for the course this year, and 62 completed the course.

Course questionnaire

[Answers can be found here \(link\).](#)



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Strong points of the course

The students seem to have appreciated both the assignments and the video lectures, in the latter case probably because the lectures were pre-recorded and edited, which made them concise. The Canvas discussion forum seems to work very well as a place of information exchange: students are asking questions, and Dmytro and I were answering them (in some cases, also other students were answering questions, which is very nice to see). The guest lectures were well attended. The throughput of the course is quite good.

Weak points of the course

The required prerequisites are quite low, which allows for a wide variety of students with very varying knowledge. For some of the master's students taking the machine learning program, the course was probably too simple. In a way, this is remedied by the video lecture format – students can pick and choose which lectures they find relevant. For some other students, the course was too difficult, which led to a couple of students quitting the course half-way.

Changes for next year's edition

The course will be replaced next year by DD2417 with the same name ("Language Engineering") with a higher credit assignment (7.5 credits rather than 6). We will use these extra 1.5 credits to introduce a freer assignment (a "mini-project") at the end of the course.

The lectures on neural network approaches will be updated to include the latest state-of-the-art methods (transformers).

The last assignment will be updated to include automatic translation.

Course responsible: Johan Boye _____