Network Security – Dr. Robert Koch, Prof. Dr. Peter Martini

Lecture Survey – Fachschaft Informatik

September 7, 2019

Turned in Questionnaires: 25

1 Lecture Evaluation

1.1 Please rate the lecture's concept.

1.1.1 How often did you attend the lecture?

Always – Never

| 50 % | 33 % | 17 % | 0 % | 0 % |

Answers: 24
Mean: 1.7
Standard-Deviation: 0.7

| 1 | 2 | 3 | 4 | 5 |
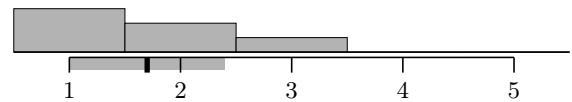
1.1.2 Did the lecture appear to be clearly structured to you?

Yes – No

| 38 % | 58 % | 4 % | 0 % | 0 % |

Answers: 24
Mean: 1.7
Standard-Deviation: 0.6

| 1 | 2 | 3 | 4 | 5 |
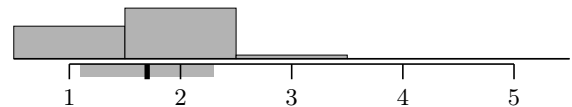
1.1.3 Have topics been illustrated by sensible examples?

Always – Never

| 28 % | 44 % | 24 % | 4 % | 0 % |

Answers: 25
Mean: 2.0
Standard-Deviation: 0.8

| 1 | 2 | 3 | 4 | 5 |
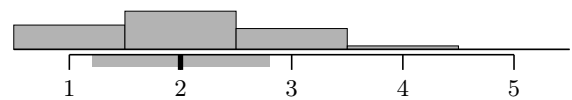
1.1.4 Were the slides/lecture notes helpful?

Very helpful – Not helpful

| 4 % | 36 % | 40 % | 16 % | 4 % |

Answers: 25
Mean: 2.8
Standard-Deviation: 0.9

| 1 | 2 | 3 | 4 | 5 |
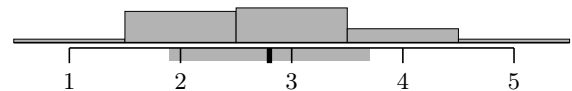
1.1.5 Have the topics been explained extensively enough?

Always – Never

| 20 % | 64 % | 8 % | 0 % | 8 % |

Answers: 25
Mean: 2.1
Standard-Deviation: 1.0

| 1 | 2 | 3 | 4 | 5 |
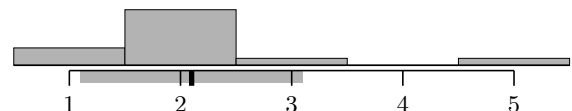
2 Lecturer Evaluation

2.1 Please rate Dr. Robert Koch.

2.1.1 How much of the content do you understand during the lecture?
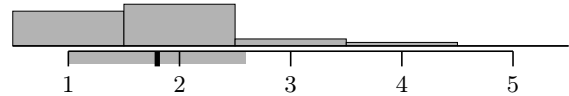
Everything – Nothing

40 %   48 %   8 %   4 %   0 %

Answers: 25
Mean: 1.8
Standard-Deviation: 0.8

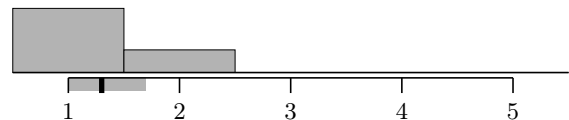2.1.2 Did the lecturer answer your questions profoundly?

Always – Never

74 %   26 %   0 %   0 %   0 %

Answers: 23
Mean: 1.3
Standard-Deviation: 0.4

2.1.3 Was the lecturer available for questions outside of the lecture?
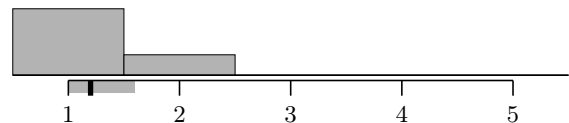
Always – Never

76 %   24 %   0 %   0 %   0 %

Answers: 17
Mean: 1.2
Standard-Deviation: 0.4

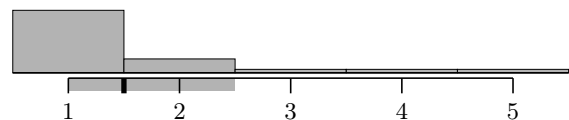2.1.4 Could you understand the lecturer acoustically?

Very well – Not at all

72 %   16 %   4 %   4 %   4 %

Answers: 25
Mean: 1.5
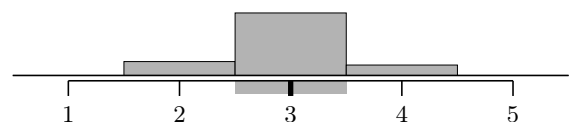Standard-Deviation: 1.0

2.1.5 The speed of proceeding was...

Too fast – Too slow

0 %   16 %   72 %   12 %   0 %

Answers: 25
Mean: 3.0
Standard-Deviation: 0.5

2.2 Please rate Prof. Dr. Peter Martini.

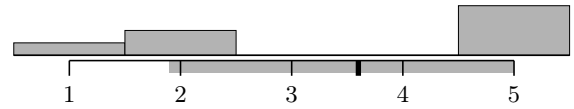2.2.1 How much of the content do you understand during the lecture?

Everything – Nothing

| | 14 % | 29 % | 0 % | 0 % | 57 % |

Answers: 7
Mean: 3.6
Standard-Deviation: 1.7

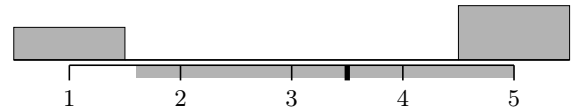2.2.2 Did the lecturer answer your questions profoundly?

Always – Never

| | 38 % | 0 % | 0 % | 0 % | 63 % |

Answers: 8
Mean: 3.5
Standard-Deviation: 1.9

2.2.3 Was the lecturer available for questions outside of the lecture?

Always – Never

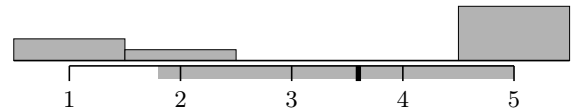| | 25 % | 13 % | 0 % | 0 % | 63 % |

Answers: 8
Mean: 3.6
Standard-Deviation: 1.8

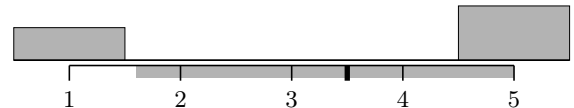2.2.4 Could you understand the lecturer acoustically?

Very well – Not at all

| | 38 % | 0 % | 0 % | 0 % | 63 % |

Answers: 8
Mean: 3.5
Standard-Deviation: 1.9

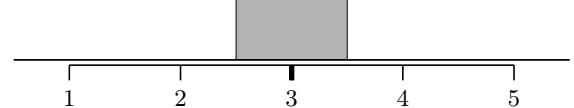2.2.5 The speed of proceeding was...

Too fast – Too slow

| | 0 % | 0 % | 100 % | 0 % | 0 % |

Answers: 7
Mean: 3.0
Standard-Deviation: 0.0

3 Module Evaluation
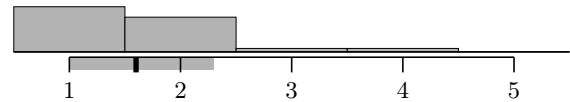
3.1 Please rate the module as a whole.

3.1.1 Did the course teach you helpful knowledge and abilities that will be useful in later work life?

Much – Nothing

52 % 40 % 4 % 4 % 0 %

Answers: 25
Mean: 1.6
Standard-Deviation: 0.7

3.1.2 Do the obligatory course achievements support successful completion of the module?

Yes – No

40 % 44 % 8 % 8 % 0 %

Answers: 25
Mean: 1.8
Standard-Deviation: 0.9
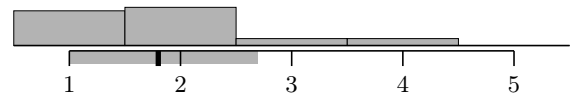
3.1.3 Do you think the obligatory course achievements are adequate?

Yes – No

28 % 28 % 36 % 4 % 4 %

Answers: 25
Mean: 2.3
Standard-Deviation: 1.0
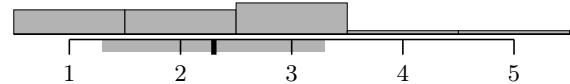
3.1.4 Did your interest in this module's field of study change?

Strongly inc. – Strongly dec.

24 % 52 % 16 % 4 % 4 %

Answers: 25
Mean: 2.1
Standard-Deviation: 1.0

3.1.5 Would you recommend taking this module to your best friend?

Yes – No

44 % 28 % 16 % 8 % 4 %

Answers: 25
Mean: 2.0
Standard-Deviation: 1.1
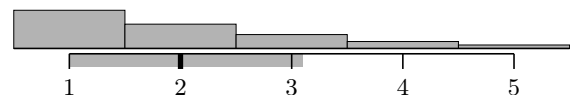
3.1.6 In relation to the number of credit points awarded, is the amount of work to be done justified?

Too high – Too low   12 %   44 %   40 %   4 %   0 %

Answers: 25
Mean: 2.4
Standard-Deviation: 0.7

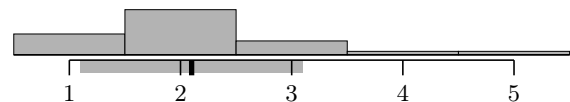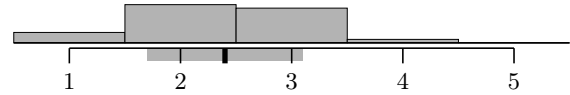3.2 How much time did you spend on this module every week, including lecture, exercises, exercise tasks. . . ?

[0,3) hours	8 %	
[3,6) hours	25 %	
[6,8) hours	17 %	
[8,10) hours	29 %	
[10,12) hours	8 %	
[12,∞) hours	13 %	
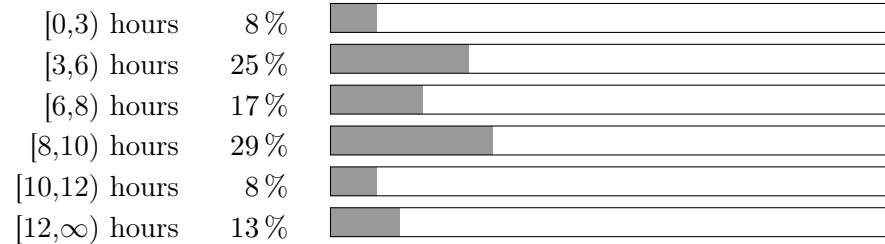
4 Exercise Evaluation

4.1 Please rate the quality of the exercises that accompanied the lecture.

4.1.1 How often did you attend the exercise class?

Always – Never   48 %   36 %   8 %   8 %   0 %

Answers: 25
Mean: 1.8
Standard-Deviation: 0.9
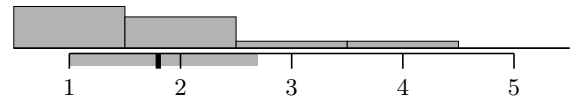
4.1.2 Have the exercise sheets been available on time?

Always – Never   76 %   12 %   12 %   0 %   0 %

Answers: 25
Mean: 1.4
Standard-Deviation: 0.7
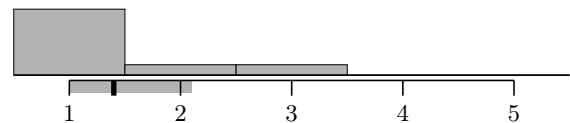
4.1.3 The difficulty of the exercise sheets varied...

Not at all – Greatly

	4 %	32 %	12 %	40 %	12 %

Answers: 25
Mean: 3.2
Standard-Deviation: 1.1
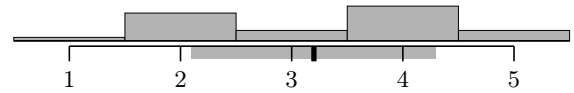
4.1.4 Did the contents of the exercises match the current contents of the lecture?

Lecture far ahead – Lecture far behind

	4 %	8 %	25 %	50 %	13 %

Answers: 24
Mean: 3.6
Standard-Deviation: 1.0
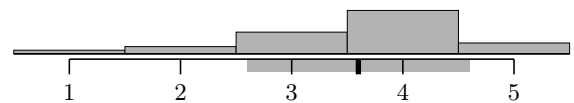
4.1.5 Judge the size of your exercise group!

Too big – Too small

	4 %	8 %	83 %	0 %	4 %

Answers: 24
Mean: 2.9
Standard-Deviation: 0.6
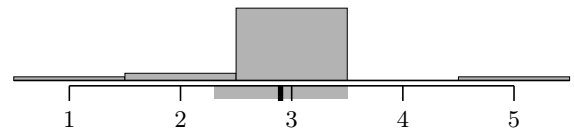
4.1.6 Usually I thought the exercises were...

Too difficult – Very easy

	20 %	36 %	44 %	0 %	0 %

Answers: 25
Mean: 2.2
Standard-Deviation: 0.8
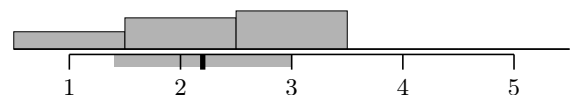
5 Exercise Class Evaluation

5.1 Please rate the exercise class you visited.

5.1.1 Has the tutor been available for questions outside of the tutorial?

Always – Never

	86 %	9 %	4 %	0 %	0 %

Answers: 22
Mean: 1.2
Standard-Deviation: 0.5

5.1.2 Could you understand your tutor's corrections and gradings?

Always – Never   63 %   25 %   8 %   4 %   0 %

Answers: 24
Mean: 1.5
Standard-Deviation: 0.8

           1   2   3   4   5
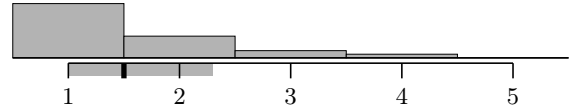
5.1.3 Did the tutor manage to handle all the relevant content in the exercise class?

Always – Never   67 %   21 %   13 %   0 %   0 %

Answers: 24
Mean: 1.5
Standard-Deviation: 0.7

           1   2   3   4   5
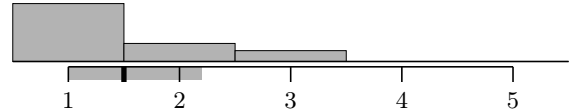
5.1.4 Would you recommend visiting this exercise class?
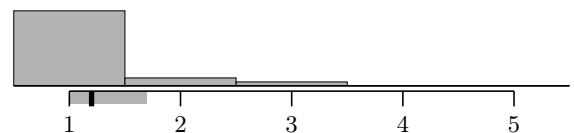
Yes – No   67 %   21 %   13 %   0 %   0 %

Answers: 24
Mean: 1.5
Standard-Deviation: 0.7

           1   2   3   4   5
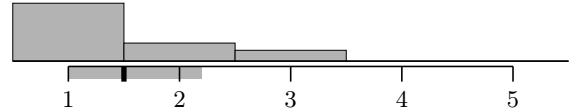
6 Comprehensive Rating

6.1 Please give an overall rating of the course on a scale from excellent (1) to very poor (6).

excellent (1)	12 %	
good (2)	52 %	
satisfactory (3)	36 %	
adequate (4)	0 %	
poor (5)	0 %	
very poor (6)	0 %	
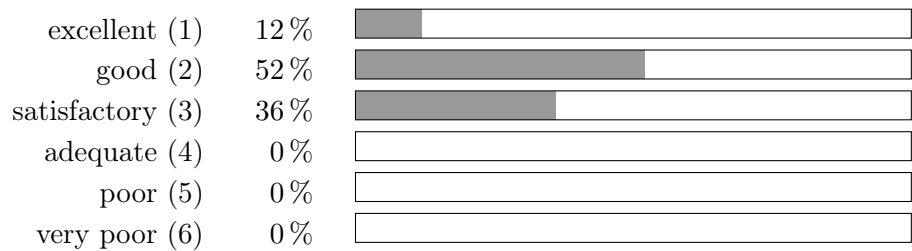
7 Free Text Comments

7.1 Which aspects of the course did you like?

Lecture is awesome
Great Prof. Interesting stories.
Slides are okay
Some exercises were really fun

THE PROF HAS FUN DURING THE LECTURE HE IS VERY MOTIVATED. I LIKE THAT.

Only Exercises lecture become boring Sometime

- funny talking style
- ok for a lecture after 16:00

The practical approach of the exercises.

Exercises were fun

Topics. Lecure is very good

Dr Koch was motivated and gave good lectures

- The intention of teaching these topics is appreciated
- PRofessor delivers lecture nicely

7.2 What could be improved?

I wish I knew the level of detail.
I have to know the topics and what topics / exercises / stories are important for the exam.

IT WOULD BE NICE IF ThE EXERCISES WERE WORKING. ONLY THE EXPERTS CAN
RECORGNIZE IF SOMETHING BROKES, WHILE I'M FRUSTRATED BECAUSE I THINK I AM
TOO STUPID.
I WANT KAHOOT IN THIS LECTURE, TOO.

- To more to deep
- improve the spoken english
e.g. mode != mood; server != surfer

It was often unclear what the exercises have to do with the lecture and they were not in sync! =>
Unclear whats relevant for the exam

- Very hard entry which scores most students away.
- Exercise system very buggy.
- Lecture focus differ from Exercise focus

- The infrastructure for the exercises was often not running
- They entry into the exercises was difficult

- The content of the slides could be more focussed on what exactly the attack was doing in detail rather than giving statistics on how the attack affected the people around

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Exercises and lecture were out of Sync.

7.3 You can leave remarks and further feedback here.

I am not sure what is important for the exam.
Material from lecture and exercise differ in detail.

WHEN I SAW THE TUTORS, I WANTED TO RUN FAR FAR AWAY...
BY THE WAY: THE TUTORS WERE THE SAME LIKE IN PABE WHERE NO EVALUATION TOOK PLACE. THEY WERE TOO AFRAID TO GET ALL THE BAD FEEDBACK, DIDN'T THEY?

- to much repetition from known topics. Nothing really new!
- slides sometimes/often crafted like we learned not to do it: sentence after sentence
speaker
lecture only reads it up

I prefered the exercises in Programm Analysis and binary exploitation.
Every exercise felt, as if it was considered secure at at some points in the past (NX for example), in PABE.
In this lecture most exercises were secure, but the random nonces were fixed. No shit, that these are crackable...

Lecturers' Questionnaire

This part contains data provided by the lecturers.

1 Lecture metadata

Number of students in the lecture at the beginning of the semester	90
Number of students in the lecture at the end of the semester	45
Number of students participating in the exercise classes at the beginning of the semester	85
Number of students participating in the exercise classes at the end of the semester	65
Number of students that have registered for the exam	59

2 Exercise classes

Number of exercise classes	5
Average number of students per exercise class at the end of the semester	40

The students have been assigned to an exercise class in the following way:

Not applicable: There is only one exercise class.

3 Helpful stuff

There has been **no** test exam.

The students were provided with sample solutions for exercise tasks.

4 Free text comments

4.1 In your opinion, what aspects of the module worked well this semester?

4.2 What would you change if you were to offer this module again and why?

There was some trouble registering for the exercises and the VMs hosting the exercises are accessible from within the CS network only. We try to overcome these issues when the lecture is offered again. Moreover, we want to ensure that the exercises and the lecture are even more in sync.

4.3 In case there have been obligatory course achievements: Please judge on their effectivity regarding the learning success of the students.

From last years' experience we observed that students who actively participated in the exercises achieved better results in the exams. So, "forcing" them to solve at least 50

4.4 Further remarks

In principle, a lecture "computer networks" should be attended in advance to have an overview of the most important network protocols before attending the lecture "network security". This was probably not offered in advance, or many students did not have this knowledge.