



^b
**UNIVERSITÄT
BERN**

Vizerektorat Qualität, Fachstelle Lehrevaluation, Hochschulstrasse 6, 3012 Bern

Persönlich/Vertraulich
Mr.
Prof. Dr. Oscar Marius Nierstrasz
Institut für Informatik und angewandte Mathematik
Neubrückstr. 10
3012 Bern

Vizerektorat Qualität
Fachstelle Lehrevaluation

Auswertungsbericht Lehrveranstaltungsevaluation an die Lehrenden

Sehr geehrter Herr Prof. Dr. Nierstrasz

Sie erhalten hier die automatisierte Auswertung der Evaluation zur Veranstaltung Introduction to Software Engineering (KSL 2420).

Fragebogen Typ VORLeV5. Es gilt Folgendes: Zuerst werden unter dem Titel Globalwerte die Mittelwerte der folgenden Skalen aufgeführt.

Planning and Presentation (Skalenbreite: 4)
Manners with Students (Skalenbreite: 4)
Interest and Relevance (Skalenbreite: 4)
Complexity and Scope (Skalenbreite: 5)
Overall Assessment (Skalenbreite: 6)
Planning and Presentation (Skalenbreite: 4)
Manners with Students (Skalenbreite: 4)
Interest and Relevance (Skalenbreite: 4)
Complexity and Scope (Skalenbreite: 5)
Overall Assessment (Skalenbreite: 6)

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) 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/in dex_ger.html.

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

Mit freundlichen Grüßen
Daniela Wuillemin
Vizerektorat Qualität, Fachstelle Lehrevaluation

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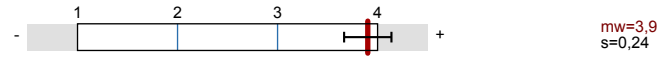
Tel. +41 31 631 51 07
daniela.wuillemin@qualitaet.unibe.ch
www.lehrveranstaltungsevaluation.unibe.ch

Globalwerte

Planning and Presentation (Skalenbreite: 4) ($\alpha = 0.56$)



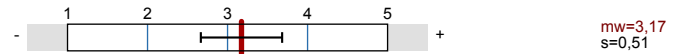
Manners with Students (Skalenbreite: 4) ($\alpha = 0.49$)



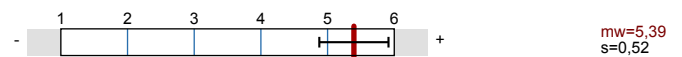
Interest and Relevance (Skalenbreite: 4) ($\alpha = 0.73$)



Complexity and Scope (Skalenbreite: 5) ($\alpha = 0.65$)



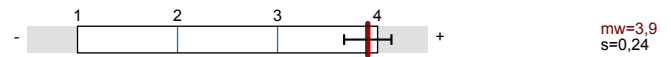
Overall Assessment (Skalenbreite: 6) ($\alpha = 0.46$)



Planning and Presentation (Skalenbreite: 4) ($\alpha = 0.56$)



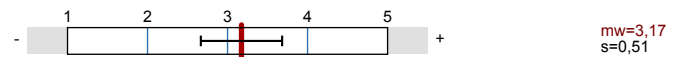
Manners with Students (Skalenbreite: 4) ($\alpha = 0.49$)



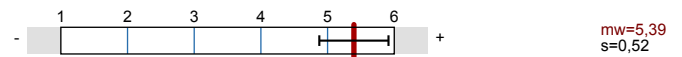
Interest and Relevance (Skalenbreite: 4) ($\alpha = 0.73$)



Complexity and Scope (Skalenbreite: 5) ($\alpha = 0.65$)

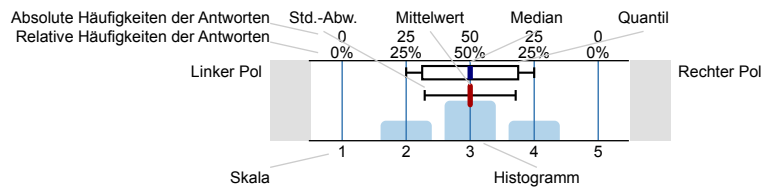


Overall Assessment (Skalenbreite: 6) ($\alpha = 0.46$)



Legende

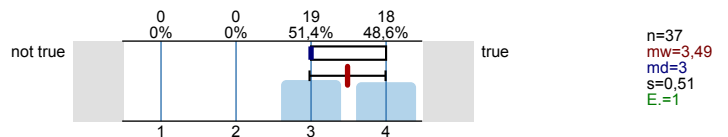
Frage text



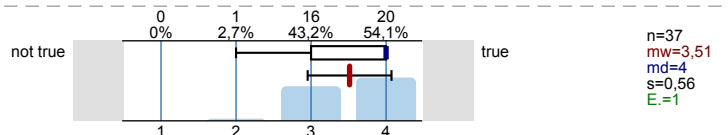
n=Anzahl
mw=Mittelwert
md=Median
s=Std.-Abw.
E.=Enthaltung

Planning and Presentation

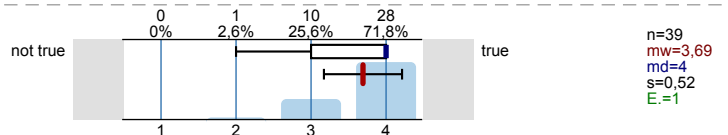
1 The course follows a coherent structure.



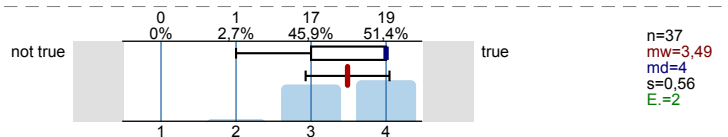
2 The wider context of the subject matter is sufficiently elucidated.



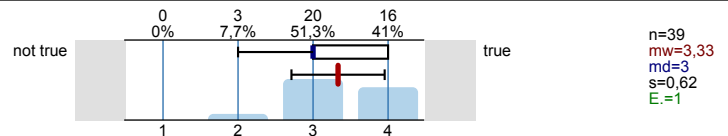
3 The lecturer expresses him-/herself clearly and comprehensibly.



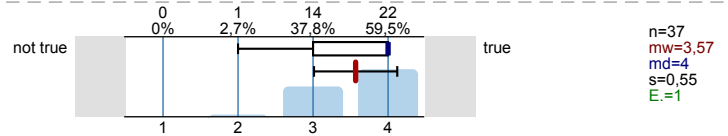
4 The course provides an adequate overview of the subject matter treated.



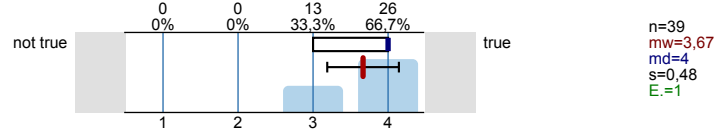
5 The design of the course contributes to an understanding of the subject matter.



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

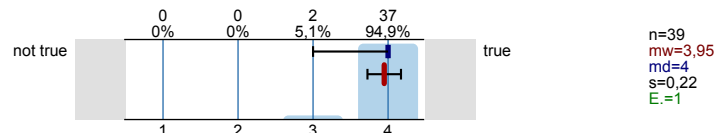


7 The course materials (slides, course manuals, hand-outs, etc.) are overall of sufficient quality.

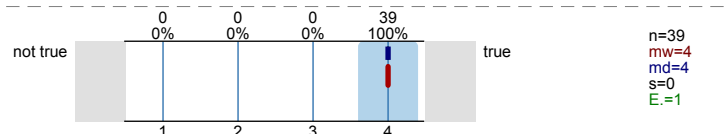


Manners with Students

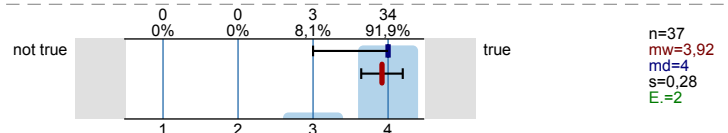
8 The lecturer takes students seriously.



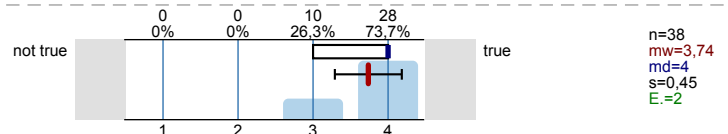
9 The lecturer is friendly and respectful towards students.



10 The lecturer addresses questions and suggestions from students adequately.

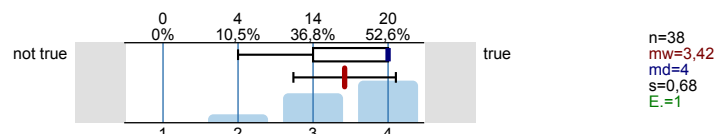


11 The lecturer seems to care about his/her students' progress.

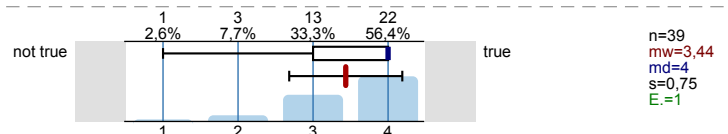


Interest and Relevance

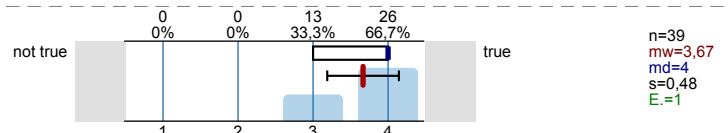
12 The lecturer succeeds in making the course interesting.



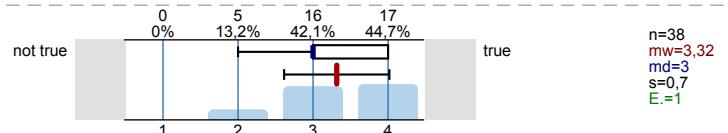
13 The course is probably very useful for my future professional life.



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

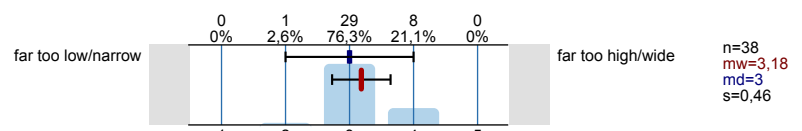


15 The lecturer fosters my interest in the subject.

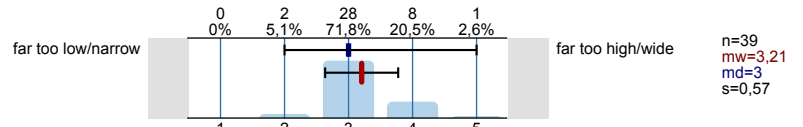


Complexity and Scope

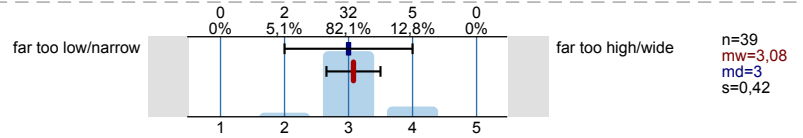
16 The degree of complexity of the course is:



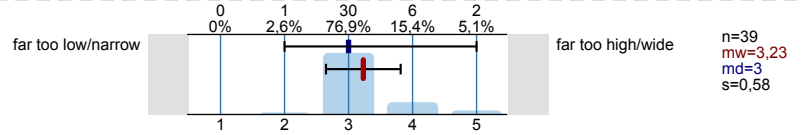
17 The scope of the course is:



18 The pace of the course is:

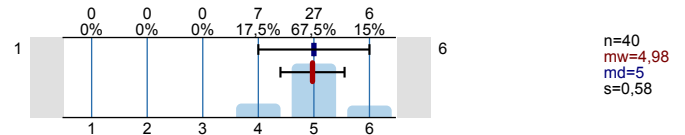


19 The amount of knowledge presupposed by the course is:

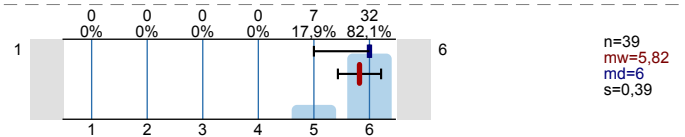


Overall Assessment

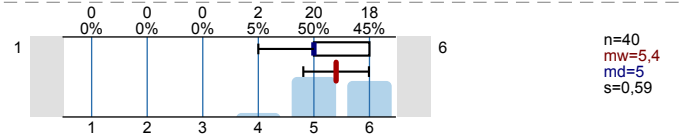
20 How would you grade the course as a whole?



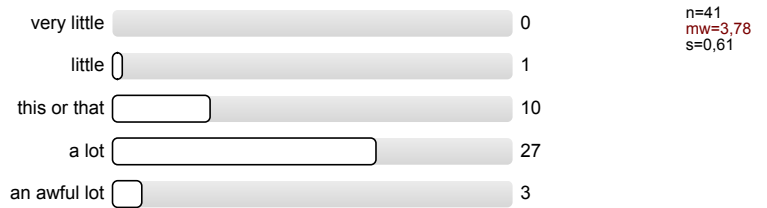
21 How would you grade the lecturer with regard to subject expertise?



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



23 The course has taught me

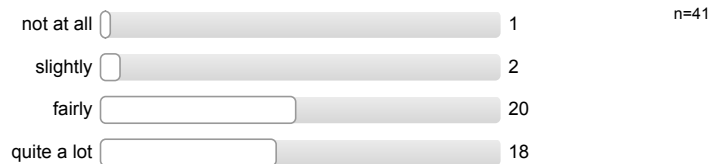


Socio-demographic Data and Background Variables

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



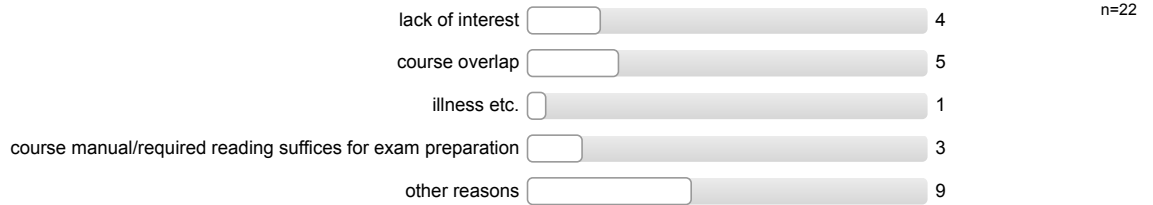
25 Was the topic of interest to you?



26 How many lectures did you miss?



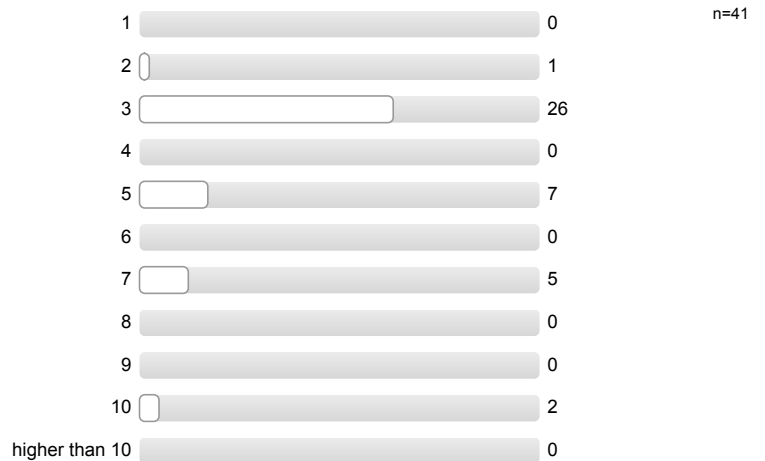
27 If you missed more than 2 lectures, please give one reason:



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?

Mr Neostroz has a very nice way of teaching, he can make the most boring stuff (e.g. UML) sound interesting

The practice project was a good exercise

Concrete examples that happened (eg software failure due to exception in a rocket)

~~That~~ Topic, Exercises (Project)

notes in the slides

The project was helpful and fun

The lecturer is motivated and so are his assistants (TA).

Some of the guest lecturers were actually really good.
(specially the first one)

Very interesting topic, good lecturer and very proficient and friendly teaching assistants Ph.D

Learned to collaborate and ~~work~~ program in a team

-Project

- lecturer/assistants, always possible to ask and they are very helpful

- the project

- interesting lecture

- the questions at the end of the slides

- hidden slides with explanations were very useful

the external lecturer ~~was~~ ~~gave~~ gave an interesting overview of the working life

Teaching style of main professor.

examples

The notes in the slides. Oscar Nierstasz is a very good professor.

Open Discussions

The project concerned a lot.

cool guest lectures

The subject is actually the reason why I'm going this university,

The project we did was very well organized and contributed to the learning process. Slides are great. Hidden Notes on Slides are very good.

The practical part

I liked the team project. & some of the guest lectures like "Software Testing"

Mr. Murrat is a great lecturer.

The exercise was very interesting and challenging

The completeness

The project

Prof. Niewiarski is a very engaging lecturer who seems fascinated by the subject matter, which made the lectures a pleasure to attend.

The project was good and some of the guest lectures were really interesting.

- ⊕ Guest lectures
- ⊕ Professor's Teaching method
- ⊕ Professor's shirt still well ironed!
- ⊕ great assistants

What did you not like about the course?

Some lectures conveyed way too much information with very little practical examples; I just couldn't picture all of the concepts in use

the CSS of the project was very confusing
(too many nested selectors)

Slides were a bit overloaded with information sometimes

The project didn't have that much to do with the courses (apart from the first ~~few~~ few).

Workload ~~very high~~

Some guest lectures were rather boring,
Some were very interesting

I think the course has not that much to do with the practical exercises and stays on a very theoretical level.

The practical project was overall good but, even though it is realistic, it's bad for the students that the code itself was badly written. When given a project the students should have the possibility to edit and design freely, not improve existing, bad code.

The lecture & the project is not directly related in sense that the lectures did not directly provide useful hints & standards which could be implemented right away to our project.

- the scope is huge
~~unstable~~

- guest lectures are not really interesting (except the one about testing.)
~~interesting~~

When not Mister Niestrasz or an external lecturer did hold the presentation, then the lecture was too monotonous and not presented with heart.

Project was a bad choice, partly because the terrible original codebase seems to oppose everything learned in PL and CS.

Some assistants and one lecturer talk that very comprehensibly

The lecture is not coherent with the exercise.

From time to time monotype lectures

Most guest lectures were not that good.
The 'Stellvertretung' of Prof. Nierstrasz was even worse.

~~Der Ersatzredner von Nierstrasz war ziemlich langweilig.~~
Die Vorlesungen sprachen mich gar nicht an

a bit more clear examples for UML (whole exercises & solutions)

Some Guest Lecturers were not that great and some of them made some sexist remarks.

The substitute lecturer was hard to understand, which hindered my learning effect.

The lecture and the exercise could have more interaction. (Besser Abstimmung)

Lectures are not interactive enough

- still haven't got grades for project

The project did not illustrate the contents of the lecture very well. Also the amount of reading into the frameworks to understand what you had to do was ridiculous. I could not bring myself to take it seriously.

The project did consume a lot of time and wasn't linked to the course content all the time (security wasn't a topic in the project)

- ⊖ Lectures by Mohammed were not enough interactive and too slow
- ⊖ Project done required too much pre-knowledge in web development. This I was learning like an entire course about it
- ⊖ Scrum method. could have been mentioned more into detail and used in project

Suggestions for improvements?

5 ECTS for this project AND exam?!? really? I spent a huge amount of time on this lecture, it's worth way more

do not use nested selectors in CSS
(except for "table tr" etc)

6 ECTS

Maybe some clearer structure, some lectures were overlapping and we heard the same info multiple times

Make it more about the programming skills. At the end of the course programming 2 we learned the design patterns but were never able to implement them (only a few) make it more

Make sure that the project we're given is atleast good, so that we can strive for more rather than fix existing, i.e. "Admin" listed as a Gender in an area

- present answers to the "what you should know" questions (for example, at the end of the semester)
- less guest lectures

Set up a web project without base project.

No TA lectures

A bit of it was the same as in P2.

Anderer Redner

Don't hand out the evaluation at the exam, I have other things in my mind

✓

No Idea

More thorough introduction to MVC, security etc. at the beginning, would help (and be appreciated)

More guidance during the project:
 Spend 2h to explain the basics: how to install softwares,
 how to organize in the team, etc.

-better explanation of project grading

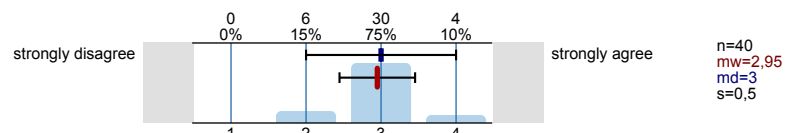
I would have liked it more if the project showed the development process rather than the tedious refactoring. The learning density would be much higher this way.

In the lectures concerning security and metrics it would be nice to see some concrete examples how to actually do it in Java (maybe in the project?)

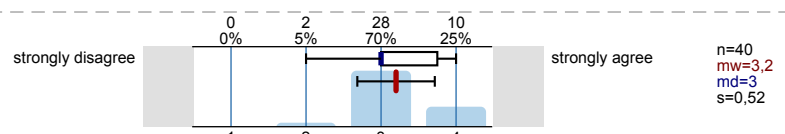
Project: give some introduction to web dev.

Assessment of Individual Lectures

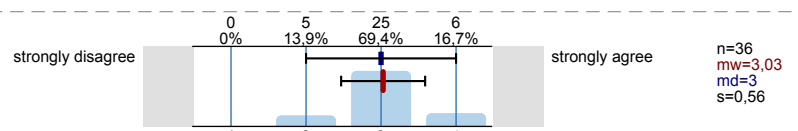
1. Introduction: The Software Lifecycle



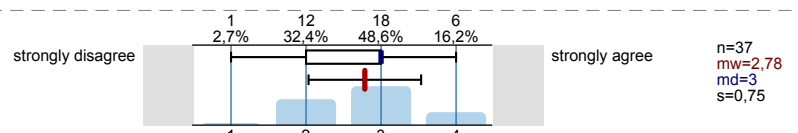
2. Requirements Collection



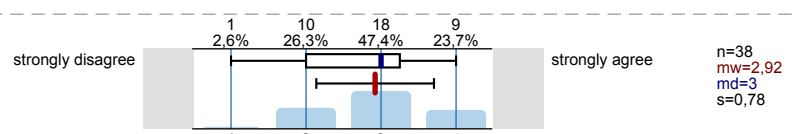
3. Responsibility-Driven Design



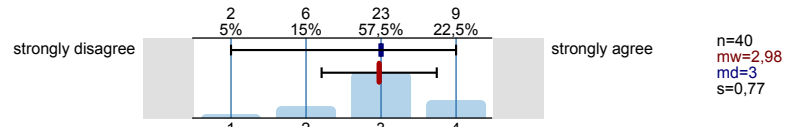
4. Agile Practices in Industry



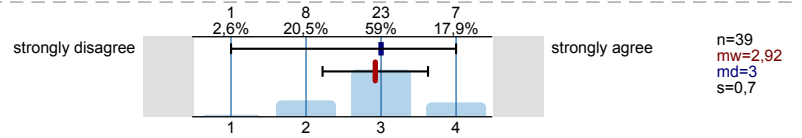
5. Modeling Objects and Classes



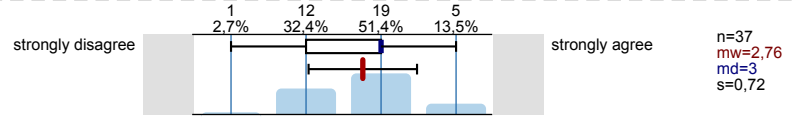
6. Modeling Behaviour



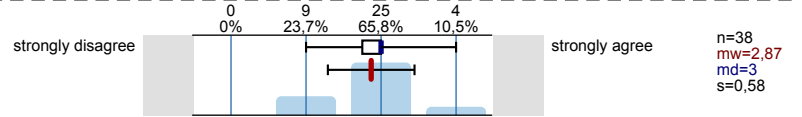
7. Software Testing



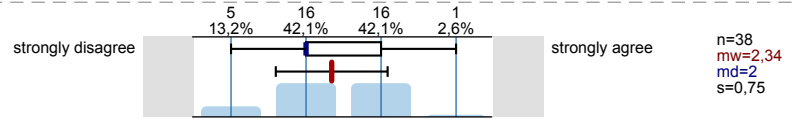
8. User Interface Design



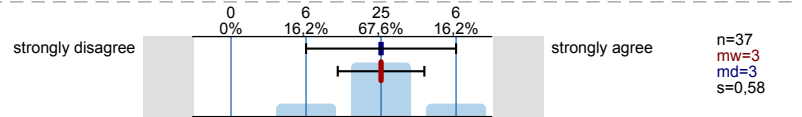
9. Software Quality



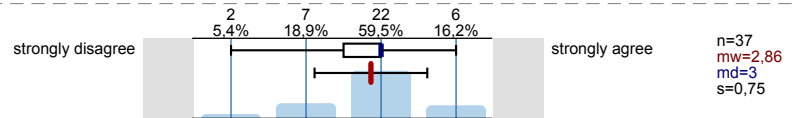
10. Software Security



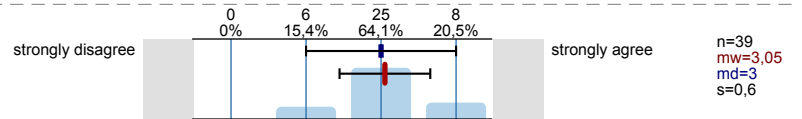
11. Software Metrics



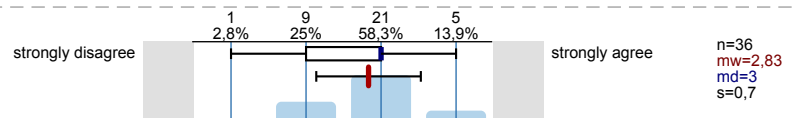
12. Project Management



13. Software Architecture



14. SE in practice



Profillinie

Teilbereich: Phil.-nat. Fakultät
 Name der/des Lehrenden: Prof. Dr. Oscar Marius Nierstrasz
 Titel der Lehrveranstaltung: Introduction to Software Engineering
 (Name der Umfrage)

Verwendete Werte in der Profillinie: Mittelwert

Planning and Presentation

1 The course follows a coherent structure.	not true		true	n=37 mw=3,49 md=3,00 s=0,51
2 The wider context of the subject matter is sufficiently elucidated.	not true		true	n=37 mw=3,51 md=4,00 s=0,56
3 The lecturer expresses him-/herself clearly and comprehensibly.	not true		true	n=39 mw=3,69 md=4,00 s=0,52
4 The course provides an adequate overview of the subject matter treated.	not true		true	n=37 mw=3,49 md=4,00 s=0,56
5 The design of the course contributes to an understanding of the subject matter.	not true		true	n=39 mw=3,33 md=3,00 s=0,62
6 There is overall enough material provided to assist the learning process (slides, course material, hand-outs, etc.).	not true		true	n=37 mw=3,57 md=4,00 s=0,55
7 The course materials (slides, course manuals, hand-outs, etc.) are overall of sufficient quality.	not true		true	n=39 mw=3,67 md=4,00 s=0,48

Manners with Students

8 The lecturer takes students seriously.	not true		true	n=39 mw=3,95 md=4,00 s=0,22
9 The lecturer is friendly and respectful towards students.	not true		true	n=39 mw=4,00 md=4,00 s=0,00
10 The lecturer addresses questions and suggestions from students adequately.	not true		true	n=37 mw=3,92 md=4,00 s=0,28
11 The lecturer seems to care about his/her students' progress.	not true		true	n=38 mw=3,74 md=4,00 s=0,45

Interest and Relevance

12 The lecturer succeeds in making the course interesting.	not true		true	n=38 mw=3,42 md=4,00 s=0,68
13 The course is probably very useful for my future professional life.	not true		true	n=39 mw=3,44 md=4,00 s=0,75
14 The applicability and relevance of the subject matter is sufficiently clarified by the lecturer.	not true		true	n=39 mw=3,67 md=4,00 s=0,48
15 The lecturer fosters my interest in the subject.	not true		true	n=38 mw=3,32 md=3,00 s=0,70

Complexity and Scope

16 The degree of complexity of the course is:	far too low/ narrow		far too high/ wide	n=38 mw=3,18 md=3,00 s=0,46
17 The scope of the course is:	far too low/ narrow		far too high/ wide	n=39 mw=3,21 md=3,00 s=0,57

18 The pace of the course is:		n=39	mw=3,08 md=3,00 s=0,42
19 The amount of knowledge presupposed by the course is:		n=39	mw=3,23 md=3,00 s=0,58

Overall Assessment

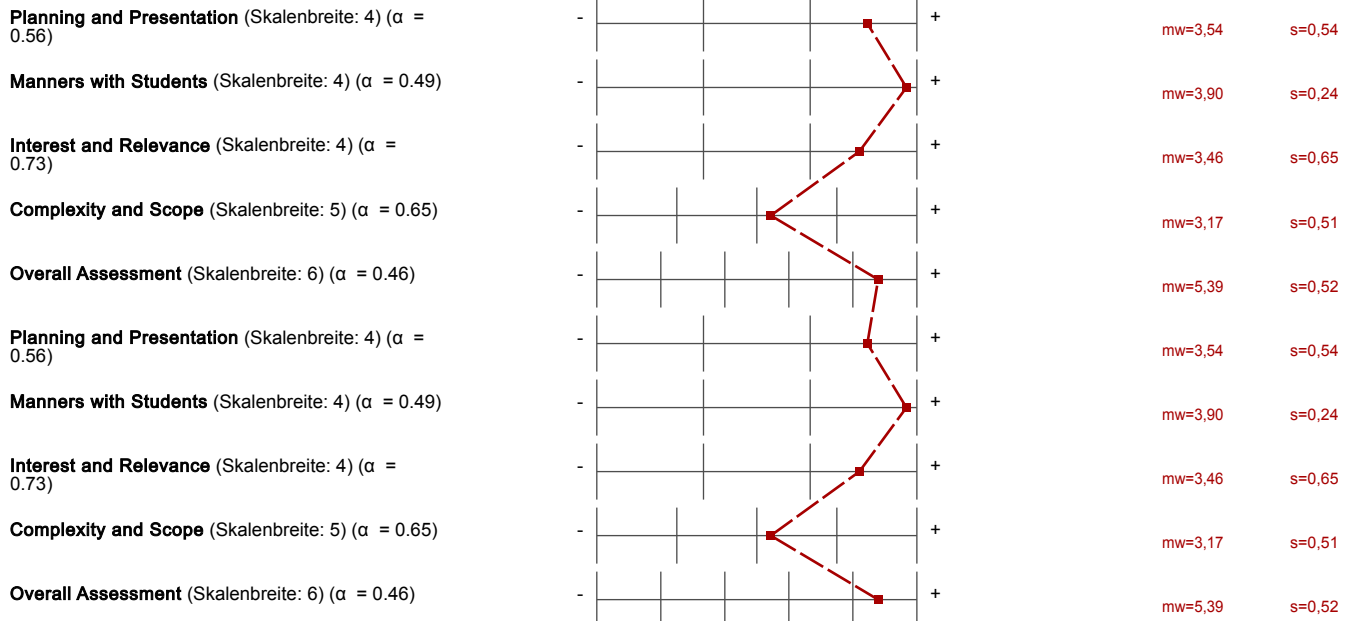
20 How would you grade the course as a whole?		n=40	mw=4,98 md=5,00 s=0,58
21 How would you grade the lecturer with regard to subject expertise?		n=39	mw=5,82 md=6,00 s=0,39
22 How would you grade the lecturer with regard to teaching methods?		n=40	mw=5,40 md=5,00 s=0,59

Assessment of Individual Lectures

1. Introduction: The Software Lifecycle		n=40	mw=2,95 md=3,00 s=0,50
2. Requirements Collection		n=40	mw=3,20 md=3,00 s=0,52
3. Responsibility-Driven Design		n=36	mw=3,03 md=3,00 s=0,56
4. Agile Practices in Industry		n=37	mw=2,78 md=3,00 s=0,75
5. Modeling Objects and Classes		n=38	mw=2,92 md=3,00 s=0,78
6. Modeling Behaviour		n=40	mw=2,98 md=3,00 s=0,77
7. Software Testing		n=39	mw=2,92 md=3,00 s=0,70
8. User Interface Design		n=37	mw=2,76 md=3,00 s=0,72
9. Software Quality		n=38	mw=2,87 md=3,00 s=0,58
10. Software Security		n=38	mw=2,34 md=2,00 s=0,75
11. Software Metrics		n=37	mw=3,00 md=3,00 s=0,58
12. Project Management		n=37	mw=2,86 md=3,00 s=0,75
13. Software Architecture		n=39	mw=3,05 md=3,00 s=0,60
14. SE in practice		n=36	mw=2,83 md=3,00 s=0,70

Profillinie

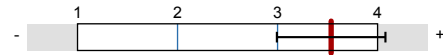
Teilbereich: Phil.-nat. Fakultät
 Name der/des Lehrenden: Prof. Dr. Oscar Marius Nierstrasz
 Titel der Lehrveranstaltung: Introduction to Software Engineering
 (Name der Umfrage)



Präsentationsvorlage

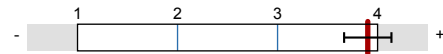
Introduction to Software Engineering
Prof. Dr. Oscar Marius Nierstrasz
Erfasste Fragebögen = 42

Planning and Presentation
(Skalenbreite: 4) ($\alpha = 0.56$)



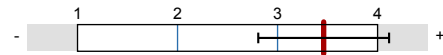
mw=3,54

Manners with Students
(Skalenbreite: 4) ($\alpha = 0.49$)



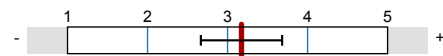
mw=3,9

Interest and Relevance
(Skalenbreite: 4) ($\alpha = 0.73$)



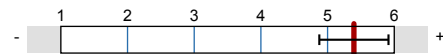
mw=3,46

Complexity and Scope
(Skalenbreite: 5) ($\alpha = 0.65$)



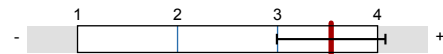
mw=3,17

Overall Assessment (Skalenbreite:
6) ($\alpha = 0.46$)



mw=5,39

Planning and Presentation
(Skalenbreite: 4) ($\alpha = 0.56$)



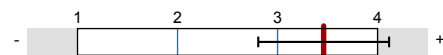
mw=3,54

Manners with Students
(Skalenbreite: 4) ($\alpha = 0.49$)



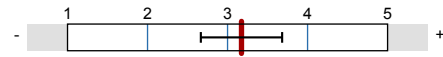
mw=3,9

Interest and Relevance
(Skalenbreite: 4) ($\alpha = 0.73$)



mw=3,46

Complexity and Scope
(Skalenbreite: 5) ($\alpha = 0.65$)



mw=3,17

Overall Assessment (Skalenbreite:
6) ($\alpha = 0.46$)



mw=5,39