

Prof. Dr. Oscar Marius Nierstrasz (PERSÖNLICH)

Institut für Informatik und angewandte Mathematik  
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3012 Bern

## Auswertungsbericht Lehrveranstaltungsevaluation an die Lehrenden

Sehr geehrter Herr Prof. Dr. Nierstrasz

Sie erhalten hier die automatisierte Auswertung der Evaluation zur Veranstaltung Concurrency: State Models and Design Patterns (KSL 413707).

Fragebogen Typ VORLeV4. Es gilt Folgendes: Zuerst werden unter dem Titel Globalwerte die Mittelwerte der folgenden Skalen aufgeführt.

- **Planning and Presentation**
- **Manners with Students**
- **Interest and Relevance**
- **Complexity and Scope**
- **Overall Assessment**
- **8 Assessment of Individual Lectures**

Im zweiten Teil des Auswertungsberichts werden die Ergebnisse zu den einzelnen Fragen und allenfalls Mittelwerte dazu aufgelistet.

Der Wert 1 kennzeichnet aus Sicht der Studierenden eine minimale Veranstaltungsgüte, der Wert 4 oder mehr eine maximale Veranstaltungsgüte. Bei invertierten Fragen sind die Werte für die Veranstaltungsgüte gerade umgekehrt.

Bei der Skala 'Schwierigkeit und Umfang' in den Standardfragebögen bezeichnet der Wert 3 (genau richtig) die optimale Veranstaltungsgüte.

Wir hoffen, dass Ihnen der Bericht von Nutzen ist. Bitte besprechen Sie das Ergebnis vor Semesterende kurz mit Ihren Studierenden.

Gerne besprechen die Mitarbeitenden der Gruppe Hochschuldidaktik (Kontakt: [hd@zuw.unibe.ch](mailto:hd@zuw.unibe.ch)) mit Ihnen Ihre Evaluationsergebnisse. Bringen Sie die ausgedruckten Berichte bitte zum Gespräch mit, da diese für die Hochschuldidaktik nicht zugänglich sind.

Falls Sie Verständnisfragen betreffend den Richtlinien und Abläufen haben, finden Sie Antworten unter [www.qualitaet.unibe.ch/content/qualitaetssicherung\\_und\\_entwicklung\\_qse/lehre/evaluation\\_lehrveranstaltungen/index\\_ger.html](http://www.qualitaet.unibe.ch/content/qualitaetssicherung_und_entwicklung_qse/lehre/evaluation_lehrveranstaltungen/index_ger.html).

Sie können uns auch per Mail kontaktieren, sollten Sie weitere Auskünfte benötigen.

Mit freundlichen Grüßen  
Daniela Wuillemin  
Vizektorat Qualität, Fachstelle Lehrevaluation

Globalwerte

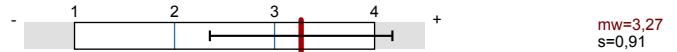
Planning and Presentation



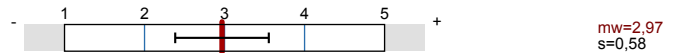
Manners with Students



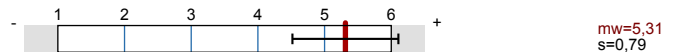
Interest and Relevance



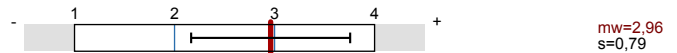
Complexity and Scope



Overall Assessment

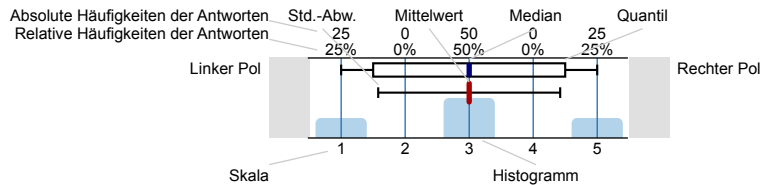


8 Assessment of Individual Lectures



Legende

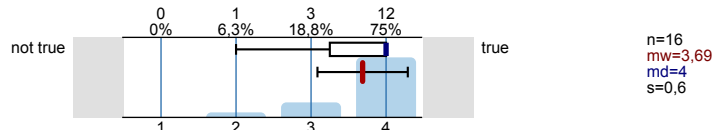
Frage-  
text



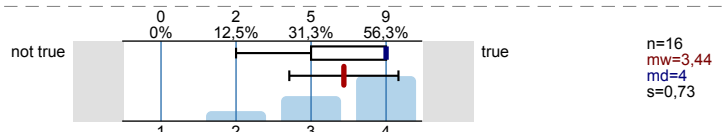
n=Anzahl  
mw=Mittelwert  
md=Median  
s=Std.-Abw.  
E.=Enthaltung

Planning and Presentation

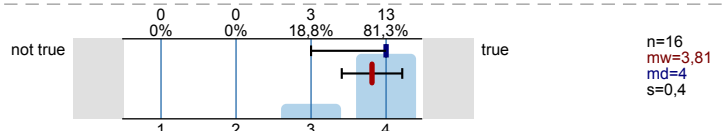
1 The course follows a coherent structure.



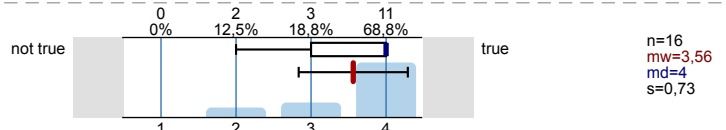
2 The wider context of the subject matter is sufficiently elucidated.



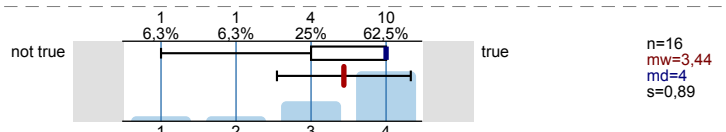
3 The lecturer expresses him-/herself clearly and comprehensibly.



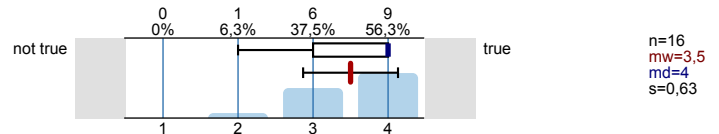
4 The course provides an adequate overview of the subject matter treated.



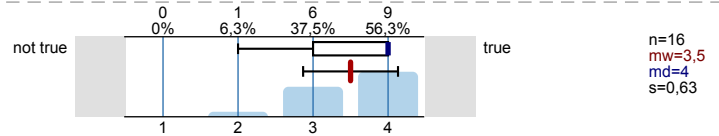
5 The design of the course contributes to an understanding of the subject matter.



6 There is overall enough material provided to assist the learning process (slides, course material, hand-outs, etc.).

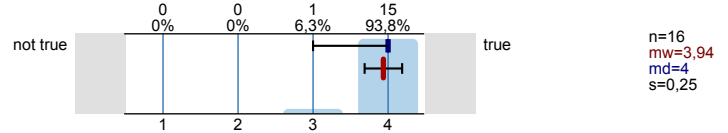


7 The course materials (slides, course manuals, hand-outs, etc.) are overall of sufficient quality.

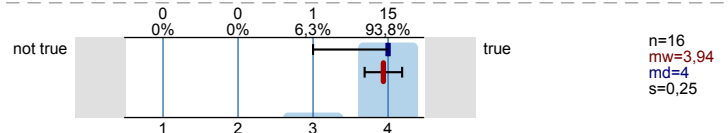


### Manners with Students

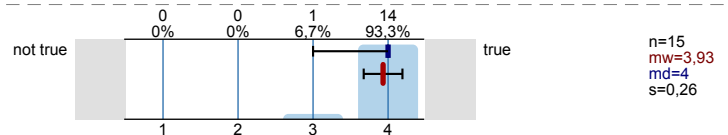
8 The lecturer takes students seriously.



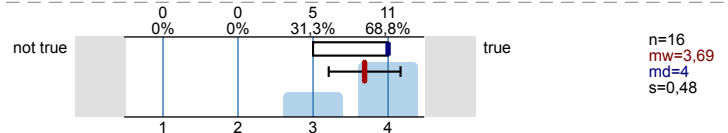
9 The lecturer is friendly and respectful towards students.



10 The lecturer addresses questions and suggestions from students adequately.

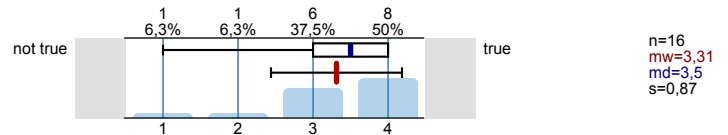


11 The lecturer seems to care about his/her students' progress.

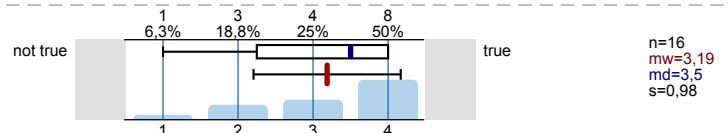


### Interest and Relevance

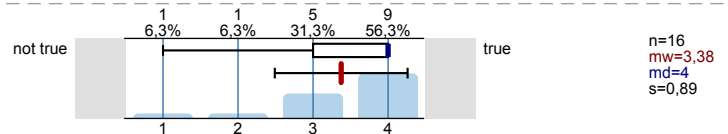
12 The lecturer succeeds in making the course interesting.



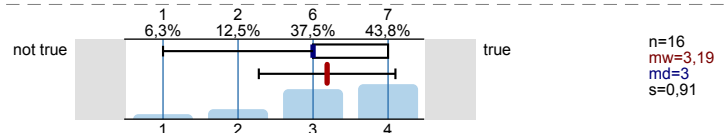
13 The course is probably very useful for my future professional life.



14 The applicability and relevance of the subject matter is sufficiently clarified by the lecturer.

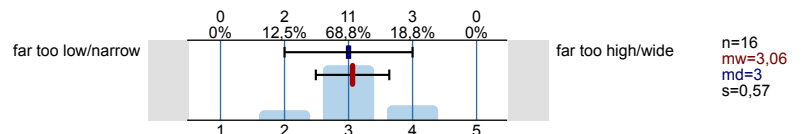


15 The lecturer fosters my interest in the subject.

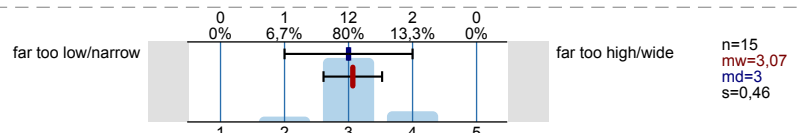


### Complexity and Scope

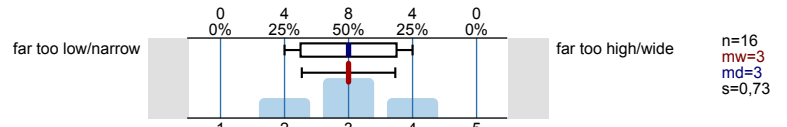
16 The degree of complexity of the course is:



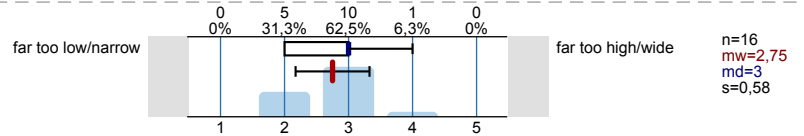
17 The scope of the course is:



18 The pace of the course is:

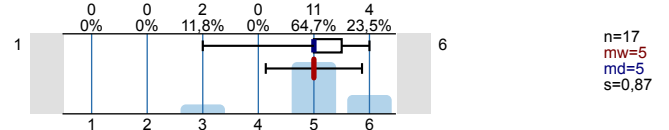


19 The amount of knowledge presupposed by the course is:

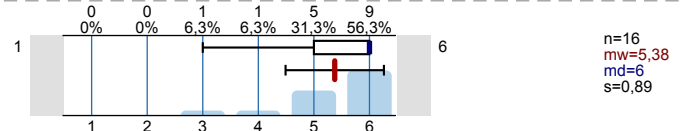


**Overall Assessment**

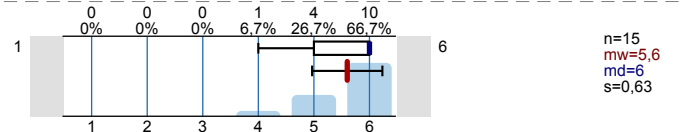
20 How would you grade the course as a whole?



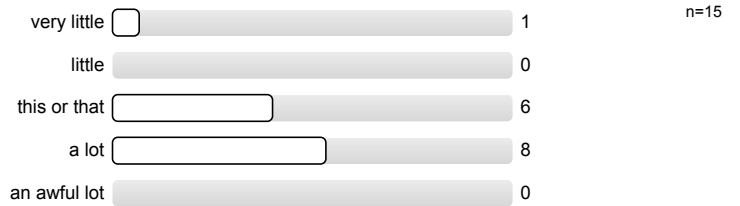
21 How would you grade the lecturer with regard to subject expertise?



22 How would you grade the lecturer with regard to teaching methods?

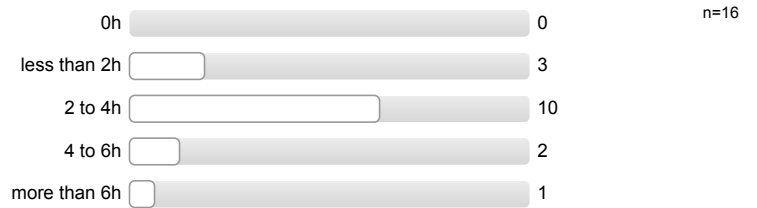


23 The course has taught me

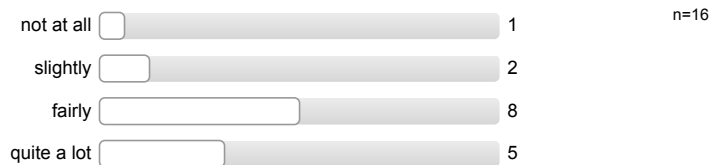


**Socio-demographic Data and Background Variables**

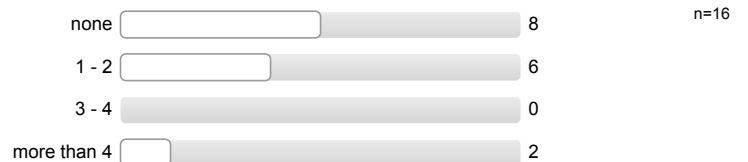
24 How many hours per week did you invest in preparation and revision for the course (on average)?



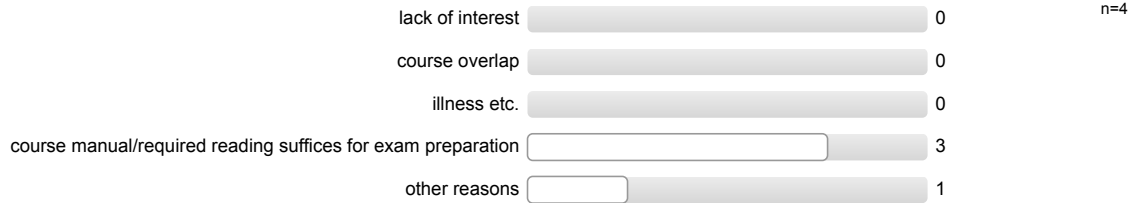
25 Was the topic of interest to you?



26 How many lectures did you miss?



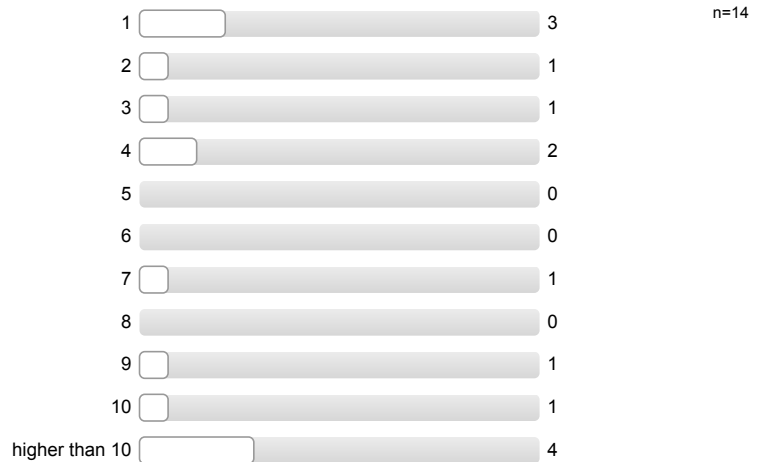
27 If you missed more than 2 lectures, please give one reason:



28 Allocation of the course in your study programme:?



29 Your current number of semesters?



30 Sex



### Open Questions

What did you like about the course?

Questions for each lecture.

The topic is very interesting and it was presented very well and encouraged to explore more/further into the topic. Examples that were provided (especially Git repo)

practical exercises (Lab)

The topic in general

The lecture was given in an interesting way. The exercises covered the scope of the lecture. The exercises were doable in a reasonable time.

good slides and examples

Lab sessions

Teacher was very good at ~~explaining~~ explaining lecture subjects.

It was quite practical and had a lot of examples

The lectures ~~and~~ and subject of the course

Teaching strategy, methods.

Labs, java parts

Lecturer is enthusiastic and clear.

A lot of examples

Lab sessions

The exercises seemed to be a good preparation for the exam

Generally very well structured and the many examples help understanding the theory.

The lab

What did you not like about the course?

~~Not enough examples~~  
~~Not very much about~~

The exam should not be in the middle of december because there are many other projects of lectures that have to be finished

- The exam should not be in the semester, because there are already enough deadlines at the end of the semester in other lectures.
- Using piazza was unnecessary. I would rather just have used ILIAS.

exercise questions sometimes a bit too open

Homework quality and correcting times

When correcting exercises assistants were too picky on some parts and not too much on others (exercises questions quite hard and imprecise).

I'd like to see some real life examples. (Understandable ones, not like the Google stuff.)

Lot of exercises, exam ~~at~~ immediately after end of semester

Usability of FPS was not clear until the end. Is there anyone in the industry using it? LTSA is a terrible tool, please find something better.

Not much focus on higher level concurrency abstractions.

The examples are sometimes somewhat confusing,  
The slides could be more self-explanatory (especially with the examples)

the whole course which is too abstract and give not a really good overview. Furthermore, having obligatory and graded exercises each week don't make the course more understandable, it puts more pressure. Of course,

Suggestions for improvements?

Move exam to January/February

more exercise discussions in the ex. hour after lecture

• Use ILIAS for grade reports, ~~and~~ forum and slides.

If I have to find one to revise slides for small errors  
(but not a big deal if you follow...)

Better show how to connect real world program with formalisms.  
Show applicability of formalisms.

There should have been more concrete examples of pass-throughs and lock-splitting in the lecture slides.

More recent concurrency stuff. E.g. map/reduce, parallel collections, async programming extensions in net, ...

More or better tutorials/explanations online for LTSA

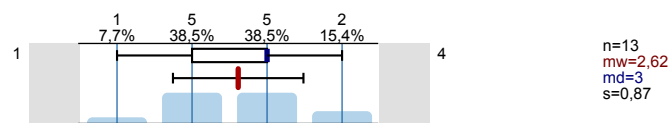
It would be nice to have some more ~~for~~ explanations on the slides (especially for examples: what does this example show, what are the issues with this code ...)



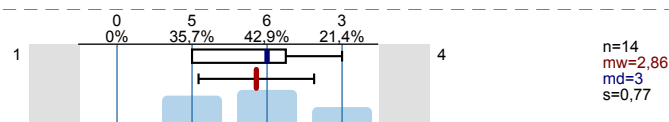
Give more concret example, which exists in real ~~life~~ world and make the exercises optional with the solutions given after one week.

## 8 Assessment of Individual Lectures

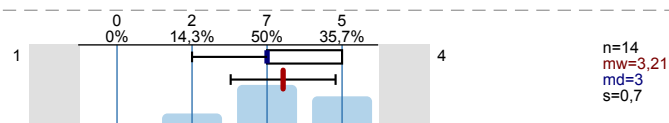
### 8.1 Introduction



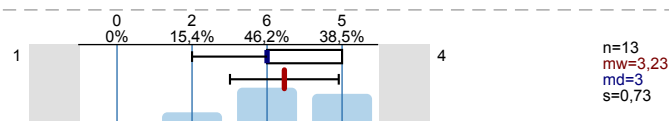
### 8.2 Java and Concurrency



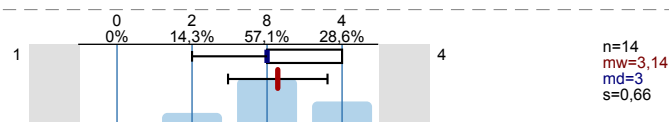
### 8.3 Safety and Synchronization



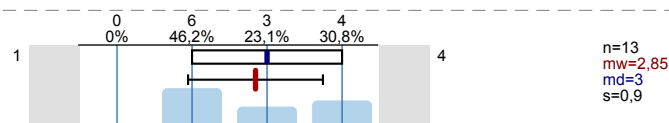
### 8.4 Safety Patterns + Transactional Memory



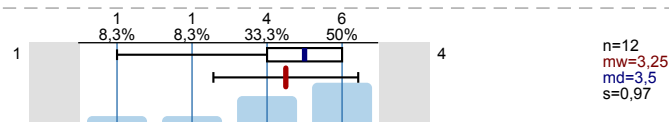
### 8.5 Liveness and Guarded Methods



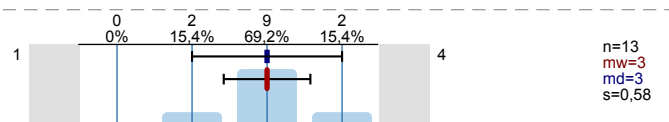
### 8.6 Lab session 1



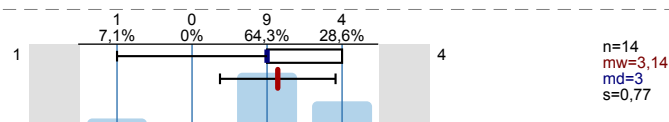
### 8.7 Liveness and Asynchrony



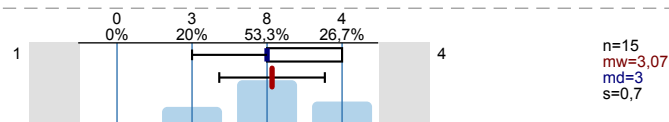
### 8.8 Condition Objects



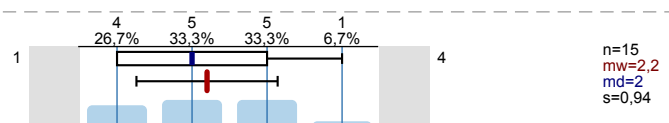
### 8.9 Fairness and Optimism



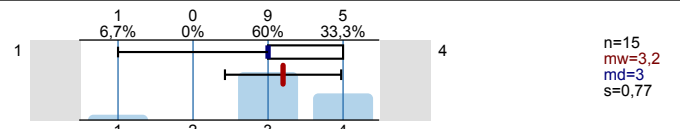
### 8.10 Lab session 2



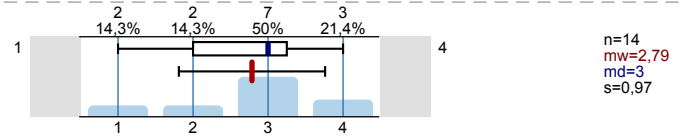
### 8.11 Parallelism: Hadoop and Scala (invited lectures)



## 8.12 Petri Nets



## 8.13 Architectural Styles for Concurrency

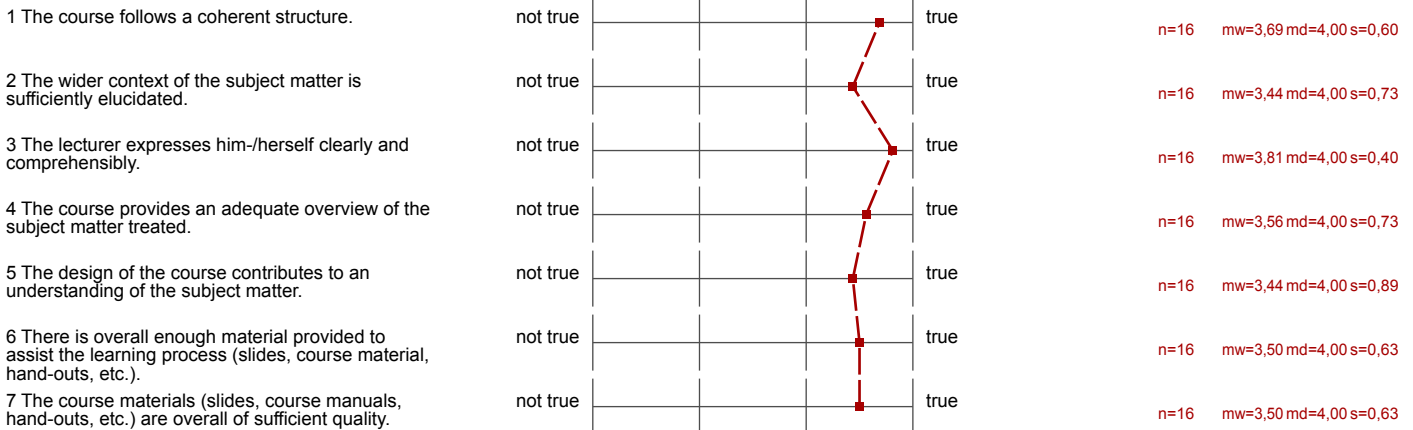


# Profillinie

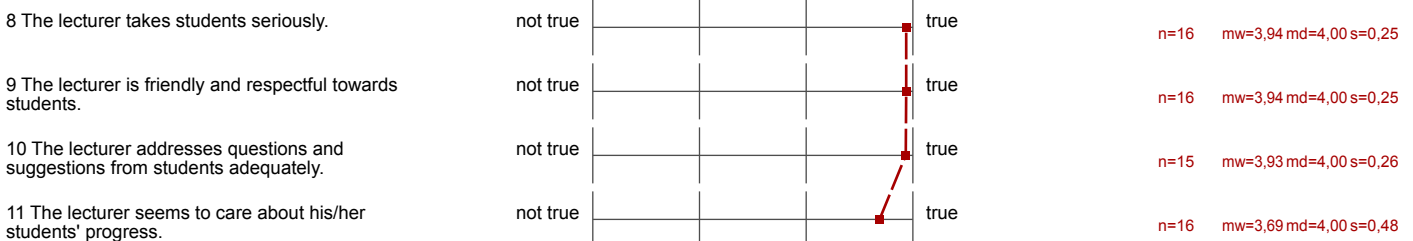
Teilbereich: Phil.-nat. Fakultät  
 Name der/des Lehrenden: Prof. Dr. Oscar Marius Nierstrasz  
 Titel der Lehrveranstaltung: Concurrency: State Models and Design Patterns  
 (Name der Umfrage)

Verwendete Werte in der Profillinie: Mittelwert

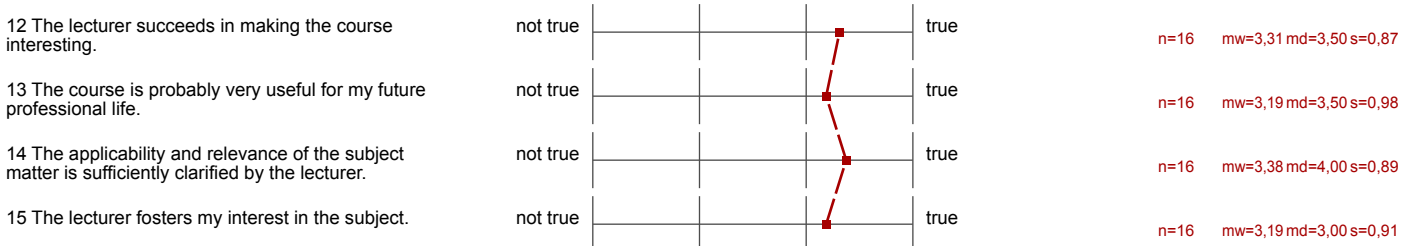
## Planning and Presentation



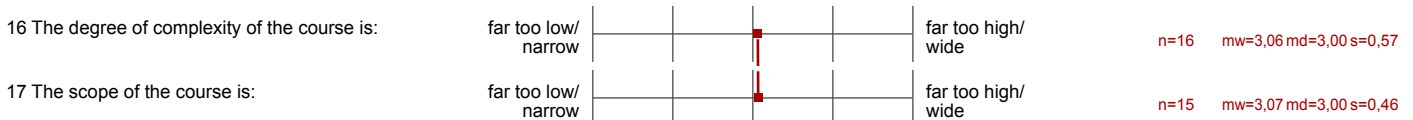
## Manners with Students



## Interest and Relevance



## Complexity and Scope



18 The pace of the course is:		n=16 mw=3,00 md=3,00 s=0,73
19 The amount of knowledge presupposed by the course is:		n=16 mw=2,75 md=3,00 s=0,58

## Overall Assessment

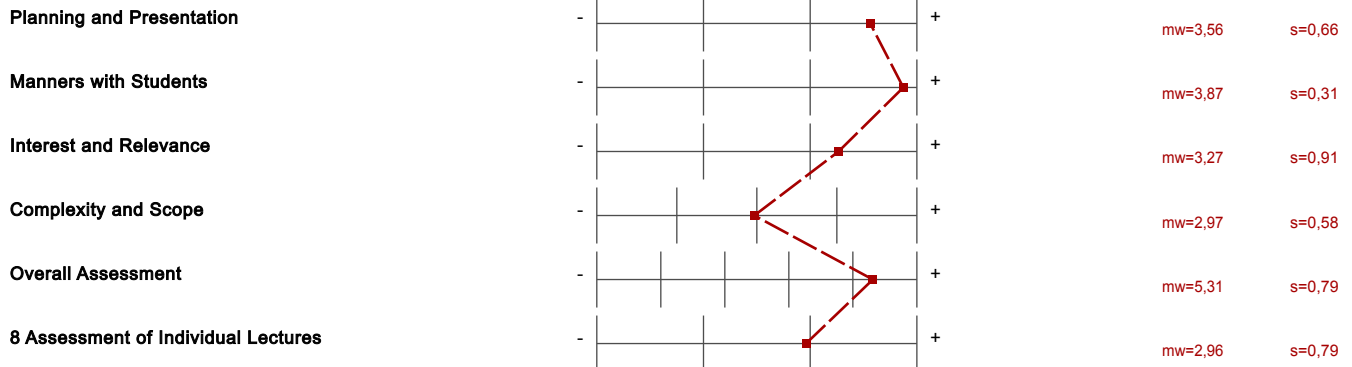
20 How would you grade the course as a whole?		n=17 mw=5,00 md=5,00 s=0,87
21 How would you grade the lecturer with regard to subject expertise?		n=16 mw=5,38 md=6,00 s=0,89
22 How would you grade the lecturer with regard to teaching methods?		n=15 mw=5,60 md=6,00 s=0,63

## 8 Assessment of Individual Lectures

8.1 Introduction		n=13 mw=2,62 md=3,00 s=0,87
8.2 Java and Concurrency		n=14 mw=2,86 md=3,00 s=0,77
8.3 Safety and Synchronization		n=14 mw=3,21 md=3,00 s=0,70
8.4 Safety Patterns + Transactional Memory		n=13 mw=3,23 md=3,00 s=0,73
8.5 Liveness and Guarded Methods		n=14 mw=3,14 md=3,00 s=0,66
8.6 Lab session 1		n=13 mw=2,85 md=3,00 s=0,90
8.7 Liveness and Asynchrony		n=12 mw=3,25 md=3,50 s=0,97
8.8 Condition Objects		n=13 mw=3,00 md=3,00 s=0,58
8.9 Fairness and Optimism		n=14 mw=3,14 md=3,00 s=0,77
8.10 Lab session 2		n=15 mw=3,07 md=3,00 s=0,70
8.11 Parallelism: Hadoop and Scala (invited lectures)		n=15 mw=2,20 md=2,00 s=0,94
8.12 Petri Nets		n=15 mw=3,20 md=3,00 s=0,77
8.13 Architectural Styles for Concurrency		n=14 mw=2,79 md=3,00 s=0,97

# Profillinie

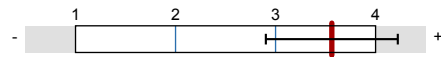
Teilbereich: Phil.-nat. Fakultät  
Name der/des Lehrenden: Prof. Dr. Oscar Marius Nierstrasz  
Titel der Lehrveranstaltung: Concurrency: State Models and Design Patterns  
(Name der Umfrage)



# Präsentationsvorlage

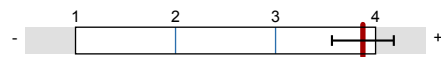
Concurrency: State Models and Design Patterns  
Prof. Dr. Oscar Marius Nierstrasz  
Erfasste Fragebögen = 17

## Planning and Presentation



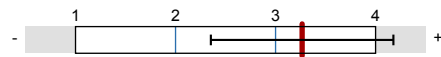
mw=3,56

## Manners with Students



mw=3,87

## Interest and Relevance



mw=3,27

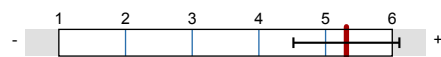
The mark 3" means "exactly right"."

## Complexity and Scope



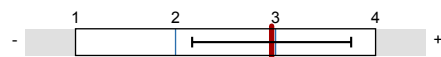
mw=2,97

## Overall Assessment



mw=5,31

## 8 Assessment of Individual Lectures



mw=2,96