Mobile Communication – Dr. rer. nat. Matthias Frank, Akademischer Oberrat; Dr. Markus Esch

Lecture Survey – Fachschaft Informatik

4. September 2015
1 Lecture Evaluation

1.1 Please rate the lecture’s concept.

1.1.1 How often did you attend the lecture?

<table>
<thead>
<tr>
<th>Always – Never</th>
<th>100%</th>
<th>0%</th>
<th>0%</th>
<th>0%</th>
<th>0%</th>
</tr>
</thead>
</table>

Antworten: 9
Durchschnitt: 1.0
Standardabweichung: 0.0

1.1.2 Did the lecture appear to be clearly structured to you?

<table>
<thead>
<tr>
<th>Yes – No</th>
<th>56%</th>
<th>22%</th>
<th>22%</th>
<th>0%</th>
<th>0%</th>
</tr>
</thead>
</table>

Antworten: 9
Durchschnitt: 1.7
Standardabweichung: 0.8

1.1.3 Have topics been illustrated by sensible examples?

<table>
<thead>
<tr>
<th>Always – Never</th>
<th>44%</th>
<th>33%</th>
<th>11%</th>
<th>11%</th>
<th>0%</th>
</tr>
</thead>
</table>

Antworten: 9
Durchschnitt: 1.9
Standardabweichung: 1.0

1.1.4 Were the slides/lecture notes helpful?

<table>
<thead>
<tr>
<th>Very helpful – Not helpful</th>
<th>22%</th>
<th>56%</th>
<th>0%</th>
<th>11%</th>
<th>11%</th>
</tr>
</thead>
</table>

Antworten: 9
Durchschnitt: 2.3
Standardabweichung: 1.2

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

<table>
<thead>
<tr>
<th>Many – None</th>
<th>0%</th>
<th>11%</th>
<th>11%</th>
<th>56%</th>
<th>22%</th>
</tr>
</thead>
</table>

Antworten: 9
Durchschnitt: 3.9
Standardabweichung: 0.9

2 Lecturer Evaluation

2.1 Please rate Dr. rer. nat. Matthias Frank, Akademischer Oberrat.

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

<table>
<thead>
<tr>
<th>Everything – Nothing</th>
<th>44%</th>
<th>56%</th>
<th>0%</th>
<th>0%</th>
<th>0%</th>
</tr>
</thead>
</table>

Antworten: 9
Durchschnitt: 1.6
Standardabweichung: 0.5
2.1.2 The speed of proceeding was...
Too fast – Too slow
Antworten: 9
Durchschnitt: 3.0
Standardabweichung: 0.0

2.1.3 Did the lecturer answer your questions profoundly?
Always – Never
Antworten: 9
Durchschnitt: 1.2
Standardabweichung: 0.4

2.1.4 Was the lecturer available for questions outside of the lecture?
Always – Never
Antworten: 9
Durchschnitt: 1.4
Standardabweichung: 0.5

2.1.5 Could you understand the lecturer acoustically?
Very well – Not at all
Antworten: 9
Durchschnitt: 1.8
Standardabweichung: 0.6

2.2 Please rate Dr. Markus Esch.

2.2.1 How much of the content do you understand during the lecture?
Everything – Nothing
Antworten: 9
Durchschnitt: 1.8
Standardabweichung: 0.6

2.2.2 The speed of proceeding was...
Too fast – Too slow
Antworten: 9
Durchschnitt: 2.6
Standardabweichung: 0.7
2.2.3 Did the lecturer answer your questions profoundly?

Always – Never
Antworten: 8
Durchschnitt: 1.9
Standardabweichung: 0.6

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

Always – Never
Antworten: 8
Durchschnitt: 2.5
Standardabweichung: 1.4

2.2.5 Could you understand the lecturer acoustically?

Very well – Not at all
Antworten: 9
Durchschnitt: 2.0
Standardabweichung: 0.7

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
Antworten: 9
Durchschnitt: 1.1
Standardabweichung: 0.3

3.1.2 Did the contents of the exercises match the current contents of the lecture?

Lecture far ahead – Lecture far behind
Antworten: 8
Durchschnitt: 2.6
Standardabweichung: 0.5

3.1.3 Have the exercise sheets been available on time?

Always – Never
Antworten: 9
Durchschnitt: 1.2
Standardabweichung: 0.6
3.1.4 Judge the size of your exercise group!

Too big – Too small
Antworten: 9
Durchschnitt: 3.0
Standardabweichung: 0.5

3.1.5 Usually I thought the exercises were...

Too difficult – Very easy
Antworten: 9
Durchschnitt: 3.1
Standardabweichung: 0.9

3.1.6 The difficulty of the exercises varied...

Greatly – Not at all
Antworten: 9
Durchschnitt: 2.6
Standardabweichung: 0.5

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
Antworten: 9
Durchschnitt: 2.0
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
Antworten: 8
Durchschnitt: 3.2
Standardabweichung: 0.4

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

Yes – No
Antworten: 9
Durchschnitt: 2.6
Standardabweichung: 1.3
4.1.4 Do you think the obligatory course achievements are adequate?
Yes – No
Antworten: 8
Durchschnitt: 2.8
Standardabweichung: 1.5

4.1.5 Did your interest in this module's field of study change?
Strongly inc. – Strongly dec.
Antworten: 9
Durchschnitt: 2.7
Standardabweichung: 0.8

4.1.6 Would you recommend taking this module to your best friend?
Yes – No
Antworten: 9
Durchschnitt: 2.0
Standardabweichung: 1.2

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

<table>
<thead>
<tr>
<th>Time Interval</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>[0,3) hours</td>
<td>0%</td>
</tr>
<tr>
<td>[3,6) hours</td>
<td>78%</td>
</tr>
<tr>
<td>[6,8) hours</td>
<td>11%</td>
</tr>
<tr>
<td>[8,10) hours</td>
<td>11%</td>
</tr>
<tr>
<td>[10,12) hours</td>
<td>0%</td>
</tr>
<tr>
<td>[12,∞) hours</td>
<td>0%</td>
</tr>
</tbody>
</table>

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
Antworten: 9
Durchschnitt: 1.6
Standardabweichung: 0.5

5.1.2 Could you understand your tutor's corrections and gradings?
Always – Never
Antworten: 7
Durchschnitt: 2.1
Standardabweichung: 1.0
5.1.3 Did the tutor manage to handle all the relevant content in the exercise class?

Always – Never

Antworten: 9
Durchschnitt: 1.8
Standardabweichung: 0.9

5.1.4 Would you recommend visiting this exercise class?

Yes – No

Antworten: 9
Durchschnitt: 1.6
Standardabweichung: 1.0

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) 33%
good (2) 44%
satisfactory (3) 0%
adequate (4) 22%
poor (5) 0%
very poor (6) 0%

7 Free Text Comments

7.1 Which aspects of the course did you like?
- good diagrams for most protocols
- useful illustrations
- point system with constant amount of tasks

Matthew ist zumindest motiviert und fachlich kompetent

it is very interesting

theory of different methods in mobile communication field

It was good

very clear slides

7.2 What could be improved?
- air/climate of seminar room was to bad

The exercise concept is not convincing.
I wish to know the deeper information about the GSM packets, its security, how to crack and how to defend it.

more examples in real life

**7.3 You can leave remarks and further feedback here.**

Thank you =)

generally very good lecture!
Mandatory course achievements

Successful participation in the Mobile Communication exercises will be accomplished by two parts:

1. Part: Successfully solving two practical assignment sheets:

A total of two practical assignment sheets will be issued, containing tasks of practical nature to apply programming and analysis skills in the topic area of mobile communication. The solutions need to be delivered in written form (including software) and will be personally presented in small teams of students*) to the lecture team. To get admitted to the exams, both practical assignment sheets need to be solved and presented in a satisfactory way.

*) the student team size for the practical exercises will be determined when the total number of participating students is known (i.e. during the first weeks of running the course).

2. Part: Successful participation in theoretical exercises:

A total of six (or seven) theoretical exercise sheets will be issued, supporting the understanding of the lecture topics. Each exercise sheet will contain three tasks. The students need to prepare and solve the tasks to be able to actively contribute to the discussion in the tutorial. Students will be called randomly to check if they prepared themselves in a satisfactory way.

Each student may skip a maximum of 50% of the total tasks; each skipped task is counted in the following way:

- If a student wants to prevent being randomly asked on one specific task, she/he needs to announce *one* “miss” in advance
- If a student is randomly called, but not able to contribute to one task, it will be counted as *two* “misses”
- If a student is not present in the tutorial of an exercise sheet, this will be counted as three “misses” (for three tasks)
- If a student is not present due to sick leave, counting three “misses” can (optionally) be avoided in presenting a medical certificate

The theoretical requirement is fulfilled if the student has no more than 50% to the total number of tasks.

Both parts 1. (practical) and 2. (theoretical) have to be fulfilled to get admitted to the exams.

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 | ≈ 30 |
| Number of students in the lecture at the end of the semester       | ≈ 10 |
| Number of students participating in the exercise classes at the beginning of the semester | 27 |
| Number of students participating in the exercise classes at the end of the semester | 12 |
| Number of students that have registered for the exam              | 15 |
2 Exercise classes

<table>
<thead>
<tr>
<th>Number of exercise classes</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average number of students per exercise class at the end of the semester</td>
<td>12</td>
</tr>
</tbody>
</table>

The students have been assigned to an exercise class in the following way:
Not applicable: There is only one exercise class.

used TVS to collect student data

3 Helpful stuff

There has been no test exam.
Sample solutions for exercise tasks have not been distributed.

4 Free text comments

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

Mobile Communication is well established, all worked as intended.

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

No changes forseen.

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

- two practical assignments: positive, these give some insight on practical work in following lab or master thesis
- need to prepare (and present) theoretical assignment sheets: positive, we had very good discussions during the tutorial sessions.

4.4 Further remarks

None.