Antal respondenter: 174
Antal svar: 26
Svarsfrekvens: 14,94 %
ESTIMATED WORKLOAD

On average, how many hours/week did you work with the course (including scheduled hours)?

- > 41 timmar/vecka: 0 (0.0%)
- 39-41 timmar/vecka: 0 (0.0%)
- 36-38 timmar/vecka: 2 (7.7%)
- 33-35 timmar/vecka: 0 (0.0%)
- 30-32 timmar/vecka: 3 (7.7%)
- 27-29 timmar/vecka: 0 (0.0%)
- 24-26 timmar/vecka: 0 (0.0%)
- 21-23 timmar/vecka: 0 (0.0%)
- 18-20 timmar/vecka: 7 (26.9%)
- 15-17 timmar/vecka: 6 (19.2%)
- 12-14 timmar/vecka: 2 (7.7%)
- 9-11 timmar/vecka: 8 (15.4%)
- 6-8 timmar/vecka: 1 (3.8%)
- 3-5 timmar/vecka: 2 (7.7%)
- 0-2 timmar/vecka: 1 (3.8%)
Comments

Comments (I worked: 0-2 timmar/vecka)
I did not attend any lectures. I studied old exams and internet resources exclusively.

Comments (I worked: 5-8 timmar/vecka)
I did not attend any lecture.

Comments (I worked: 9-11 timmar/vecka)
Övriga två kurser fick fokus
Optimal time required for the course should probably be around 20 hours per week.

Comments (I worked: 12-14 timmar/vecka)
Already had experience with functional programming, most time was spent on attending lectures.
Fair amount of workload. As there is no mandatory assignments you can allocate the time as it suits you.

Comments (I worked: 15-17 timmar/vecka)
Good workload, can decide after ambition.
It was easy to neglect this course due to the lack of obligatory assignments/submissions.

Comments (I worked: 18-20 timmar/vecka)
Ganska omfattande tidvis att sätta sig in i seminarieuppgifterna.
Vissa seminarier är MYCKET mer krävande än andra.
Have not really studied seriously yet but I estimate that I would need around that amount of time to achieve a good understanding.

Comments (I worked: 30-32 timmar/vecka)
It was hard to know what to study or do.
a combination of bad course materials, bad teaching pedagogy and bad evaluation in the examination made me suffer, I put in too much effort just to understand basics that the teacher took for granted like we know functional programming from before or something, I would recommend that his majesty take some time to watch over his slides if he can accept that his slides really sucks and the fact that students already pointed it out and make better incremental type of exercises.

Comments (I worked: 36-38 timmar/vecka)
Read book, program and Write code. Do exercises.
The polar diagrams below show the average response to the LEQ statements for different groups of respondents (only valid responses are included). The scale that is used in the diagrams is defined by:

1 = No, I strongly disagree with the statement  
4 = I am neutral to the statement  
7 = Yes, I strongly agree with the statement

Note! A group has to include at least 3 respondents in order to appear in a diagram.
KTH Learning Experience Questionnaire v3.1.4

**Meaningfulness - emotional level**

*Stimulating tasks*

1. I worked with interesting issues (a)

*Exploration and own experience*

2. I explored parts of the subject on my own (a)
3. I was able to learn by trying out my own ideas (b)

*Challenge*

4. The course was challenging in a stimulating way (c)

*Belonging*

5. I felt togetherness with others on the course (d)
6. The atmosphere on the course was open and inclusive (d)

**Comprehensibility - cognitive level**

*Clear goals and organization*

7. The intended learning outcomes helped me to understand what I was expected to achieve (e)
8. The course was organized in a way that supported my learning (e)

*Understanding of subject matter*

9. I understood what the teachers were talking about (f)
10. I was able to learn from concrete examples that I could relate to (g)
11. Understanding of key concepts had high priority (h)
Constructive alignment

12. The course activities helped me to achieve the intended learning outcomes efficiently (i)
13. I understood what I was expected to learn in order to obtain a certain grade (i)

Feedback and security

14. I received regular feedback that helped me to see my progress (j)
15. I could practice and receive feedback without being graded (j)
16. The assessment on the course was fair and honest (k)

Manageability - instrumental level

Sufficient background knowledge

17. My background knowledge was sufficient to follow the course (f)

Time to reflect

18. I regularly spent time to reflect on what I learned (l)

Variation and participation

19. The course activities enabled me to learn in different ways (m)
20. I had opportunities to influence the course activities (m)

Collaboration

21. I was able to learn by collaborating and discussing with others (n)

Support

22. I was able to get support if I needed it (c)
Learning factors from the literature that LEQ intends to examine

We tend to learn most effectively (in ways that make a sustained, substantial, and positive influence on the way we think, reflect, act or feel) when:

a) We are trying to answer questions, solve problems or acquire skills that we find interesting, exciting or important

b) We are able to speculate, test ideas (intellectually or practically) and learn from experience, even before we know much about the subject

c) We are able to do so in a challenging and at the same time supportive environment

d) We feel that we are part of a community and believe that other people have confidence in our ability to learn

e) We understand the meaning of the intended learning outcomes, how the environment is organized, and what is expected of us

f) We have adequate prior knowledge to deal with the current learning situation

g) We are able to learn inductively by moving from concrete examples and experiences to general principles, rather than the reverse

h) We are challenged to develop a true understanding of key concepts and gradually create a coherent whole from the content

i) We believe that the work we are expected to do will help us to achieve the intended learning outcomes

j) We are able to try, fail, and receive feedback before, and separate from, each summative assessment of our efforts

k) We believe that our work will be considered in an honest and fair way

l) We have sufficient time for learning and devote the time needed to do so
m) We believe that we have control over our own learning, and not that we are being manipulated

n) We are able to collaborate with other learners struggling with the same problems

**Literature**


Comments

(I am: Man)

Wtf does this question mean?
penis person

What does it matter if I am a male or female and how my comment would change based on that? Which genious came up with this question and above all who agreed?? My comment is with good and playful intension, not insulting:

Comments (I am: Vill ej uppe)

this course and this teacher was really a good example of how a MAN can kill the enthusiasm and make you disappointed that you take the course at all. I am so sorry but Johan is unfit as a teacher in this course.
It is absolutely essential that students taking this course have a good understanding of the concepts in the Algorithms and Data Structures course to have a chance of getting a few points on the exam, let alone passing the course.

Bachelor student at KTH (year 1-3), however not swedish.
Comments

(Respondent's comment: Ja)

Väldigt hög tröskel kodmässigt, från allt inte kunna något till Huffman.
<table>
<thead>
<tr>
<th>What was the best aspect of the course?</th>
<th>(I worked: <strong>9-11 timmar/vecka</strong>)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ett helt nytt programmerings sätt.</td>
<td>The lectures were very interesting and the syntax of Elixir is EXTREMELY intuitive to the point where the transition from pseudo-code to real code is almost unnoticeable. The programming questions on the exam were fun and challenging.</td>
</tr>
<tr>
<td>What was the best aspect of the course?</td>
<td>(I worked: <strong>12-14 timmar/vecka</strong>)</td>
</tr>
<tr>
<td>Montelius gives great lectures. The seminar tasks were interesting tasks in themselves.</td>
<td>Learning about functional programming and concurrent programming as its a bit different from object oriented programming</td>
</tr>
<tr>
<td>What was the best aspect of the course?</td>
<td>(I worked: <strong>15-17 timmar/vecka</strong>)</td>
</tr>
<tr>
<td>The labs were helpful in understanding how the concepts we learned really work in real life.</td>
<td>Lära sig ett helt nytt sätt att tänka på programmeringsmässigt.</td>
</tr>
<tr>
<td>Good lecturer, fun exercises.</td>
<td></td>
</tr>
<tr>
<td>Det som var bäst (men kanske även sämst) var att det inte några obligatoriska examinationer utöver tentamen. Videl var skönt eftersom vi läste kursen parallellt till IK1203 som hade väldigt många obligatoriska moment. Men detta kan även vara jobbigt ifall man inte har så bra egen disciplin.</td>
<td></td>
</tr>
<tr>
<td>What was the best aspect of the course?</td>
<td>(I worked: <strong>18-20 timmar/vecka</strong>)</td>
</tr>
<tr>
<td>Att jag fick lära mig ett helt nytt programmeringsspråk och nytt tänk.</td>
<td>Interesting overall. It was a sensible gradual increase in the difficulty.</td>
</tr>
<tr>
<td>Concurrency.</td>
<td>Subject of concurrency, the teacher and the intro into a new way of programming</td>
</tr>
<tr>
<td>Seminarierna</td>
<td></td>
</tr>
<tr>
<td>What was the best aspect of the course?</td>
<td>(I worked: <strong>30-32 timmar/vecka</strong>)</td>
</tr>
<tr>
<td>when I saw some youtube videos about Elixir and conferences, I really got interested about Elixir and functional programming but the teacher really killed that feeling for me. after the first week I did not know what is the next , what should I learn in this part of the course. you lost me sir there. That was the best aspect of the course.</td>
<td></td>
</tr>
<tr>
<td>What was the best aspect of the course?</td>
<td>(I worked: <strong>36-38 timmar/vecka</strong>)</td>
</tr>
<tr>
<td>No labs that one need to struggle and meet deadlines with.</td>
<td>worst course ever. The material was bad and not related to course</td>
</tr>
</tbody>
</table>
What would you suggest to improve?

What would you suggest to improve? (I worked: 9-11 timmar/vecka)
The introduction dokumentet förtydliga att det sista kodraden som avseverar i en funktion som skrivs ut i shell. Förtydligar varför fonctionellt programmering behövs.

What would you suggest to improve? (I worked: 12-14 timmar/vecka)

Add a lab section to the course. At the moment I am in a math course that tests us each week, it is great for getting students to start coding early.

What would you suggest to improve? (I worked: 15-17 timmar/vecka)
The lectures and exercises as it felt that we missed or skipped 20% of them.

What would you suggest to improve? (I worked: 18-20 timmar/vecka)

What would you suggest to improve? (I worked: 30-32 timmar/vecka)
teaching how to code in elixir lectures or at least just in the exercises, seminars were very hard and out of context. Lectures content was hard to apprehend and understand, feels like they were for students who already knew a lot about the subject.

What would you suggest to improve? (I worked: 36-38 timmar/vecka)
More openness in the course, a dager environment to ask questions.
### What advice would you like to give to future participants?

<table>
<thead>
<tr>
<th>Worked Hours</th>
<th>Advice</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-11 hours/week</td>
<td>Try to solve the seminar tasks, work together with others, and go to the scheduled exercises if you ever get stuck. Practice lots on exam questions about functional programming very early on since they're small problems that are a good starting point to gain further knowledge and to solve larger problems such as those that are discussed in the seminars.</td>
</tr>
<tr>
<td>12-14 hours/week</td>
<td>Object oriented programming is garbage and leads to brain degeneration, please learn functional programming. exercism.io has good exercises, go there for practice.</td>
</tr>
<tr>
<td>15-17 hours/week</td>
<td>You should treat the exercises and seminars as mandatory so that you keep programming regularly throughout the course as I found this to be an effective way to study for the exam and learn the content.</td>
</tr>
<tr>
<td>30-32 hours/week</td>
<td>It is very hard to google stuff about elixir, just hope for a pass.</td>
</tr>
<tr>
<td>36-38 hours/week</td>
<td>It is very hard to google stuff about elixir, just hope for a pass.</td>
</tr>
</tbody>
</table>

*Note: The text is in Swedish, and the advice is translated for better understanding.*
<table>
<thead>
<tr>
<th>Is there anything else you would like to add?</th>
<th>I worked: 0-2 timmar/vecka</th>
</tr>
</thead>
<tbody>
<tr>
<td>I think the exam grading was harsh. With only 2 out of 10 points to spare to even pass - deducting an entire point for a small mistake seems excessive.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Is there anything else you would like to add?</th>
<th>I worked: 15-17 timmar/vecka</th>
</tr>
</thead>
<tbody>
<tr>
<td>I felt like the lectures were sometimes not very structured, and it was hard to keep track of what was being asked as the teacher was always moving forward and never repeated the same thing again, which would've been necessary for my at least to follow</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Is there anything else you would like to add?</th>
<th>I worked: 18-20 timmar/vecka</th>
</tr>
</thead>
<tbody>
<tr>
<td>The new tentamen structure is much better the old had way too many questions. MYCKET bra att erlang ersatts av elixir!</td>
<td></td>
</tr>
<tr>
<td>Good course. I am not sure if mandatory assignments would be a plus but it is a suggestion</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Is there anything else you would like to add?</th>
<th>I worked: 30-32 timmar/vecka</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam was very hard. 60% should be enough to pass I think. If there were competition for being a teacher in KTH, someone like his majesty would not be able to get the job, unfortunately being a teacher is not so lucrative for many I guess, if I were to take over this course I would better see the needs of the students and address it in a better way.</td>
<td></td>
</tr>
</tbody>
</table>

**SPECIFIC QUESTIONS**
RESPONSE DATA

The diagrams below show the detailed response to the LEQ statements. The response scale is defined by:

-3 = No, I strongly disagree with the statement
0 = I am neutral to the statement
+3 = Yes, I strongly agree with the statement
X = I decline to take a position on the statement
It was sometimes difficult to understand our assignments since they were quite abstract, it would’ve been nice with some more real life parallels.

The application of concepts was a challenge.

I found many of the problems to be too challenging, and since they were not obligatory it was hard to "force" myself to complete them, also due to the accompanying course having quite a heavy workload.
15. I was able to practice and receive feedback without being graded

Comments

Comments (My response was: +1)
Svårt att få feedback men lärarassistenterna var hjälpsamma

Comments (My response was: +2)
The exercises provide lots of practice.

Comments (My response was: X)
Deltog inte i handledningarna
The assessment on the course was fair and honest.

- Comments (My response was: -1)
  - Binary is not a good way of evaluation, but ok!

- Comments (My response was: +1)
  - Inte särskilt rättvis med så få poäng o ingen chans att få delpoäng

- Comments (My response was: +2)
  - However I will take the exam in June for the first time seriously. But I trust Johan in being both fair and honest

- Comments (My response was: +3)
  - The assessment was hard, but fair.
Comments

(My response was: 0)

Tredjeårs student

Writing and discussing solutions with others is absolutely necessary.
22. I was able to get support if I needed it

<table>
<thead>
<tr>
<th>Response</th>
<th>Number of responses</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>-3</td>
<td>1 (8.8%)</td>
<td></td>
</tr>
<tr>
<td>-2</td>
<td>1 (8.8%)</td>
<td></td>
</tr>
<tr>
<td>-1</td>
<td>2 (17.7%)</td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>3 (15.4%)</td>
<td></td>
</tr>
<tr>
<td>+1</td>
<td>4 (19.4%)</td>
<td></td>
</tr>
<tr>
<td>+2</td>
<td>5 (28.6%)</td>
<td></td>
</tr>
<tr>
<td>+3</td>
<td>8 (30.8%)</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>2 (7.7%)</td>
<td></td>
</tr>
</tbody>
</table>

Comments

- The teaching assistant could not really help, because of lack of knowledge when discussing.

Comments (My response was: +3)

- Övningarna var super! Assarna kunde alltid hjälpa till.

Canvas