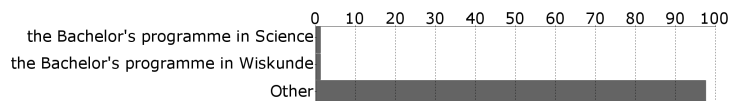
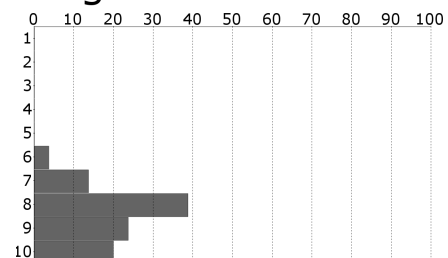


1. I am currently studying in



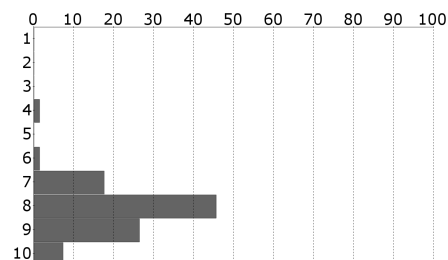
2. I would rate the performance of the lecturer(s)/teacher(s) as

dr. F.A. Grootjen  
avg: 8.4 median: 8.0

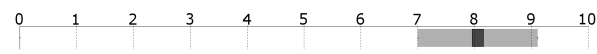


3. I would rate this course overall as

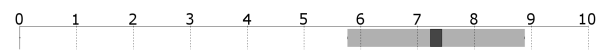
avg: 8.1  
median: 8.0

4. Integration of the educational activities of this course  
(Please rate the following aspects of the course)

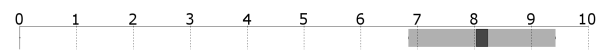
avg:8.1 (median:8.0 n:68)

5. Quality of course materials  
(Please rate the following aspects of the course)

avg:7.3 (median:7.5 n:68)

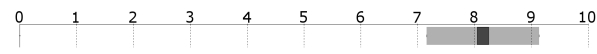
6. Quality of the language used during instruction  
(Please rate the following aspects of the course)

avg:8.1 (median:8.0 n:68)



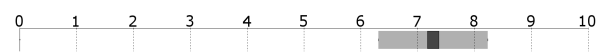
7. I would rate the lectures as

avg:8.1 (median:8.0 n:54)



8. I would give the exercise classes a rating of

avg:7.3 (median:7.0 n:22)



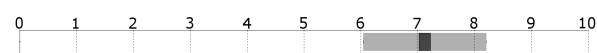
9. I would rate the laboratory classes as

avg:6.8 (median:7.0 n:8)



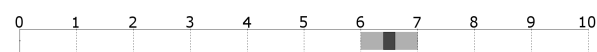
10. I would rate the computer classes as

avg:7.1 (median:7.0 n:32)



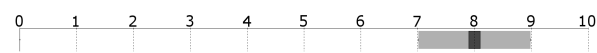
11. I would rate the tutor meetings as

avg:6.5 (median:6.5 n:4)



12. I would rate the exam as

avg:8.0 (median:8.0 n:68)



### 13. Lecturer(s): optional comments

He was very fun and especially at the start of the course was really good at explaining the basics, but in later weeks he sometimes skipped a lot of the slides, or was too involved with talking to advanced students in the lecture. Specifically, I would have liked to get to know how to set up when writing a programme, e.g. the top-down or bottom-up approaches and management of a project from start to finish.

Aan het begin heel goede uitleg maar vooral bij moeilijkere onderwerpen wat weinig uitleg. In de colleges op vrijdagen ging het altijd heel snel en doordat over het algemeen alleen getyped werd, kond je niet altijd even goed volgen.

Duidelijke uitleg van de stof en goeie aangrijpings punten voor de opdrachten.

Hij is grappig, maakt uitleg levendiger en minder saai. Hij geeft niet genoeg concrete uitleg hoe je functies gebruikt

Geen boek of lecture notes.

Very motivated and optimistic teacher, explains subjects clear and thoroughly. Nothing to complain about :)

He explains really clearly, but for the people who don't have a lot of programming experience it would be nice to have some what more background information. Maybe some rules or functions written with more explaining around it.

His lectures are clear and he explains most things good, a big slow even. I do think he wants to be a student to much and he is too interactive with his students. The lectures are fun though

De docent legt op een duidelijke manier uit en geeft vaak goed begrijpbare voorbeelden.

Great and fun teacher.

Very clear explanations and also very approachable. Plus he is funny and really makes his lectures enjoyable.

Gives good lectures and let the students figure things out by themselves but helps us when needed.

Really approachable and easily understandable. Always a pleasure to go to lectures.

The very best teacher I ever had. You learn a lot with cool/challenging exercises. Really talented in explaining complex information in an easy way and with good analogies.

Franc is a really good public speaker. He can grab and hold your attention very well, while explaining a topic in a very understandable way. Franc is also very open to communication and thus easy to approach.

Might go a bit fast through the slides sometimes but always accessible for questions afterwards, so it is not really a problem

really good explanations

Very enthusiastic, only lecture that I truly like going to and where I don't watch the clock but where we're suddenly already in the break or at the end.

Answers were non-existent so I can't say anything about that, but his explanation was pretty good in itself, except he explained things too easy in lectures compared to the exercises. Approachability was fine, he seemed to pay attention to questions, especially after the lectures/in the break. I really liked the speed of the course, it was quick but fairly easy to keep up with. One point to mention is the TA's because rather than explaining what you should do, they do it for you. This has led some students to approach other students for help instead of the TA's because they want to understand it rather than have it completed. Also I think the different TA's check very differently and while some students keep getting g's for minimal efforts, others get an s even though they've put a lot more effort in it. Also personally I think it's fairly aggravating that we don't get to see what we did wrong and how we should've done it.

In my opinion, Mr. Franc is one of the best teachers I had in my life. As a teacher he is SUPER good: - He is clear and explicit in his lectures; - He demands much from the students but he also gives a lot and cares; - Franc makes his lectures very fun and the flow of them seems natural, I always wait for them; - He makes the best exercises! They are simple to understand but at the same time have a complexity behind them and they are very engaging; - He establishes a personal contact with the students (even if there are > 200 of us); - He has an awesome nickname!!!

Good at explaining subjects clearly, sometimes a bit too fast for programming newbies like me

He can be pretty rude sometimes, when answering questions during lectures. I understand he might be annoyed by the stupidity of some questions, I know that feeling, but please try to stay nice. Also, he does often start answering before someone has finished speaking, which often leads to wrong answers, because he misunderstands the question. In conclusion, dr. Grootjen should become patient and handle questions better. Aside from this, his lectures are good.

f'ing apple fanboy, really irritating after a while

Good lecturer, not as good in replying to emails

The lectures and tutorial sessions were explained really well and clearly and were easy to follow. What was most surprising of all is how accessible the content actually was, despite the complexity for newcomers to programming.

very approachable. Interesting and fun lecture. Very clear explanations.

It would be nice if we got answers to the practice exam, so we could learn from our mistakes. Also the explanations for the weekly exercises are sometimes a bit short/vague, it would be nice if I had a clearer idea of what the exercise is and how to start. But in general I find him a great teacher, he's ready to answer your questions and gives good lectures.

He knows how to make it fun and to reach us. Nice explanations and he is very approachable.

Great conceptual explanations for programming. teaches us little extra things, which are easy enough to understand, yet challenging enough to take some time separate time for it. Very approachable

Explained everything very thoroughly, though he often did not give the explanation of the parts crucial to an assignment until the week after the assignment was finished which is inconvenient if you aren't experienced in programming.

He is a motivated lecturer and he uses humour in his lectures, which is a big plus.

Approachability is very good. Explanation during the lectures is the best. But the lecture slides or the pdf version of it on BB could be improved in a way that it is more explanatory if one had missed a lecture due to illness etc.

Interesting lectures Explained everything very well Gave good examples Answered questions well Made clear what we had to learn

Good quality of explanations, everything is clear. Always having chats with students being very approachable. And he always seems positive and ready to help.

Great to read along with the correct coding whilst also learning common mistakes and what not to do. This sometimes was brought in a funny way which lead to remembering the course notes better.

The teacher had nice explanations during class, but I found that approaching him after class or anywhere else felt really intimidating.

Is irrelevant because I didn't attend the lectures

Good explanations. Much better than last year

Explains very clearly and is always able to grab people's attention.

Lot's of examples and easy explanation Very approachable

I think if I have never programmed before of this course, the first lectures would have been really challenging. Some things were not explained, and in the head of a beginner, as everything is new, this may lead to confusion. Also, but this may be just a didactic choice, I would have started with super basic things, just to get people who never programmed before to get used to the super basic stuff. (e.g. print hello world in the console, assign a value to a variable etc)

Good explanations but he found himself too funny and always tried to be every lecture

Explains the content thoroughly, is very approachable but sometimes (too) stubborn.

The teacher always answered our questions and took into account where we were struggling as students. He was very approachable and I liked it that he talked a lot to students during the break even though they didn't have questions in particular.

-fun to watch and he really captivates people with his story -explains difficult stuff well -he isn't open for other perspectives or other manners, ways of things in his course. If someone comes up with something different then he explained, he brutally refuses it

#### 14. Lectures: optional comments

The slides are really clear and it is really good that the programme starts from 0: the lectures do not presuppose any specific earlier knowledge. I also liked the "recap" of the previous week in the first slide every week. However, I felt the pace was very fast (after the first 2 or 3 weeks the material significantly increased in difficulty) and I thought it was difficult that the lecturer sometimes skips slides in the presentation, or cannot present all his slides because advanced students are asking advanced questions and getting into a discussion with him.

Meer concrete uitleg functies nodig (hoe en wanneer je het gebruikt)

Zeer goede spreker

Course was well structured with a good build-up of subjects. The pace was fine. It wasn't difficult at all to follow and the quality of presentations was great.

Franc explains everything really clearly but as I said in the previous question; it would be nice to have some more information around some functions and rules for people with little experience with programming.

As I said, the lectures are clear and the lecture can explain the matter very well

De colleges sloten goed op elkaar aan, waardoor de stof ook makkelijk te begrijpen was.

The lecture were pretty good, nicely paced. Did personally not think it was very difficult, but nonetheless appropriate for this kind of course.

I think all aspects were really good. The slides were fine, but I would like to have a book to be honest

A good teacher he is very enthusiastic

Clear lecture structure, good presentations.

Structure of the lectures always good. However, the content of the slides is sometimes confusing to look back on without the context of the lecture.

structure: 10 pace: 10 difficulty: 6 ... I already had knowledge about programming so it was not really hard but I still could learn and expand my knowledge quality of presentation: 10 .... very good slides and works active with the class

The lectures are at a steady but not too fast pace. The good structure, and presentation makes them really understandable.

The structure was good, from easy/basic to more advanced and in-depth, with a few examples here and there but I would've like to see a little more applications/examples. The pace was high but not too high, and I'd say the same for the difficulty. His use of slides is optimal, use of the blackboard a little less: he doesn't write much on it but when he does, it's not very readable.

- The structure of lectures seems good, I would just complain about first few lecture where we could not use some advanced things for doing exercises and those things were not explicitly mentioned; - The whole pace was very good, I don't think it can be made better; - The lectures were explicit and understandable. Also, as I mentioned exercises had a complexity behind them and were simple to understand; - Franc does not use a microphone and I believe it is the right way to go;

lots of stuff he didn't want to complain not to confuse others, instead of saying it is advanced but quickly giving an answer to the question

The lectures were structured well, usually by starting off with a recap and quickly continuing with the content of that particular week. Some weeks had more difficult content or simply more content than others, which made them not necessarily harder to follow but harder to understand, especially for those who had little programming experience. The slides were really helpful in understanding the content, so that is a huge plus.

I would like to see more focus on the basics of programming, showing really simple examples of code when introducing something new (like an array). This will be helpful especially to students new to programming. So before diving into a certain concept, laying out a good base by showing all the ways in which this concept can be used in code.

The lectures are coherent and he makes good use of the PowerPoint presentation. He gives a lot of examples and recaps a lot, what I find really nice. Sometimes he goes a bit too fast through the slides, but he's very approachable if you want to ask him a question. The only minus point is that the lectures aren't recorded, so you can't watch them back if you missed it.

You really learned stuff which you could use during your practical sessions. Also nice to see multiple examples on a subject. Also questions in and outside the lecture are answered well. The exercise lecture with examples for the exam was very nice! Keep it in the program, not only when a week of exercises falls out.

Nice structure and pace. Main criticism: Some basic definitions/uses for functions could be explained a bit better in the slides so that it would be easier to reference those (for example: delimiter and regular expressions and the different type of readers: next, nextLine)

Pace was sometimes somewhat slow, lot of repetition and no explanation of the important parts for our exercises. But this could very well be due to the enormous difference in level between students.

Well-designed lectures which are also well understandable.

Good structure Difficulty was fine, it was still easy to understand for people with no programming experience like myself The slides were also very clear

The structure and goals are clear, there is always a break (which should be there, but most lectures in other courses they are missing/shortened). The pace is good, making it easily followable, the difficulty is good and the presentation skills are excellent as well.

Previous comment on rating dr F.A. Grootjen

Okay pace, decent presentations and clear what is possible in the field

Good

High pace, too many subjects at a time

All good

There was a steep difficulty ramp, but it started so easy that it was still quite do-able in the end. The content was presented well, with slides aswell as examples on the blackboard.

I liked the structure of the lectures a lot. I understood what I needed to do and they were very helpful for the exercises we needed to do. The pace, for me personally, was very good. The slides could have been a little bit more structured because I needed to search for the right subject sometimes, but other than that they were pretty useful.

-the powerpoints are nice -The language used in the powerpoints is sometimes too cryptic. If you want to look back at it after the lecture, you can't remember what was meant with the few words on the slide of the powerpoint. -Sometimes the lectures are a little bit too chaotic

## 15. Exercise classes: optional comments

The quality of assistance is good but unfortunately there are not enough TA's in our room to give the answer to us all. The assignments do really learn you something.

In the practical sessions the lecture is only sometimes, it are only the TA's who help our with the exercise of that week. I think the exercises we get every week are good, just the structure of the whole course is very nice. The TA's are really nice and they know what they are doing. There could be more of them as you have to wait quite some time for someone can help you.

The assignments were quite challenging right from the start. Maybe we could have started more with the basics of programming and then made some harder programs. Also there are specific student assistants who are much better than others

Good tutorial for the practical session on Monday.

The exercises mostly contain the content presented in the lectures, but sometimes extra assistance was needed from the TA's. The quality of the assignments are quite high, as well as the quality of assistance. For this I can thank the following assistants: Elena Kreis, Ellen Schrader, Lea van Nugteren, and Pleun Scholten. An improvement would be the quality of the feedback. The feedback was given through blackboard and was often just a few sentences long and did make it hard for us to improve. I would like to have received comments in my code or another way to make it more specific.

I think most assignments were very good, but with some I didn't have the feeling I was learning new stuff, just learning very specific things which were not in line with the programming mentality. I've said something about the quality of the assistance already so I'll keep quiet about that here. The amount of assistance seemed good, except sometimes the TA's were too busy in one room, while in another room there were too many TA's. The quality of the feedback was rubbish, it just stated what I needed to have done (repeating the exercise really) instead of giving me tips on how to change the approach.

TA's are not always consistent with their answers and sometimes you use tips given by the TA and get an insufficient for that part.

At some parts, everyone needed help and there were not enough people.. is understandable though..

The quality of the TA's was good, they helped you a lot with the exercises where needed. Sometimes I felt more TA's would help. The tutorial sessions were also nice, but not always in coherence with the exercises in my opinion (but most of the times were).

Tutorials were nice, though sometimes fast paced if you wanted to copy a part of the code. Exercise classes were good and TAs were very helpful.

I think the TA's are very capable and really try to help you in any way they can. I noticed however that there is little coherence between the answers of the TA. Some will say one thing, whereas the other will say the opposite. Especially when something is not immediately clear from the assignment, there will be some discussion among the TAs as well as among the students themselves, because we don't want to get an insufficient for an assignment because not all the TAs agree. I can't really name anyone specifically, because I had this problem with almost all the TA's at some point. Please note that I do not think that they did a bad job! I think they did great, but maybe there can be some more support for them so they know exactly how to handle ambiguous cases or at least know for sure what the goal of the assignment (or part of the assignment is) and know what is allowed and what isn't.

Coherent with the lectures, enough help so all answers can be asked. And the assistance are all willing to help and give as much feedback as they can. Good exercises as well.

There were some really nice tutors, especially Leq and Pleuntschj were able to help me out every single time, it's nice to have this much time to practice and work on the assignments with help

Too small amount of TA's in our class, most of the time only 2 TA's

-The TA's are not always on the same line, there were quite big differences between grades because the TA's do not score all the exercises equally -The assignments are sometimes too unclear. I mostly spend a lot of time trying to understand what is actually meant in the exercise and what has to be done. I think there has to be a better way to write things down, so that everyone can understand what is meant. -feedback is nice to get back. I mean we only get compliments back, but not constructive feedback that actually will give us tips. -I think the TA's could also give a little bit more hints because the assignments are really hard

## 16. Laboratory classes or fieldwork: optional comments

Same as last one

The TA's weren't consistent and they didn't always know what to do.

There were usually not enough TA's available to ask question to. I feel like this was because TA's would spend a lot of time on each couple that asked them a question. Maybe they could try to keep their answers short and let the students figure out more themselves.

The assignments were too difficult for students without previous experience.

Same

## 17. Computer classes: optional comments

Our TA was sometimes not accessible, and not on time with his feedback. The classes were very big and sometimes we had to wait for a long time for feedback and/or check-out.

Different assistants say different things. That doesn't help when you're stuck with an exercise.

Dan leer ik het meeste omdat je concreet leert hoe je functies moet gebruiken. Vaak hebben de TA's het te druk en duurt het lang voordat je vraag beantwoord wordt

Te weinig TA's

Tijdens het maken van de opdrachten zijn we vaak goed geholpen. Helaas moest je soms wel lang wachten op die hulp, omdat er veel groepen hulp nodig hadden, waardoor je niet verder kon werken aan de opdracht.

Bit early. The exercises were quite compatible with the lectures, also were clear enough. I really liked working on the bonus exercises! Got assisted okay.

- TA's with the same opinion would be nice (e.g. one TA approves the program, but the TA who checks our assignments doesn't approve it, leading to an insufficient)

Almost always possibility to get assistance, the grading for exercises a bit vague, though leaves some positive breathing space for error. The partner system lack some guidance for the beginning of the course.

level of difficulty much higher than level of lectures/ tutorials

Usually these computer sessions were just fine, but out of 4 classrooms, there was one room in which only 1 TA was present, every time. This caused horribly long waiting times if you had a question or wanted to have your work checked. Also, sometimes TAs had different opinions about how the exercises should be solved. One TA would say we did it perfectly correct, and then another (like, if we had a question about the next exercise) said we didn't solve the first one correctly. So there should be more clarity among all TAs.

The computer classes made the programming easier, as the TAs' assistance was really helpful in doing the exercises. The advice they gave was usually the necessary push to get on track to be able to properly do the exercises. The four hours that were planned for the computer classes were sometimes necessary to finish the first exercise, which was mandatory for that class.

I find 4 hours a bit too long, 3 hours would've been better. Or more than one lab session in a week, so you can ask help when you're stuck later on and not only in those 4 hours. The exercises we have to make are coherent with the lectures, but I find them quite difficult. The TA's do their best to help you, I understand they can't spoil the answer, but sometimes I don't really get their cryptic hints. Maybe more TA's would be an improvement, since a lot of people have questions, so sometimes you have to wait a while for your turn. The feedback the TA (Lea Nugteren) gives on the weekly exercises are clear and I can ask her questions if I have one.

Good assignments. Main complaint: TA's that differ in opinion whether a certain piece of code is correct. Some say it is correct, but then the TA that reviews your code gives an insufficient for it being incorrect or ugly. And secondly: lack of TA's, which is understandable, but it would be nice to have a few more.

The coherence with the lectures was good. The quality of assistance was okay, but not the best, since there weren't that many assistants, so sometimes you had to wait a long time for someone to answer your question, while you are trying to just get on with your work.

For some of the weekly exercises it would have been better to have more TAs in the room. For some of the exercises the amount of TAs was definitely sufficient. Depends on the difficulty of the exercises.

The TA's helped if necessary. The classes were a good place to work on the exercises. Sometimes the TA's gave different feedback. Our TA didn't give any feedback because we scored a good for every exercise, but some feedback would still be nice. The classes were at Monday morning.

Same

Good, enough assistants

Lot's of love for the TA's

I did not care for the time of the computer sessions (Monday morning at 08:30). I work inefficiently at that time, and I regularly got stuck on small problems that I solved in a matter of minutes the next day. The TA who helped us during the sessions was not good, he gave us instructions that turned out to be wrong at least twice. I don't know his name. On the other hand, the TA who graded our homework (Anna Gansen) was very good; she was fair and answered our questions and comments well. She approached us through student mail when we did something wrong and she was relatively quick with grading; we usually had our grades before we started with the next assignment.

The assistance was okay, but sometimes we had to wait a long time before someone was there to help us because we were with such a big group. My assistant who viewed and graded my assignments was Lea. She did a great job and her feedback was very good! It was very helpful and I knew what I did wrong when she sends it back. Here timing was good as well, she was on time every time and that was very nice.

This is about the tutorial on Friday: -Sometimes I ask myself, why did I even go? I only get more confused and the tutorial mostly finishes after half an hour, while 1 hour and a half is planned for it. -you don't get a lot of information - The information that is given, is given so quickly, that you don't have enough time to write down everything

## 18. Other activities: comments

Great programme.

I would have preferred to also have a book for reference.

## 19. Exam: optional comments

I thought the exam was quite hard, especially the writing of a programme from scratch by hand. The earlier questions, e.g. finding mistakes in other programmes or understanding what a specific programme has as output, were more feasible for me. I got very lost when writing the programme by hand, I felt making it on paper led to more chaos. I think there is less chaos on a computer, and also the ability to actually test the programme.

Time was perfect. Appropriateness fine, maybe a bit too narrow on arrays.

Goed tentamen, test tentamen was ook representatief, wel eeuwige zonde dat de antwoorden van het test examen niet werden gegeven zodat oefenen moeilijker werd.

Moeilijker dan anders dan example exam.

The exam was really doable within the given time. Questions were clear and understandable, no complaints here :)

The exam was just fine. Here and there there could have been a better explaining about the exercise.

The exam was nice and I taught it really got with the matter we learned during the course. The was even quite easy. Easier than the exercises although you can't really

compare the two

De vragen waren duidelijke en sloten goed aan op de behandelde stof van deze cursus. Er was ruim de tijd om het tentamen te maken.

Questions were of nice quality. Had more than enough time.

The exam was very appropriate. I thought it was a bit strict, in question 4, to give penalty points for incorrect corrections to the incorrect code. This is because, for example, if postconditions were written with `/**` insted of `/*` also on other lines than the first, that isnt how we learned it but technically wouldnt cause any problem for th code (as far as I know). I did not dare to write this is a possible mistake because if i was wrong it would negate the points from a mistake i was sure about. In my opinion it should just be that you dont recieve those pooints.

Lot's of questions about arrays and it contained a couple of spelling mistakes.

The questions covered the course material well. I really liked how we got plenty of time for it, that way it wasn't a stressful rush as most other exams.

Was representative for the lectures that we had. Not too easy but not too hard either. More than enough time to finish it and check it.

Questions formulated well, appropriate knowledge tested during exam and more than enough time to complete the exercises. However, would strongly prefer doing it on a computer (although I am fine with this format, taking into account that the questions are simplified because of it).

every question was very good formulated but 5a I did not understand what to do ... but this could also have be my fault. appropriateness was good ... easy for me but for beginners right in my opinien. available time was great!

The exam was really similar to the test exam with respect to the formulation of the questions and the type of questions. This made it very easy to prepare for the exam. The exam covered a lot and only content that had been provided and there was enough time to finish it nicely.

Three hours was a bit long, personally I did not need it.

half of exam was really appropriate but other questions were not in comparison to the exercises or sample exam, questions were much more diffcult. Time was perfect, and questions were clear.

Some questions were a little confusing content-wise, but the lay-out was very similar to what we were used to, especially with the practise exam. I feel like some subjects were more touched upon than others but personally I had no trouble with that. For the available time, I only needed half the time to finish the exercises, giving me plenty of time to check my answers and whatnot.

Brilliant! - questions same as exercises had a good level of difficulty but were simple to understand; - 3 hours were enough to make all exercises precisely and neatly; - I may be a little difficult for students who did not have any prior experience in programming;

Good exam, however I felt like it didn't test everything (no readers, writers, regular expressions, etc). Not that I have a real issue with this ?. Writing the exam was actually quite nice. Last year in TU/e, they had programming exams on the computer, which works amazing if you are good at programming, but if you're not so good, and you make a mistake, it could get really stressful if you couldn't find where it went wrong. So please, keep this exam on paper. Later programming exams would be nice to do on the computer, but not for this first subject yet.

lots of time, maybe even too much, good questions

The formulations of the questions made sense and really tested us on our knowledge of how the functions we have used for the past weeks worked. The three hours we had for the exam were a bit much for me personally, but I think that it is nice for most people to have, as two hours would be too little time for those who struggle a little more with the content.

Question with what the problem for secret santa was , was unclear to me. i wasnt sure if to assume everyone puts the paper back or just the one person who picked their own name. Other than that good exam!

I found the exam quite easy, the questions were clear. Writing code by hand was actually not that bad!

I found it a fair exam, not too much questions and not too less. The exercises looked a lot like the one's on the practice exam, which was a good preparation. 3 hours was enough time, I could make the exam at my own pace.

It was doable and had multiple subjects in it. Only a whole lot of the points were for exercise 5, which makes the exam less balanced and too many points for one certain topic, arrays in this case (nice question though!). What I missed the most was writing to/reading a file. Timewise it was a nice exam. I liked that you had time to check for small mistakes. A thing to think about is to make this a digital exam where you for example type in Word (no suggestions on code lines!). This because you don't have problems with checking the handwritings (like what is upper and what is lower case) and all those crossing outs (I redid a certain exercise 3 times, resulting in a lot of mess on the paper).

Seemed like a decent exam for 3 hours, not too hard, not too easy, not too long, not too short. Only point is question 5c (create array buyFor and make sure the names for the same position as array names are not the same), where I thought the goal was a bit vague and such I accidentally made the entire shuffle program.

It was a fun exam.

Well-formulated questions and very much in line with my expectations and the difficulty of the practice exam. Also enough time to not have to stress an immense amount.

Questions were formulated really good. And the level of difficulty was also adequate. Not too easy, it was a challenge. It was a masterpiece of an exam

The questions were nice and clear The available was more than enough Overall the level of the exam was good compared to the level of the exercises

The questions were of sufficient difficulty, appropriate given the information and the amount of time available was enough as well.

-

Very doable but I found it unfair that the last exercise was over half of the points in total. It also wasn't super clear what had to be done so that's also up for improvement. Last thing: there was an exercise where you had to spot mistakes: some dyslexic people could not find it because it was a spelling mistake. I find this very irresponsible

good, doable

Of all exams I have ever made, I think this exam was actually fun. And the results are a great representation of your actual knowledge on the topic.

Easier than expected

The questions on our actual exam were not as ambiguous as some of the questions of the test exam that was provided. I made a small mistake that was repeated five times. I hope that I won't lose points for that every time, but I don't know that as of now. There was enough time available to answer and double check all of the questions.

The questions were easier as I expected, which was nice, but not expected. However, sometimes there were little errors in the questions of which I didn't know if they were just errors or the errors we needed to fix.

-I think there was enough time -The questions were on a good level, and it looked like as what we could expect

## 20. Course: optional comments

I felt the course was quite difficult and fast-paced, but the starting level was appropriate for people with 0 programming experience.

Een soort handleiding was wel mooi geweest en anders tenminste opnames van het college hadden het leren duidelijk makkelijker gemaakt. Zelfs bij aanwezigheid bij alle colleges miste het toch

De powerpoints moeten veel overzichtelijker en duidelijker de werking van functies weergeven

The course is kept interesting so thats a good point. But as said before maybe some more information regarding the functions and rules in java.

Just all good, it is really bigginers friendly (like for people like me :))

-

It was very clear. All was good. Maybe a bit more than 3EC's of time though

The course was set up very well with clear expectations and exercises that were designed to be fun as well as educative.

Cannot judge neutrally, as I have had prior knowledge, however, I do believe the content was understandable.

perfect course!

The pace of this course was very good. The first couple lectures did go quite fast for students without prior knowledge but let them get used to the pace of learning and worked out very well in the end.

n.a.

- Objectives of the course were clear every lecture and were provided with every assignment; - Prior knowledge was very useful but I believe that all the required information was provided; - The pace was very good; - Already mentioned that the difficulty was good; - Communication between TA's was chaotic at the beginning but later in the course, I did not see any mistakes or miscommunications;

Very good and fun exercises. Unfortunately there is no reader. Of course there are PowerPoint presentations, but a reader is obviously a lot nicer than that. Even only 2 or 3 sheets (I don't think you would need more).

The objectives for this course were clear and somewhat obvious, but it was good to know that prior knowledge was not necessarily required, albeit nice to have. The pace was quite high and sometimes too high for my liking and understanding, but overall it found a rather nice balance. The difficulty rose rather quickly but the explanations of the lecturer and the TAs helped a lot. The organisation was not great though: the information lecture is on Tuesday, the tutorial on Friday and the lab sessions on Monday morning. This means that the first week we can't have a lab session, and the scheduling in general for this course makes no sense. It would've been better to put everything in one week.

I find the course going very fast, especially if you have no programming experience. If you're stuck on a topic, or don't see immediately how something works, it's hard to catch up. The trial-and-error learning style isn't my favourite style, but I understand you can only learn programming by doing it yourself. It would be nice if we got more time to do the weekly exercises (like 2 weeks in total) or if the exercises were divided in smaller subexercises, so I have some points to start when I'm stuck.

Nice you started from the beginning, but I noticed the difficulty increases a bit exponentially. That is completely fine, but you really need to keep up with everything. This resulted in sometimes weeks later noticing you had also learned a teeny-tiny thingie besides a larger subject in a certain week, which was of course also useful (for example "static final int ROWS" for me).

Good course, learned a lot of programming, even though I was slightly familiar with java. Language used was nice. No "dunghish" and no too advanced terminology. Lectures were great. Maybe the only criticism was referencing certain information told in lectures (slides not telling the entire story) sometimes, but most of the time they worked great

Objectives were very clearly stated. Prior knowledge was sometimes expected though not available. Pacing was often slow but this might be appropriate. Difficulty of the assignments was much higher than the lectures but TAs did help a lot. Well organised.

Prior knowledge required was pretty low or maybe even none, which is good for a first course. The pace was alright, maybe not for others with less programming experience.

Prior knowledge is required otherwise it is very difficult to understand the material.

I personally had no experience with programming before this course, and sometimes found it difficult that there was no syllabus or book or dictate containing some basic Java functions. Google works fine of course, but it's not always clear why or how the answer you found on Google works. It would be nice to have this, but I didn't find it necessary to complete the course. Another thing I did find weird is the amount of work you have to put in compared to the EC you get. It might be because I'm from a different study, but if you look at the amount of hours you spend on lectures and practicals alone (and then of course you have to do work in your free time as well) I think 3 EC is not a lot (especially compared to what I'm used to from my study).

Everything was great, no real extra comments.

Prior knowledge hampered a little bit since a restriction to keep to the course notes and not use prior knowledge was applied. But this restriction became more flexible on the way so that was not really a problem. No comments about the rest.

Good there is a book. It helped me a lot

I think the overall course was very good.

-overall, sometimes too hard and too much new stuff for one week -not enough explanation

**21. Final question: Are there other aspects that can be improved?**

No, I wrote all in my other comments.

Leuk vak <3

Not really I think

Apparently it takes a really long time before the exams are grades, it would be nice to get the grades as soon as possible also because the second part of this course already begins next week

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No

Consistent TA's

A test after 4 weeks, just for the students and teacher to see what level the students are having at this moment. Also the teaming up in the beginning is a bit random, maybe this could be done after a few weeks when everyone has a better idea of what there level is.

Not that I can think of:). It was a good course, learned a lot.

no ... the following AI students should get Franc in Mathematics as well! Because mathematics is important for AI and Franc is a really good teacher.

No, everything is fine!

n.a.

- Communication between TA's; - Explicit explanation of what cannot be used during the first few assignments;

Kareltje should be called Charly.

On the Open Day by AI, it would be nice if programming had more attention, so that people are prepared about the content of the course. Personally, I was quite confronted by the difficulty of the course and I felt unprepared.

This survey.. The subject is called Programming for !!AI!!-1, so include the bachelor Artificial Intelligence in the options of the first question please..

-

Sometimes it was pretty annoying that certain pieces of code and constructions could not be used, since they were too advanced. I get that if we use those we do not reach the learning goals, but this did lead to frustrations. Also please make clear to the TA's what can and cannot be used in coding and try to make them have a unified approach to grading.

If someone unfortunately missed a lecture the lecture slides weren't always self-explanatory. So that could be something to improve

Giving more moderate assignments especially during the first weeks. The rule that you cannot go to the exam if you do not show off your first assignment during lab session or having insufficient on an assignment.

The time of the practical session Monday morning is just not ideal

No

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Allow helping other students who are not in your group, but set clear guidelines for it.