Data Science and Big Data – Dr. Tamas Horvath; PD Dr. Michael Mock; Prof. Dr. Stefan Wrobel

Lecture Survey – Fachschaft Informatik

4. September 2015

Abgegebene Fragebögen: 12

1 Lecture Evaluation

1.1 Please rate the lecture's concept.

1.1.1 How often did you attend the lecture?

Always – Never   83 %   17 %   0 %   0 %   0 %

Antworten: 12
Durchschnitt: 1.2
Standardabweichung: 0.4
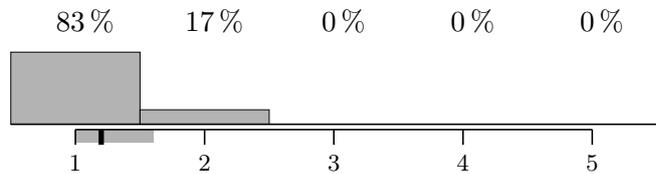
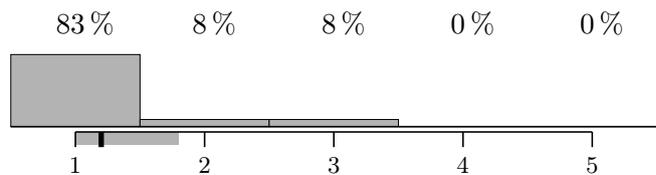### 1.1.2 Did the lecture appear to be clearly structured to you?

Yes – No   83 %   8 %   8 %   0 %   0 %

Antworten: 12
Durchschnitt: 1.2
Standardabweichung: 0.6

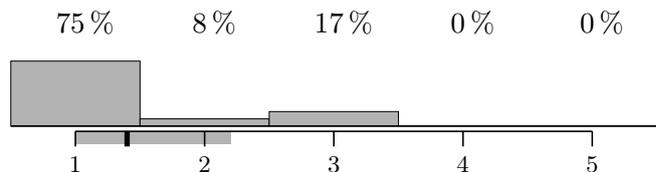### 1.1.3 Have topics been illustrated by sensible examples?

Always – Never   75 %   8 %   17 %   0 %   0 %
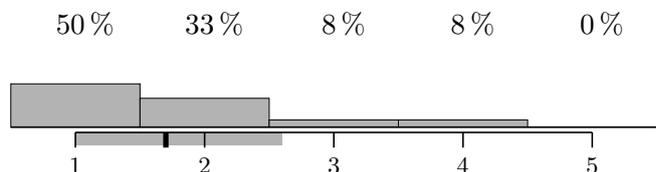
Antworten: 12
Durchschnitt: 1.4
Standardabweichung: 0.8

1.1.4 Were the slides/lecture notes helpful?

Very helpful – Not helpful   50 %   33 %   8 %   8 %   0 %

Antworten: 12
Durchschnitt: 1.7
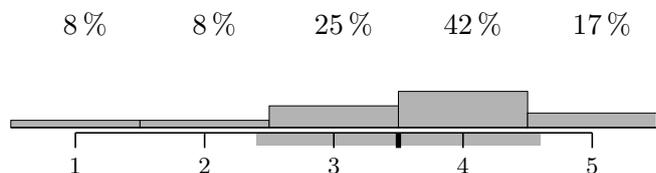Standardabweichung: 0.9

1.1.5 Have there been topics that should have been explained more extensively?

Many – None   8 %   8 %   25 %   42 %   17 %

Antworten: 12
Durchschnitt: 3.5
Standardabweichung: 1.1

2 Lecturer Evaluation

2.1 Please rate Dr. Tamas Horvath.

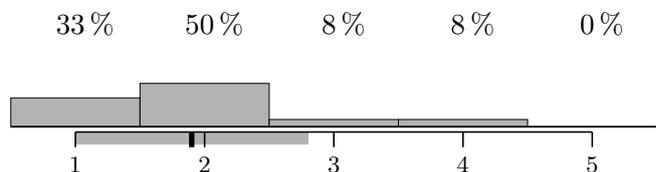### 2.1.1 How much of the content do you understand during the lecture?

Everything – Nothing   33 %   50 %   8 %   8 %   0 %
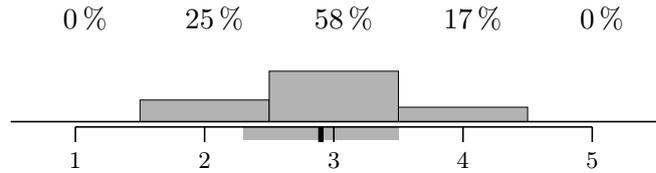
Antworten: 12
Durchschnitt: 1.9
Standardabweichung: 0.9

2.1.2 The speed of proceeding was...

Too fast – Too slow

| | 0 % | 25 % | 58 % | 17 % | 0 % |

Antworten: 12
Durchschnitt: 2.9
Standardabweichung: 0.6

2.1.3 Did the lecturer answer your questions profoundly?

Always – Never

| | 75 % | 17 % | 8 % | 0 % | 0 % |

Antworten: 12
Durchschnitt: 1.3
Standardabweichung: 0.6
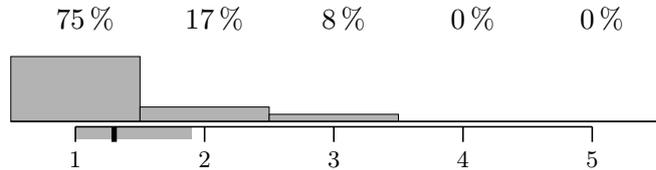
2.1.4 Was the lecturer available for questions outside of the lecture?

Always – Never

| | 73 % | 9 % | 18 % | 0 % | 0 % |

Antworten: 11
Durchschnitt: 1.5
Standardabweichung: 0.8
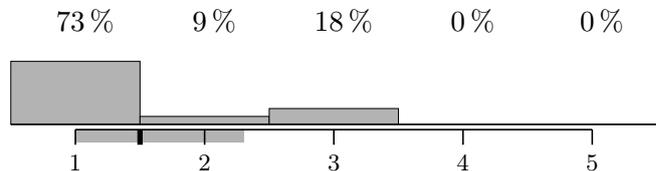
2.1.5 Could you understand the lecturer acoustically?

Very well – Not at all

| | 58 % | 33 % | 0 % | 8 % | 0 % |

Antworten: 12
Durchschnitt: 1.6
Standardabweichung: 0.9
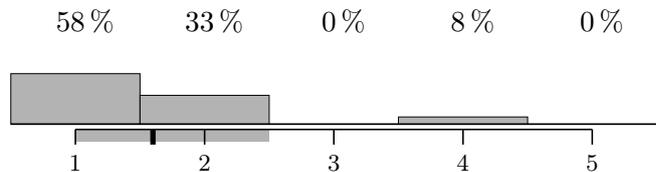
2.2 Please rate PD Dr. Michael Mock.

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

Everything – Nothing

| | 27 % | 64 % | 9 % | 0 % | 0 % |

Antworten: 11
Durchschnitt: 1.8
Standardabweichung: 0.6
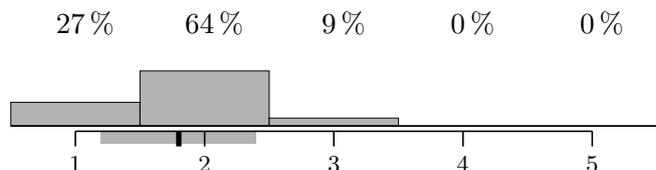
2.2.2 The speed of proceeding was...

Too fast – Too slow

| | 0 % | 27 % | 73 % | 0 % | 0 % |

Antworten: 11
Durchschnitt: 2.7
Standardabweichung: 0.4
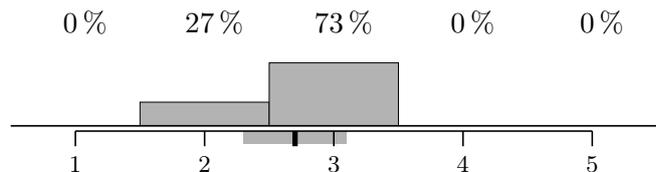
2.2.3 Did the lecturer answer your questions profoundly?

Always – Never   64 %   18 %   9 %   9 %   0 %

Antworten: 11
Durchschnitt: 1.6
Standardabweichung: 1.0

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

Always – Never   60 %   20 %   20 %   0 %   0 %

Antworten: 10
Durchschnitt: 1.6
Standardabweichung: 0.8

2.2.5 Could you understand the lecturer acoustically?

Very well – Not at all   64 %   18 %   9 %   9 %   0 %

Antworten: 11
Durchschnitt: 1.6
Standardabweichung: 1.0

2.3 Please rate Prof. Dr. Stefan Wrobel.

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

Everything – Nothing   33 %   67 %   0 %   0 %   0 %

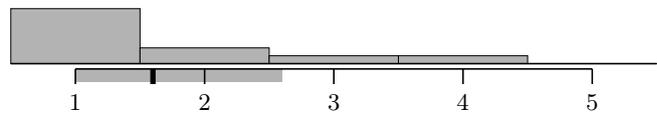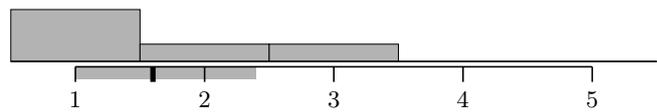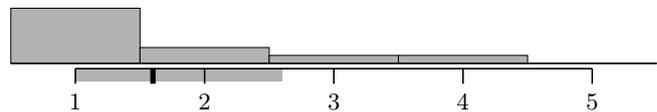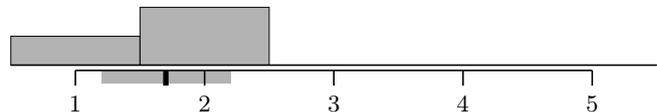Antworten: 3
Durchschnitt: 1.7
Standardabweichung: 0.5

2.3.2 The speed of proceeding was...
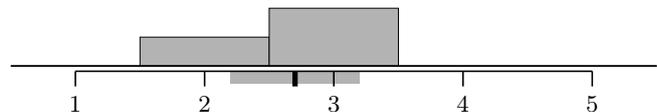
Too fast – Too slow   0 %   33 %   67 %   0 %   0 %

Antworten: 3
Durchschnitt: 2.7
Standardabweichung: 0.5

2.3.3 Did the lecturer answer your questions profoundly?
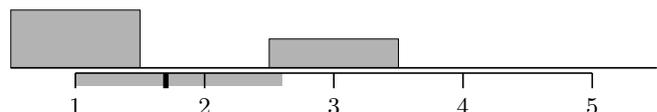
Always – Never   67 %   0 %   33 %   0 %   0 %
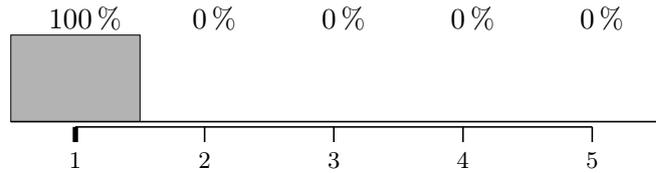
Antworten: 3
Durchschnitt: 1.7
Standardabweichung: 0.9

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

Always – Never

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

Antworten: 2
Durchschnitt: 1.0
Standardabweichung: 0.0

2.3.5 Could you understand the lecturer acoustically?

Very well – Not at all

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

Antworten: 3
Durchschnitt: 1.0
Standardabweichung: 0.0
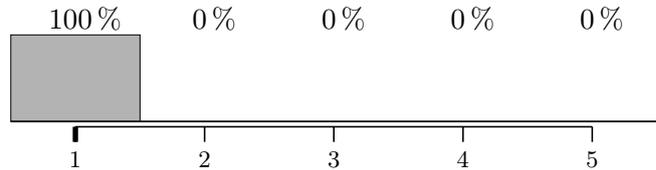
3 Exercise Evaluation

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

3.1.1 How often did you attend the exercise class?

Always – Never

| | 67% | 33% | 0% | 0% | 0% |

Antworten: 12
Durchschnitt: 1.3
Standardabweichung: 0.5
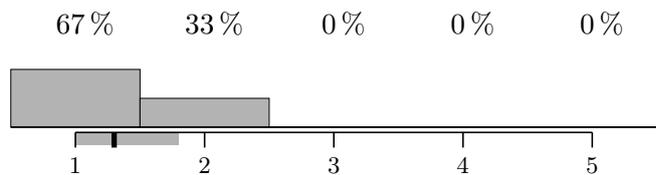
3.1.2 Did the contents of the exercises match the current contents of the lecture?

Lecture far ahead – Lecture far behind

| | 25% | 17% | 58% | 0% | 0% |

Antworten: 12
Durchschnitt: 2.3
Standardabweichung: 0.8
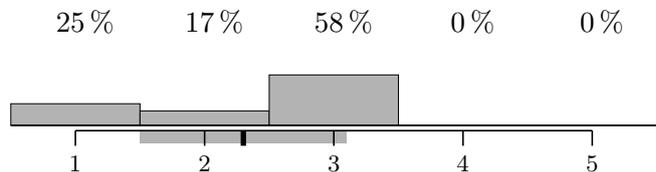
3.1.3 Have the exercise sheets been available on time?

Always – Never

| | 92% | 8% | 0% | 0% | 0% |

Antworten: 12
Durchschnitt: 1.1
Standardabweichung: 0.3
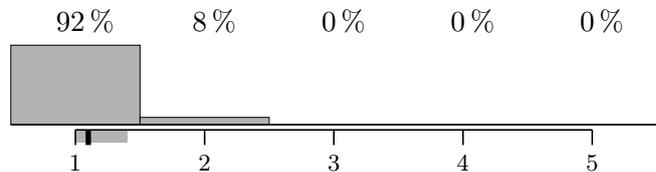
3.1.4 Judge the size of your exercise group!

Too big – Too small

| | 0% | 8% | 92% | 0% | 0% |

Antworten: 12
Durchschnitt: 2.9
Standardabweichung: 0.3
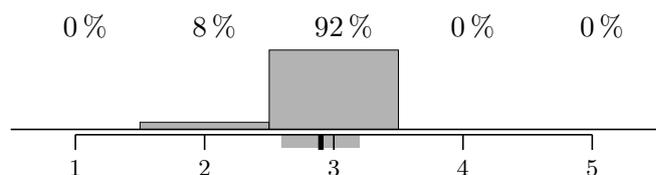
3.1.5 Usually I thought the exercises were...

Too difficult – Very easy   17 %   17 %   67 %   0 %   0 %

Antworten: 12
Durchschnitt: 2.5
Standardabweichung: 0.8
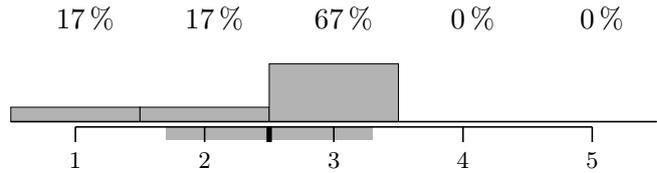
3.1.6 The difficulty of the exercises varied...

Greatly – Not at all   8 %   17 %   33 %   42 %   0 %

Antworten: 12
Durchschnitt: 3.1
Standardabweichung: 1.0
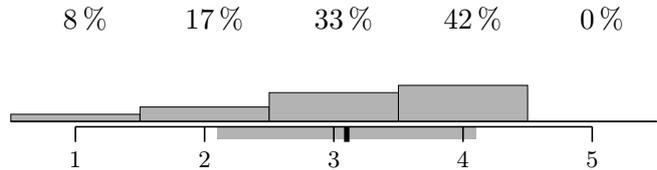
4 Module Evaluation

4.1 Please rate the module as a whole.

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

Much – Nothing   67 %   17 %   17 %   0 %   0 %

Antworten: 12
Durchschnitt: 1.5
Standardabweichung: 0.8
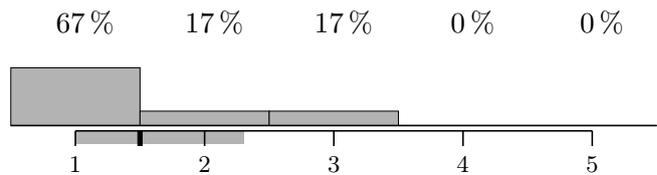
4.1.2 In relation to the number of credit points awarded, is the amount of work to be done justified?

Too high – Too low   9 %   36 %   46 %   9 %   0 %

Antworten: 11
Durchschnitt: 2.5
Standardabweichung: 0.8
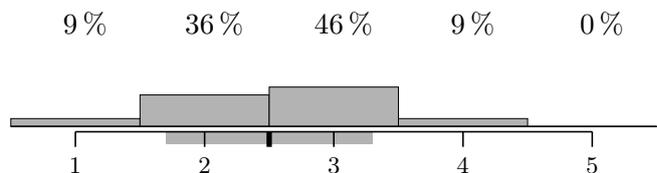
4.1.3 Do the obligatory course achievements support successful completion of the module?

Yes – No   64 %   36 %   0 %   0 %   0 %

Antworten: 11
Durchschnitt: 1.4
Standardabweichung: 0.5

4.1.4 Do you think the obligatory course achievements are adequate?

Yes – No   64 %   27 %   9 %   0 %   0 %

Antworten: 11
Durchschnitt: 1.5
Standardabweichung: 0.7

4.1.5 Did your interest in this module's field of study change?

Strongly inc. – Strongly dec.　　　　36 %　　18 %　　36 %　　0 %　　9 %

Antworten: 11
Durchschnitt: 2.3
Standardabweichung: 1.2

| 1 | 2 | 3 | 4 | 5 |

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

Yes – No　　　　64 %　　27 %　　0 %　　9 %　　0 %

Antworten: 11
Durchschnitt: 1.5
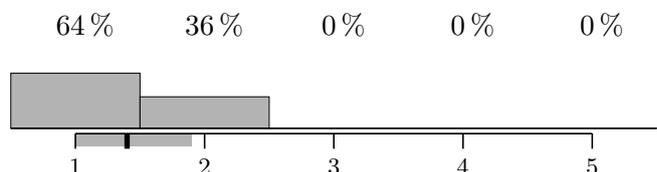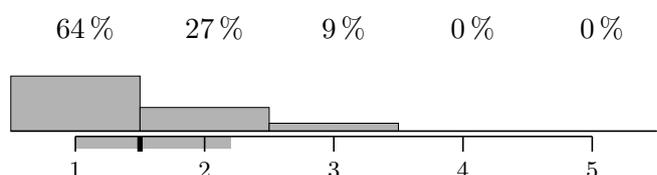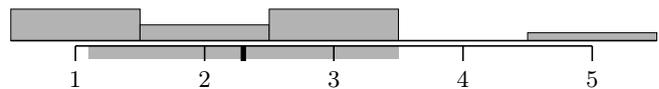Standardabweichung: 0.9

| 1 | 2 | 3 | 4 | 5 |
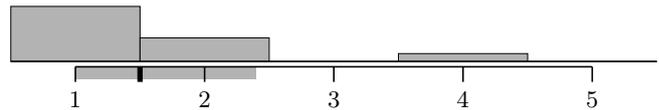
4.2 How much time did you spend on this module every week, including lecture, exercises, exercise tasks. . . ?

[0,3) hours	0 %	
[3,6) hours	42 %	
[6,8) hours	25 %	
[8,10) hours	25 %	
[10,12) hours	8 %	
[12,∞) hours	0 %	
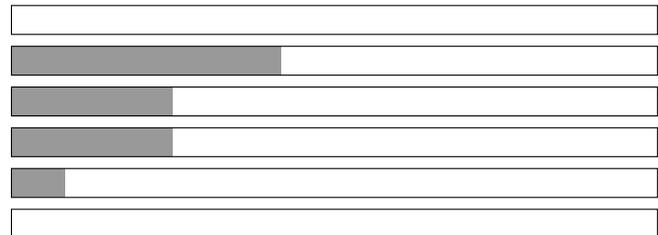
5 Exercise Class Evaluation

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　　　　83 %　　8 %　　8 %　　0 %　　0 %

Antworten: 12
Durchschnitt: 1.2
Standardabweichung: 0.6

| 1 | 2 | 3 | 4 | 5 |
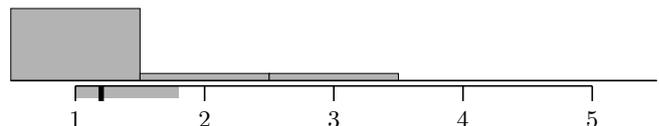
5.1.2 Could you understand your tutor's corrections and gradings?

Always – Never　　　　42 %　　33 %　　25 %　　0 %　　0 %

Antworten: 12
Durchschnitt: 1.8
Standardabweichung: 0.8

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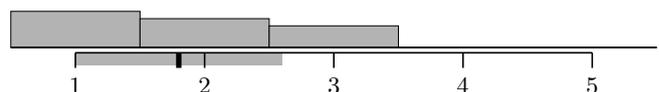
5.1.3 Did the tutor manage to handle all the relevant content in the exercise class?

Always – Never　　　　58 %　　17 %　　17 %　　8 %　　0 %

Antworten: 12
Durchschnitt: 1.8
Standardabweichung: 1.0

| 1 | 2 | 3 | 4 | 5 |
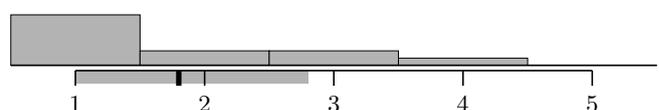
5.1.4 Would you recommend visiting this exercise class?

Yes – No   67 %   17 %   17 %   0 %   0 %

Antworten: 12
Durchschnitt: 1.5
Standardabweichung: 0.8

         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)	25 %	
good (2)	58 %	
satisfactory (3)	17 %	
adequate (4)	0 %	
poor (5)	0 %	
very poor (6)	0 %	

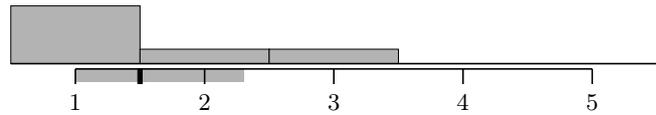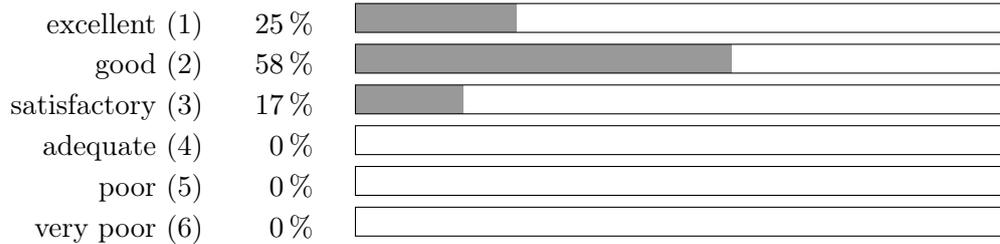## 7 Free Text Comments

7.1 Which aspects of the course did you like?

Content.
Professor

- state of the art topics
- Explanations were clear most of the time.

- Well aligned theory
- Ready workspace for practical projects

The topics were taken from papers with interesting results.
The examples were illustrative.
There were practical aspects in the course.

The programming part was explained very good and midterm is necessary in my opinion. The course is not too complicated and structured very good.

The topics are very relevant.

7.2 What could be improved?

Put the slide online before the lectures

Most complex topics would require more time in the lectures.

- Architecture part could be more demonstration based
- newer technologies could be covered
- more adequate examples and exercises would rise the interest to the architectural part

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- Structure of the course:

- Sections were not clear for first part.
- Too many proofs for second part.

The exercises should include a thorough overview of the lectures rather than just breifly solve the exercises.

Probably, a theoretical part should be a bit faster, nevertheless slides were good

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The lecture notes for the first part (Dr. Mock) are not well suited for studying. Need more explanations.

7.3 You can leave remarks and further feedback here.

Time series related architecture would be interesting to include in materials.

Mandatory course achievements

- joiningan exercise solution group

- active contributionto the solution of all homework assignments in the exercise solution group

- regularsubmission of the exercise group solutions (in written form for the theoretic and algorithmic tasks and electronically forthe programmingexercises)

- up to the date where the admission decision is made: achievement ofat least50% of all possible pointsthat can be received for the solutions submitted and for the oral presentation of the programming exercises

- passing of the mid-term exercise checkup

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	≈ 40
Number of students in the lecture at the end of the semester	≈ 25
Number of students participating in the exercise classes at the beginning of the semester	≈ 40
Number of students participating in the exercise classes at the end of the semester	≈ 20
Number of students that have registered for the exam	21^*

* (in BASIS)

2 Exercise classes

Number of exercise classes	2
Average number of students per exercise class at the end of the semester	10

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

Assignment by the lecturer

3 Helpful stuff

There has been a text exam.

Sample solutions for exercise tasks have been distributed.

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?

-

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

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4.4 Further remarks

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