Course evaluation report

Dear Mr. Prof. Dr. Urban,

enclosed you will find the results of the evaluation for your lecture "Numerical Finance" in the WS19/20.

If you have any questions regarding the evaluation please feel free to contact me at any time.

Best regards,

[Signature]

Contacts for subjects and departments
Advanced Materials: Dr. Maria-Verena Kohnle (maria-verena.kohnle@uni-ulm.de)
Biology: Gloria Gessinger (gloria.gessinger@uni-ulm.de)
Chemistry: Dr. Christian Vogl (christian.vogl@uni-ulm.de)
Chemical Engineering: Dr. Maria-Verena Kohnle (maria-verena.kohnle@uni-ulm.de)
Computational Science and Engineering: Beate Mayer (beate.mayer@uni-ulm.de)
Energy Science & Technology: Dr. Maria-Verena Kohnle (maria-verena.kohnle@uni-ulm.de)
Humboldt-Studienzentrum: Bettina Meyer-Quintus (bettina.meyer-quintus@uni-ulm.de)
Informatics: Nils Kusch, Justin Mücke (hsql.fin@uni-ulm.de)
Engineering: Dr.-Ing. Margarita Puentes-Damm (margarita.puentes-damm@uni-ulm.de)
Mathematics: Nadine Mathe (nadine.mathe@uni-ulm.de)
Physics: Béatrice Fritsche-Poizat (beatrice.fritsche-poizat@uni-ulm.de)
Psychology: Haike Medenblik (haike.medenblik@uni-ulm.de)
Language Center: Christian Timm (christian.timm@uni-ulm.de)
Economics: Canan Kaplan (canan.kaplan@uni-ulm.de)
Overall indicators

Organisation of the lecture

<table>
<thead>
<tr>
<th>Negative (−)</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>Positive (+)</th>
<th>av. = 5.1</th>
<th>dev. = 0.8</th>
</tr>
</thead>
</table>

Clearness of the Subject Matter

<table>
<thead>
<tr>
<th>Negative (−)</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>Positive (+)</th>
<th>av. = 4.8</th>
<th>dev. = 1.3</th>
</tr>
</thead>
</table>

Teaching Style of the Lecturer

<table>
<thead>
<tr>
<th>Negative (−)</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>Positive (+)</th>
<th>av. = 5.3</th>
<th>dev. = 0.8</th>
</tr>
</thead>
</table>

Increase of Knowledge

<table>
<thead>
<tr>
<th>Negative (−)</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>Positive (+)</th>
<th>av. = 5.2</th>
<th>dev. = 0.8</th>
</tr>
</thead>
</table>

Promotion of Interest

<table>
<thead>
<tr>
<th>Negative (−)</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>Positive (+)</th>
<th>av. = 5.4</th>
<th>dev. = 0.6</th>
</tr>
</thead>
</table>

Overall Assessment

<table>
<thead>
<tr>
<th>Negative (−)</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>Positive (+)</th>
<th>av. = 5.5</th>
<th>dev. = 0.5</th>
</tr>
</thead>
</table>

Survey Results

Legend

Question text

<table>
<thead>
<tr>
<th>Relative Frequencies of answers</th>
<th>Std. Dev.</th>
<th>Mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Left pole</td>
<td>5%</td>
<td>15%</td>
</tr>
</tbody>
</table>

Histogram

<table>
<thead>
<tr>
<th>Scale</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
</table>

Right pole

<table>
<thead>
<tr>
<th></th>
<th>n=No. of responses</th>
<th>av. = Mean</th>
<th>dev. = Std. Dev.</th>
<th>ab. = Abstention</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scale</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

Description of quality symbol

- Red: Mean value is below the quality guideline.
- Orange: Mean is within the range of tolerance for the quality guideline.
- Green: Mean value is within the quality guideline.

Preparation and follow-up

Why do you attend this course? (multiple choice is possible)

<table>
<thead>
<tr>
<th></th>
<th>0%</th>
<th>83.3%</th>
<th>0%</th>
<th>50%</th>
<th>0%</th>
<th>83.3%</th>
</tr>
</thead>
<tbody>
<tr>
<td>mandatory</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>interest</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>lecturer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>exam</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>test</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>relevant topic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Organisation of the lecture

### The course follows an easily comprehensible structure throughout the semester.

<table>
<thead>
<tr>
<th>Not at all</th>
<th>0%</th>
<th>0%</th>
<th>0%</th>
<th>33.3%</th>
<th>50%</th>
<th>16.7%</th>
<th>Fully true</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

*av.=4.8, dev.=0.8*

### The subject's structure (line of thought) is very easily comprehensible in every lesson of the course.

<table>
<thead>
<tr>
<th>Not at all</th>
<th>0%</th>
<th>0%</th>
<th>0%</th>
<th>50%</th>
<th>16.7%</th>
<th>33.3%</th>
<th>Fully true</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

*av.=4.8, dev.=1*

### The lecturer always gives helpful summaries and subject overviews.

<table>
<thead>
<tr>
<th>Not at all</th>
<th>0%</th>
<th>0%</th>
<th>0%</th>
<th>0%</th>
<th>50%</th>
<th>50%</th>
<th>Fully true</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

*n=6*, *av.=5.5, dev.=0.5*

### Teaching aids (e.g. board, audio-visual presentations, etc) always support the course in a meaningful way.

<table>
<thead>
<tr>
<th>Not at all</th>
<th>0%</th>
<th>0%</th>
<th>0%</th>
<th>16.7%</th>
<th>33.3%</th>
<th>50%</th>
<th>Fully true</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

*n=6*, *av.=5.3, dev.=0.8*

### The applied materials (e.g. slides, scripts) are very useful for understanding the content.

<table>
<thead>
<tr>
<th>Not at all</th>
<th>0%</th>
<th>0%</th>
<th>0%</th>
<th>16.7%</th>
<th>33.3%</th>
<th>50%</th>
<th>Fully true</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

*n=6*, *av.=5.3, dev.=0.8*

### The applied materials (e.g. slides, scripts) are always designed clearly.

<table>
<thead>
<tr>
<th>Not at all</th>
<th>0%</th>
<th>0%</th>
<th>0%</th>
<th>33.3%</th>
<th>33.3%</th>
<th>33.3%</th>
<th>Fully true</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

*n=6*, *av.=5, dev.=0.9*

## Course contents

### The speed of teaching is always adequate.

<table>
<thead>
<tr>
<th>Not at all</th>
<th>0%</th>
<th>0%</th>
<th>16.7%</th>
<th>16.7%</th>
<th>33.3%</th>
<th>33.3%</th>
<th>Fully true</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

*n=6*, *av.=4.8, dev.=1.2*

### The subject matter is not too difficult.

<table>
<thead>
<tr>
<th>Not at all</th>
<th>16.7%</th>
<th>0%</th>
<th>0%</th>
<th>16.7%</th>
<th>16.7%</th>
<th>33.3%</th>
<th>Fully true</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

*n=6*, *av.=4.2, dev.=1.9*

### I had enough background knowledge to understand the contents well.

<table>
<thead>
<tr>
<th>Not at all</th>
<th>16.7%</th>
<th>0%</th>
<th>0%</th>
<th>33.3%</th>
<th>16.7%</th>
<th>33.3%</th>
<th>Fully true</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

*n=6*, *av.=4.3, dev.=1.9*

### The course contents are adequately illustrated by reference to practice/application.

<table>
<thead>
<tr>
<th>Not at all</th>
<th>0%</th>
<th>0%</th>
<th>16.7%</th>
<th>0%</th>
<th>0%</th>
<th>33.3%</th>
<th>50%</th>
<th>Fully true</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

*n=5*, *av.=5.2, dev.=1.2*

### The subject is very well illustrated by experiments or the description of experiments.

The evaluation will not be displayed due to low response rate.

### The subject is very well illustrated by examples.

<table>
<thead>
<tr>
<th>Not at all</th>
<th>0%</th>
<th>0%</th>
<th>0%</th>
<th>66.7%</th>
<th>33.3%</th>
<th>Fully true</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

*n=6*, *av.=5.3, dev.=0.5*
The lecturer’s teaching style

The lecturer often establishes relations between the contents.

Not at all true

Fully true

n=6
av.=5,7
dev.=0,5

Difficult facts are always explained clearly.

Not at all true

Fully true

n=6
av.=5
dev.=0,9

The lecturer uses a varied teaching approach (in the course).

Not at all true

Fully true

n=6
av.=4,5
dev.=1,5

I find the lecturer always presents the course in an interesting way.

The evaluation will not be displayed due to low response rate.

The lecturer always manages to keep up contact (e.g. eye contact) with the audience.

Not at all true

Fully true

n=6
av.=5,8
dev.=0,4

The lecturer always encourages active participation (e.g. asking questions, discussion).

Not at all true

Fully true

n=6
av.=5
dev.=0,9

The general climate of the course is very pleasant.

Not at all true

Fully true

n=6
av.=5,5
dev.=0,5

The lecturer always deals adequately with interruptions (e.g. noise or disturbance by participants or technical problems).

The evaluation will not be displayed due to low response rate.

Your knowledge

My state of knowledge has considerably grown since the course.

Not at all true

Fully true

n=6
av.=5
dev.=0

Now I have a considerably deeper knowledge than before the course.

Not at all true

Fully true

n=6
av.=5
dev.=0

I’ve understood the most important content very well.

Not at all true

Fully true

n=6
av.=4,8
dev.=1

Due to this course I am capable of giving a good overview about the covered topic.

Not at all true

Fully true

n=6
av.=4,5
dev.=1,5

Due to this course I am capable of clearly describing the complex facts covered.

Not at all true

Fully true

n=6
av.=4,5
dev.=1,5
Overall course assessment

I learn things in this course which inspire me.

The course stimulates my interest in the subject material.

The course stimulates my interest in the studies.

I would recommend this course.

All in all the course is very good.

Course preparation and recapitulation were adequately supported by Lecture Capture.

Course preparation and recapitulation were adequately supported by E-Learning activities (e.g. Moodle).

What semester are you in?

- 1-2: 66.7%
- 3-4: 33.3%
- 5-6: 0%
- 7-8: 0%
- 9-10: 0%
- >10: 0%

Degree

- Bachelor: 0%
- Master: 100%
- Diplom: 0%
- State examination: 0%

Do you study for a teaching profession?

- Yes: 0%
- No: 100%
Profile

Subunit: Mathematik
Name of the instructor: Prof. Dr. Karsten Urban
Name of the course: Numerical Finance (MATH5030.010)

Comparative line: Vorlesung (englisch), Mathematik, WS18/19+SS19 [AVen5].

Organisation of the lecture

The course follows an easily comprehensible structure throughout the semester. Not at all true Fully true n=6 av.=4,8 md=5,0 dev=0,8 n=13 av.=4,7 md=4,8 dev=0,7

The subject’s structure (line of thought) is very easily comprehensible in every lesson of the course. Not at all true Fully true n=6 av.=4,8 md=4,5 dev=0,9 n=13 av.=4,5 md=4,5 dev=0,9

The lecturer always gives helpful summaries and subject overviews. Not at all true Fully true n=6 av.=5,5 md=5,5 dev=0,5 n=13 av.=4,6 md=4,7 dev=0,9

Teaching aids (e.g. board, audio-visual presentations, etc) always support the course in a meaningful way. Not at all true Fully true n=6 av.=5,3 md=5,5 dev=0,8 n=13 av.=4,6 md=4,6 dev=0,9

The applied materials (e.g. slides, scripts) are very useful for understanding the content. Not at all true Fully true n=6 av.=5,0 md=5,0 dev=0,9 n=13 av.=4,5 md=4,6 dev=0,9

The applied materials (e.g. slides, scripts) are always designed clearly. Not at all true Fully true n=6 av.=5,0 md=5,5 dev=0,8 n=13 av.=4,6 md=4,6 dev=0,9

Course contents

The speed of teaching is always adequate. Not at all true Fully true n=6 av.=4,8 md=5,0 dev=1,2 n=13 av.=4,6 md=4,8 dev=1,1

The subject matter is not too difficult. Not at all true Fully true n=6 av.=4,2 md=4,5 dev=1,9 n=13 av.=4,2 md=4,5 dev=1,9

I had enough background knowledge to understand the contents well. Not at all true Fully true n=6 av.=4,3 md=4,5 dev=1,9 n=13 av.=4,2 md=4,5 dev=1,9

The course contents are adequately illustrated by reference to practice/application. Not at all true Fully true n=6 av.=4,3 md=4,5 dev=1,9 n=13 av.=4,2 md=4,5 dev=1,9

The subject is very well illustrated by experiments or the description of experiments. (*) Not at all true Fully true n=13 av.=3,7 md=3,8 dev=1,0

The subject is very well illustrated by examples. Not at all true Fully true n=6 av.=5,3 md=5,0 dev=0,5 n=13 av.=4,3 md=4,7 dev=1,1

The lecturer’s teaching style

The lecturer often establishes relations between the contents. Not at all true Fully true n=6 av.=5,7 md=6,0 dev=0,5 n=13 av.=4,7 md=4,8 dev=0,9

Difficult facts are always explained clearly. Not at all true Fully true n=6 av.=5,0 md=5,0 dev=0,9 n=13 av.=4,5 md=4,6 dev=1,0

The lecturer uses a varied teaching approach (in the course). Not at all true Fully true n=6 av.=4,5 md=4,5 dev=1,5 n=13 av.=4,1 md=4,2 dev=1,1

I find the lecturer always presents the course in an interesting way. (*) Not at all true Fully true n=13 av.=4,6 md=4,7 dev=1,0

The lecturer always manages to keep up contact (e.g. eye contact) with the audience. Not at all true Fully true n=6 av.=5,8 md=6,0 dev=0,4 n=13 av.=5,1 md=5,2 dev=0,8

The lecturer always encourages active participation (e.g. asking questions, discussion). Not at all true Fully true n=6 av.=5,0 md=5,0 dev=0,9 n=13 av.=4,8 md=4,9 dev=0,9
The general climate of the course is very pleasant. Not at all true | Fully true
---|---
Not at all true | Fully true
n=6  av.=5,5  md=5,5  dev=0,5
n=13  av.=5,1  md=5,2  dev=0,7

The lecturer always deals adequately with interruptions (e.g. noise or disturbance by participants or technical problems). (*) Not at all true | Fully true
---|---
Not at all true | Fully true
n=13  av.=5,3  md=5,3  dev=0,7

Your knowledge

My state of knowledge has considerably grown since the course. Not at all true | Fully true
---|---
Not at all true | Fully true
n=6  av.=6,0  md=6,0  dev=0,0
n=13  av.=4,7  md=4,8  dev=1,0

Now I have a considerably deeper knowledge than before the course. Not at all true | Fully true
---|---
Not at all true | Fully true
n=6  av.=6,0  md=6,0  dev=0,0
n=13  av.=4,6  md=4,7  dev=1,0

I've understood the most important content very well. Not at all true | Fully true
---|---
Not at all true | Fully true
n=6  av.=4,8  md=4,5  dev=1,0
n=13  av.=4,4  md=4,4  dev=1,0

Due to this course I am capable of giving a good overview about the covered topic. Not at all true | Fully true
---|---
Not at all true | Fully true
n=6  av.=4,5  md=4,5  dev=1,0
n=13  av.=4,3  md=4,4  dev=1,0

Due to this course I am capable of clearly describing the complex facts covered. Not at all true | Fully true
---|---
Not at all true | Fully true
n=6  av.=4,5  md=4,5  dev=1,0
n=13  av.=4,1  md=4,0  dev=1,0

Overall course assessment

I learn things in this course which inspire me. Not at all true | Fully true
---|---
Not at all true | Fully true
n=6  av.=5,2  md=5,0  dev=0,8
n=13  av.=4,5  md=4,5  dev=1,0

The course stimulates my interest in the subject material. Not at all true | Fully true
---|---
Not at all true | Fully true
n=6  av.=5,3  md=5,0  dev=0,5
n=13  av.=4,6  md=4,9  dev=1,0

The course stimulates my interest in the studies Not at all true | Fully true
---|---
Not at all true | Fully true
n=6  av.=5,5  md=5,5  dev=0,5
n=13  av.=4,6  md=4,8  dev=1,0

I would recommend this course. Not at all true | Fully true
---|---
Not at all true | Fully true
n=6  av.=5,5  md=5,5  dev=0,5
n=13  av.=4,7  md=4,8  dev=1,0

All in all the course is very good. Not at all true | Fully true
---|---
Not at all true | Fully true
n=6  av.=5,5  md=5,5  dev=0,5
n=13  av.=4,8  md=4,9  dev=0,9

Course preparation and recapitulation were adequately supported by Lecture Capture. (*) Not at all true | Fully true
---|---
Not at all true | Fully true
n=13  av.=4,3  md=4,5  dev=1,2

Course preparation and recapitulation were adequately supported by E-Learning activities (e.g. Moodle). Not at all true | Fully true
---|---
Not at all true | Fully true
n=6  av.=4,8  md=5,0  dev=1,5
n=13  av.=4,8  md=5,0  dev=1,0

(*) Note: If the number of responses to a question is too low the evaluation will not be displayed in the profile line.
What do you particularly like in the course?

- For a person with no prior knowledge of quantitative finance, the course is full of new materials and things to learn.
- It is very useful since it is application-oriented

What could be improved? (If any, name suggestions for improvement)

- Include more of the Programming results in the script
- The course is absolutely not adapted for people with barely any background in maths

Is the subject matter of this lecture also taught in other courses, unnecessarily? If yes, please name the courses and redundant subject matter.

- Yes, some topics are similar to ones in Financial Mathematics
<table>
<thead>
<tr>
<th>Category</th>
<th>negative (-)</th>
<th>positive (+)</th>
<th>Ø</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organisation of the lecture</td>
<td></td>
<td></td>
<td>5.1</td>
</tr>
<tr>
<td>Clearness of the Subject Matter</td>
<td></td>
<td></td>
<td>4.8</td>
</tr>
<tr>
<td>Teaching Style of the Lecturer</td>
<td></td>
<td></td>
<td>5.3</td>
</tr>
<tr>
<td>Increase of Knowledge</td>
<td></td>
<td></td>
<td>5.2</td>
</tr>
<tr>
<td>Promotion of Interest</td>
<td></td>
<td></td>
<td>5.4</td>
</tr>
<tr>
<td>Overall Assessment</td>
<td></td>
<td></td>
<td>5.5</td>
</tr>
</tbody>
</table>

Scale width: 6