

Vizerektorat Lehre, iLUB, Hochschulstrasse 6, 3012 Bern

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

^b
**UNIVERSITÄT
BERN**

Vizerektorat Lehre

Lehrveranstaltungsevaluation

Report of evaluation: FS18 Programmierung 2 (2417)

Dear Prof. Dr. Nierstrasz

Please find here the results of the evaluation of your course Programmierung 2. Following the scanning of the questionnaires, this report was automatically generated and mailed to you.

The questionnaire used was PN-P2.V1. In the report, you first see the mean values of the following dimensions:

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

In the second part of the report, you see the answers to all the questions. The number of answers, the mean value and the values differing from it are also given.

Grade 1 equals the lowest grade given by the students, grade 4 or more the highest grade (unless a question is reversed). In 'complexity and scope' grade 3 corresponds to 'exactly right' and is therefore the best grade. In the overall assessment of the Course, grade 6 means the best result.

We hope that this report helps you to analyse your course. Please briefly discuss the results with your students before the end of the semester.

In case you wish to learn more about how to improve your teaching, you might want to discuss the results with the staff of the 'Hochschuldidaktik' (mail address: hd@zuw.unibe.ch). Please bring a copy of the report with you, since the staff of Hochschuldidaktik do not have access to evaluation results.

You might find guidelines, regulations and information about the process under www.lehrveranstaltungsevaluation.unibe.ch (documents in German).

Should you need more information, you may also contact us by e-mail.

Kind regards
Daniela Wullemin
Vice-rectorate of quality

Overall indicators

Planning and Presentation (Skalenbreite: 4) ($\alpha = 0.77$)



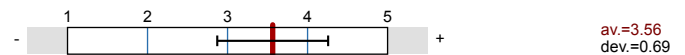
Manners with Students (Skalenbreite: 4) ($\alpha = 0.39$)



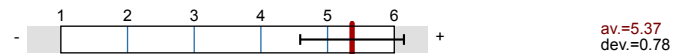
Interest and Relevance (Skalenbreite: 4) ($\alpha = 0.69$)



Complexity and Scope (Skalenbreite: 5) ($\alpha = 0.73$)



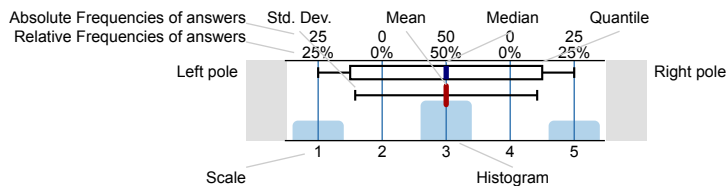
Overall Assessment (Skalenbreite: 6) ($\alpha = 0.84$)



Survey Results

Legend

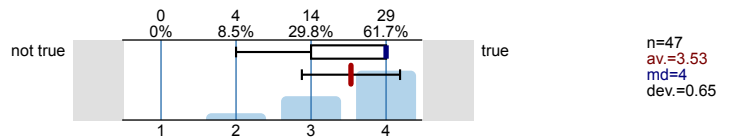
Question text



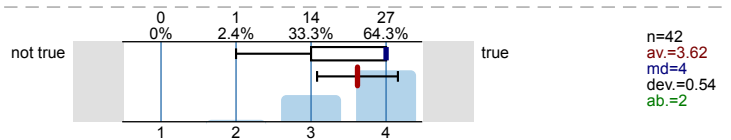
n=No. of responses
av.=Mean
md=Median
dev.=Std. Dev.
ab.=Abstention

Planning and Presentation

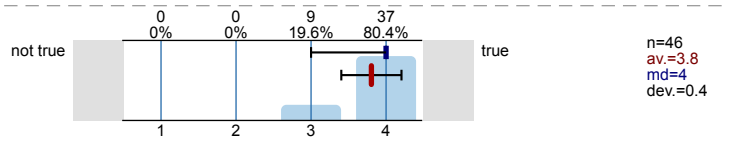
1 The course follows a coherent structure.



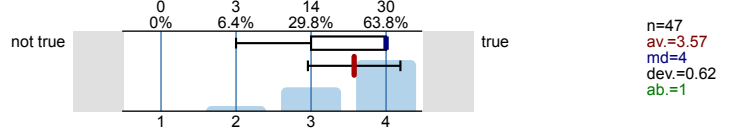
2 The wider context of the subject matter is sufficiently elucidated.



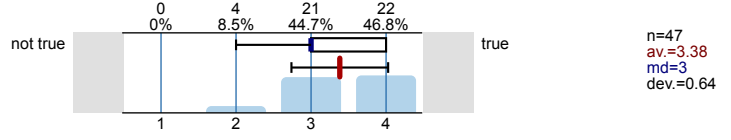
3 The lecturer expresses him-/herself clearly and comprehensibly.



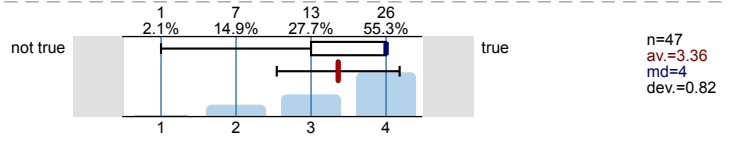
4 The course provides an adequate overview of the subject matter treated.



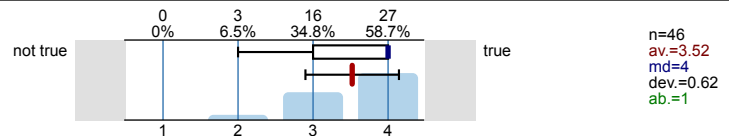
5 The design of the course contributes to an understanding of the subject matter.



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

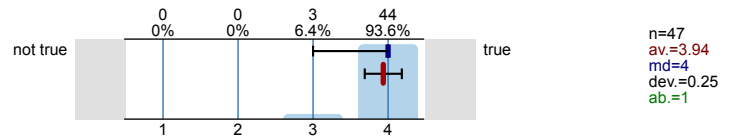


7 The course materials (slides, course manuals, hand-outs, etc.) are overall of sufficient quality.

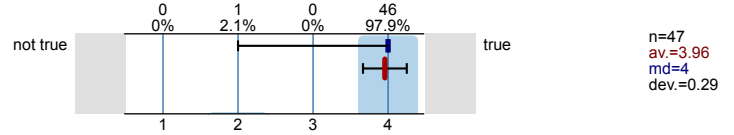


Manners with Students

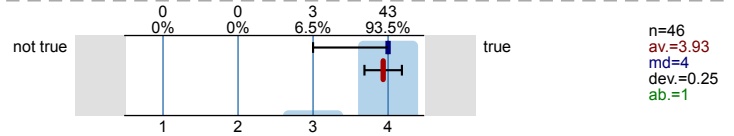
8 The lecturer takes students seriously.



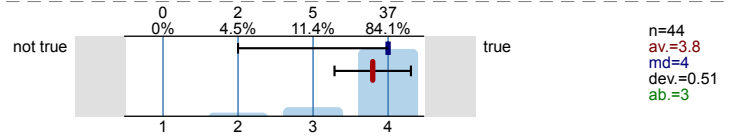
9 The lecturer is friendly and respectful towards students.



10 The lecturer addresses questions and suggestions from students adequately.

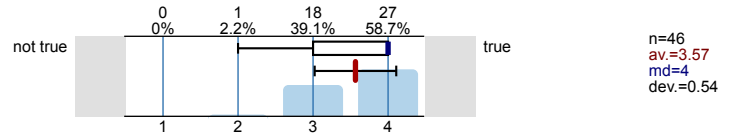


11 The lecturer seems to care about his/her students' progress.

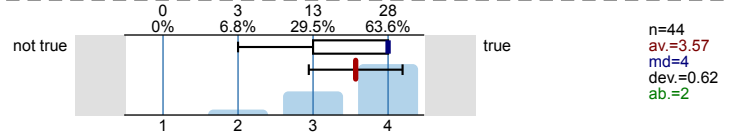


Interest and Relevance

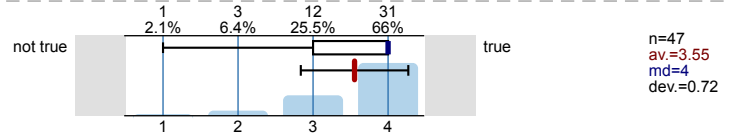
12 The lecturer succeeds in making the course interesting.



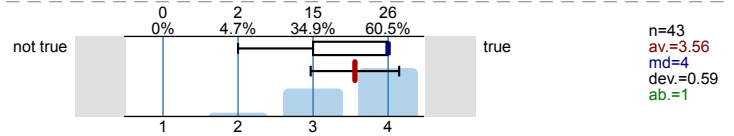
13 The course is probably very useful for my future professional life.



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

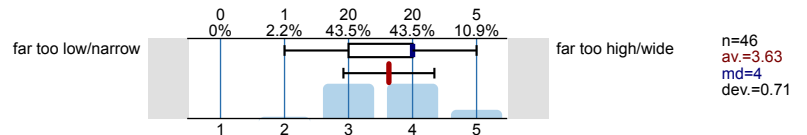


15 The lecturer fosters my interest in the subject.

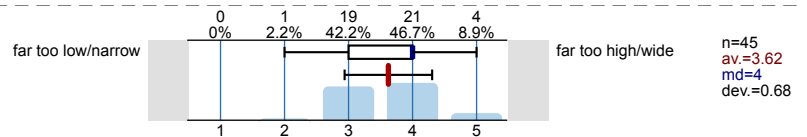


Complexity and Scope

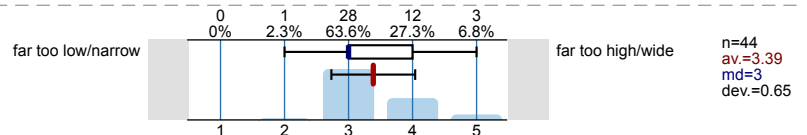
16 The degree of complexity of the course is:



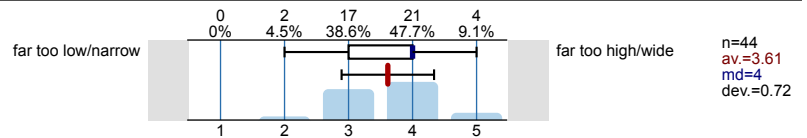
17 The scope of the course is:



18 The pace of the course is:

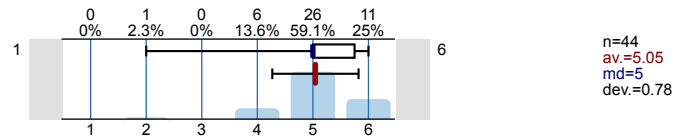


19 The amount of knowledge presupposed by the course is:

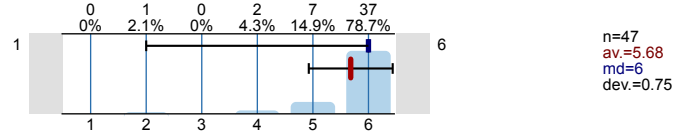


Overall Assessment

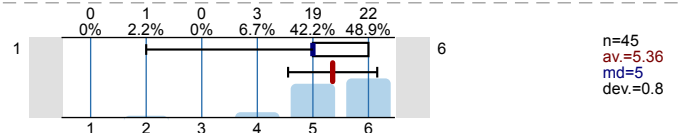
20 How would you grade the course as a whole?



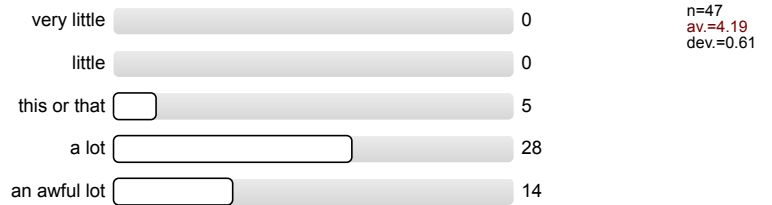
21 How would you grade the lecturer with regard to subject expertise?



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)?



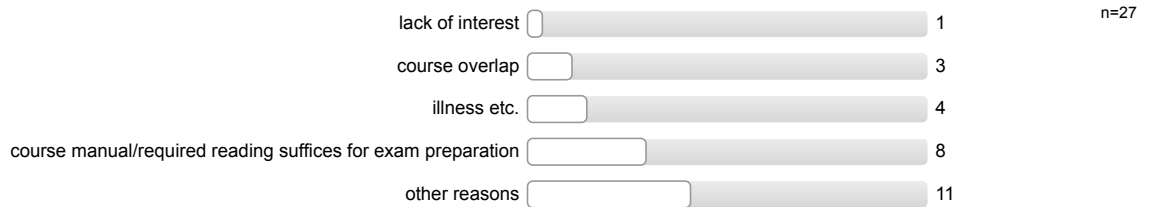
25 Was the topic of interest to you?



26 How many lectures did you miss?



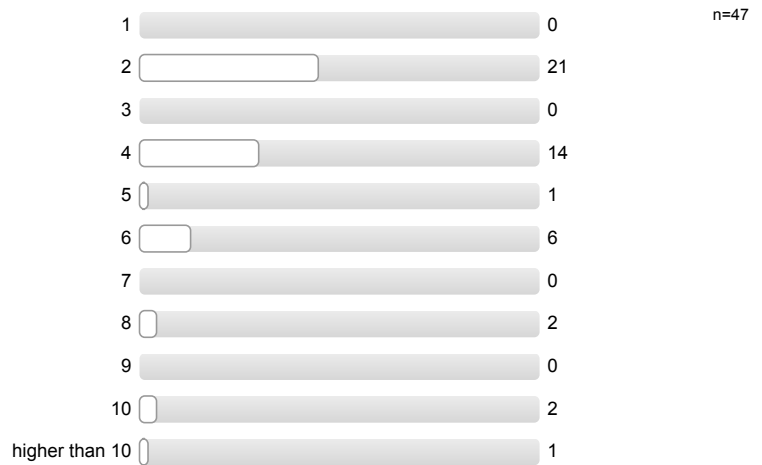
27 If you missed more than 2 lectures, please give one reason:



28 Allocation of the course in your study programme:?



29 Your current number of semesters?

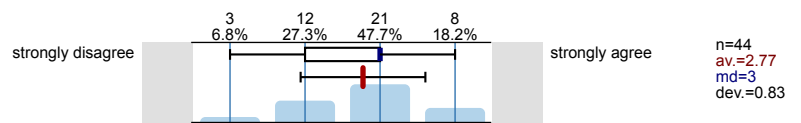


30 Sex

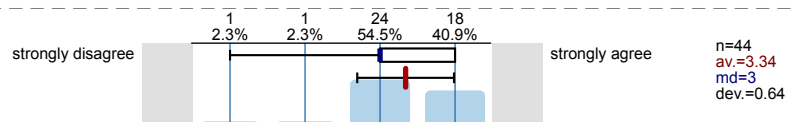


Assessment of Individual Lectures

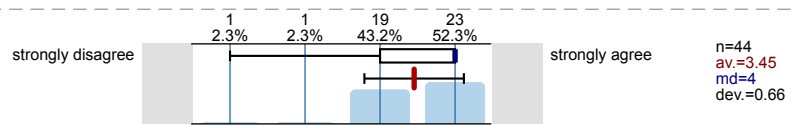
8.1 Introduction



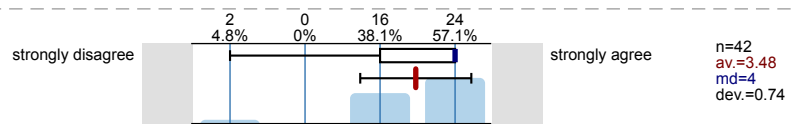
8.2 OO Design Principles



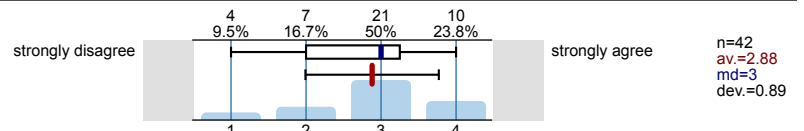
8.3 Design by Contract



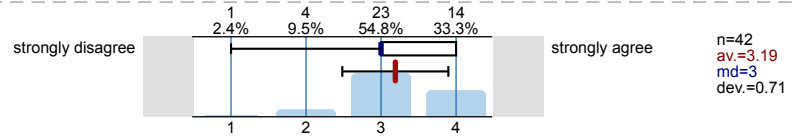
8.4 A Testing Framework



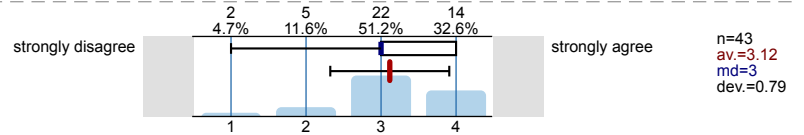
8.5 Debugging and Tools



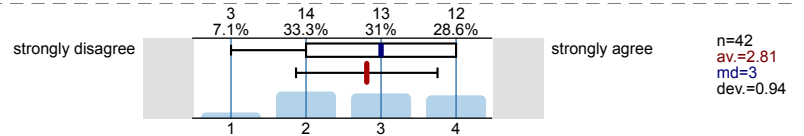
8.6 Iterative Development



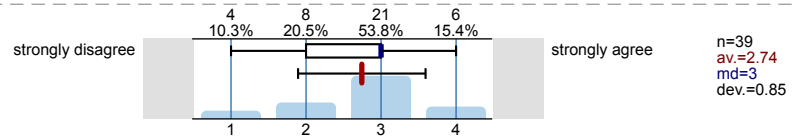
8.7 Inheritance and Refactoring



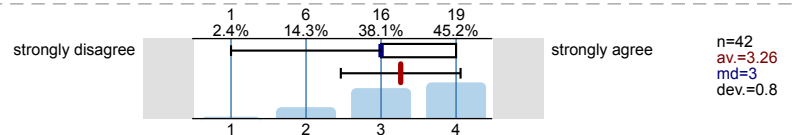
8.8 GUI Construction



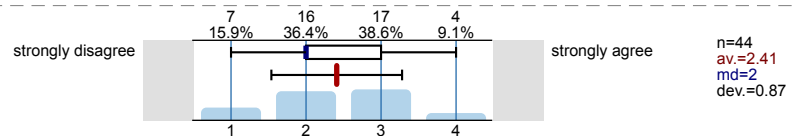
8.9 Advanced Design Lab



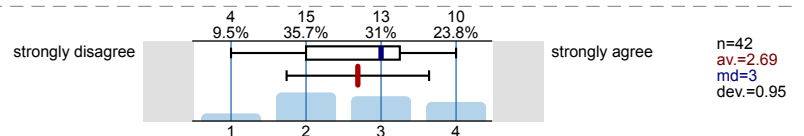
8.10 Guidelines, Idioms and Patterns



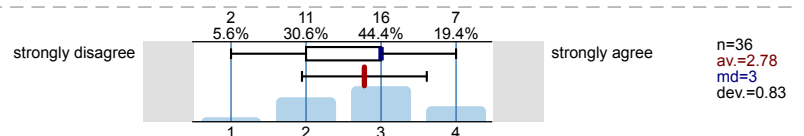
8.11 A bit of C++



8.12 A bit of Smalltalk



8.13 Einblicke in die Praxis



Profile

Subunit: Phil.-nat. Fakultät
 Name of the instructor: Prof. Dr. Oscar Marius Nierstrasz
 Name of the course: Programmierung 2
 (Name of the survey)

Values used in the profile line: Mean

Planning and Presentation

1 The course follows a coherent structure.	not true		true	n=47	av.=3.53	md=4.00	dev.=0.65
2 The wider context of the subject matter is sufficiently elucidated.	not true		true	n=42	av.=3.62	md=4.00	dev.=0.54
3 The lecturer expresses him-/herself clearly and comprehensibly.	not true		true	n=46	av.=3.80	md=4.00	dev.=0.40
4 The course provides an adequate overview of the subject matter treated.	not true		true	n=47	av.=3.57	md=4.00	dev.=0.62
5 The design of the course contributes to an understanding of the subject matter.	not true		true	n=47	av.=3.38	md=3.00	dev.=0.64
6 There is overall enough material provided to assist the learning process (slides, course material, hand-outs, etc.).	not true		true	n=47	av.=3.36	md=4.00	dev.=0.82
7 The course materials (slides, course manuals, hand-outs, etc.) are overall of sufficient quality.	not true		true	n=46	av.=3.52	md=4.00	dev.=0.62

Manners with Students

8 The lecturer takes students seriously.	not true		true	n=47	av.=3.94	md=4.00	dev.=0.25
9 The lecturer is friendly and respectful towards students.	not true		true	n=47	av.=3.96	md=4.00	dev.=0.29
10 The lecturer addresses questions and suggestions from students adequately.	not true		true	n=46	av.=3.93	md=4.00	dev.=0.25
11 The lecturer seems to care about his/her students' progress.	not true		true	n=44	av.=3.80	md=4.00	dev.=0.51

Interest and Relevance

12 The lecturer succeeds in making the course interesting.	not true		true	n=46	av.=3.57	md=4.00	dev.=0.54
13 The course is probably very useful for my future professional life.	not true		true	n=44	av.=3.57	md=4.00	dev.=0.62
14 The applicability and relevance of the subject matter is sufficiently clarified by the lecturer.	not true		true	n=47	av.=3.55	md=4.00	dev.=0.72
15 The lecturer fosters my interest in the subject.	not true		true	n=43	av.=3.56	md=4.00	dev.=0.59

Complexity and Scope

16 The degree of complexity of the course is:	far too low/ narrow		far too high/ wide	n=46	av.=3.63	md=4.00	dev.=0.71
17 The scope of the course is:	far too low/ narrow		far too high/ wide	n=45	av.=3.62	md=4.00	dev.=0.68

18 The pace of the course is:	far too low/ narrow		far too high/ wide	n=44	av.=3.39	md=3.00	dev.=0.65
19 The amount of knowledge presupposed by the course is:	far too low/ narrow		far too high/ wide	n=44	av.=3.61	md=4.00	dev.=0.72

Overall Assessment

20 How would you grade the course as a whole?	1		6	n=44	av.=5.05	md=5.00	dev.=0.78
21 How would you grade the lecturer with regard to subject expertise?	1		6	n=47	av.=5.68	md=6.00	dev.=0.75
22 How would you grade the lecturer with regard to teaching methods?	1		6	n=45	av.=5.36	md=5.00	dev.=0.80

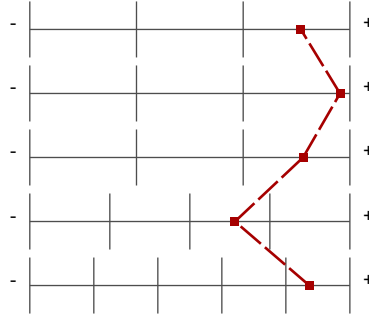
Assessment of Individual Lectures

8.1 Introduction	strongly disagree		strongly agree	n=44	av.=2.77	md=3.00	dev.=0.83
8.2 OO Design Principles	strongly disagree		strongly agree	n=44	av.=3.34	md=3.00	dev.=0.64
8.3 Design by Contract	strongly disagree		strongly agree	n=44	av.=3.45	md=4.00	dev.=0.66
8.4 A Testing Framework	strongly disagree		strongly agree	n=42	av.=3.48	md=4.00	dev.=0.74
8.5 Debugging and Tools	strongly disagree		strongly agree	n=42	av.=2.88	md=3.00	dev.=0.89
8.6 Iterative Development	strongly disagree		strongly agree	n=42	av.=3.19	md=3.00	dev.=0.71
8.7 Inheritance and Refactoring	strongly disagree		strongly agree	n=43	av.=3.12	md=3.00	dev.=0.79
8.8 GUI Construction	strongly disagree		strongly agree	n=42	av.=2.81	md=3.00	dev.=0.94
8.9 Advanced Design Lab	strongly disagree		strongly agree	n=39	av.=2.74	md=3.00	dev.=0.85
8.10 Guidelines, Idioms and Patterns	strongly disagree		strongly agree	n=42	av.=3.26	md=3.00	dev.=0.80
8.11 A bit of C++	strongly disagree		strongly agree	n=44	av.=2.41	md=2.00	dev.=0.87
8.12 A bit of Smalltalk	strongly disagree		strongly agree	n=42	av.=2.69	md=3.00	dev.=0.95
8.13 Einblicke in die Praxis	strongly disagree		strongly agree	n=36	av.=2.78	md=3.00	dev.=0.83

Profile Line for Indicators

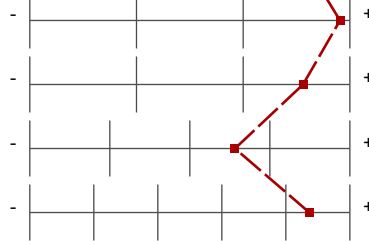
Subunit: Phil.-nat. Fakultät
Name of the instructor: Prof. Dr. Oscar Marius Nierstrasz
Name of the course: Programmierung 2
(Name of the survey)

Planning and Presentation (Skalenbreite: 4) ($\alpha = 0.77$)



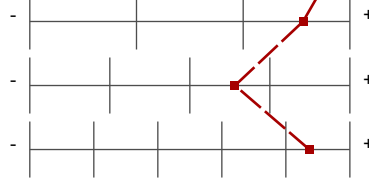
av.=3.54 dev.=0.61

Manners with Students (Skalenbreite: 4) ($\alpha = 0.39$)



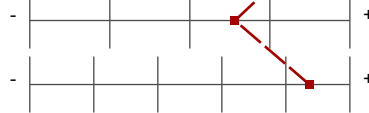
av.=3.91 dev.=0.32

Interest and Relevance (Skalenbreite: 4) ($\alpha = 0.69$)



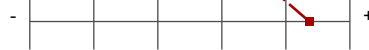
av.=3.56 dev.=0.62

Complexity and Scope (Skalenbreite: 5) ($\alpha = 0.73$)



av.=3.56 dev.=0.69

Overall Assessment (Skalenbreite: 6) ($\alpha = 0.84$)



av.=5.37 dev.=0.78

Comments Report

Open Questions

What did you like about the course?

at lot of information & very good teaching.

It showed a lot about practices in real professional work.

Thank you. great lecture.

lots of Examples

Podcasts
Exercises

Podcasts were reliable (on time)
Piazza had a better "overview" than Ila)
Exercises were challenging but fulfilling

Very clear and concise presentation by the instructor (much better than in "Einführung in die Informatik"). Maybe this is because of the language. The lecturer really seems to enjoy/love OOP.

The questions at the end of the slides

interesting

+ Pleasant voice
+ "gute Didaktik"

never empty

Exercises contain very very much work.
very strict correction

It was interesting

- Coding
- IDE insights, tips, tricks
- Mr. Nierstrasz is an excellent prof. for computer science. Seriously!

I learned so much and it was cool to feel like I was a good programmer and the program worked.

Professor seems to enjoy teaching

I liked that there were a lot of running examples. The exercises were fun. The guest lecture was also a great insight in the praxis.

Podcast

Podcasts

Smalltalk, at first I was extremely confused but after a bit I was surprised how easy and funny smalltalk is. The assistants were very supportive which helped a lot.

Very interesting and useful.

The Exercises taught me a lot and the assistant gave useful feedback with care

He marked questions

The thematic

Implementing DBC for example.

↳ directly using lecture and practising lecture material

The lecturer was enthusiastic and talked well. I learned a lot about programming ~

The hidden slides are great (english 😊)
friendly exercise team podcasts are good

What did you not like about the course?

Things were mentioned more than once (e.g. Code Smell, DBC)

8) In lecture Mes Exercise and feed track IV0

Friday afternoon is a rather busy time for such a lecture
(but can't be helped)

A lot of homework, especially for someone only doing CS as
a minor.

A lot of time for the exercises

- The exam is kinda "Bulwies-Verren" "

the paper model of the GVI

It was way too much. If you regard that this is only 5 points!

- Quite long exercises not always related to the lecture
- Exercise instruction contained quite a lot of mistakes or unclear instructions

- Advanced Design Lab
- Huge exercise workload \rightarrow relevance of exercises for exam

exercises did take too much time

Some exercises were a bit too big, ~~but~~ only a little.

Exercises too much

that 2 new programming languages come one after another

Not clear what to learn. What is important?

The exercises were too intense for getting only SECTS.

Time: It was on Friday afternoon and in an old building (the old exercise)

The exercises for the testat were too broad and most of the time not specified clearly.

Smalltalk, too fast and not entirely explained. impossible to learn sufficiently

Not well worked together with the P1 course. ~~It~~ Neither Assistant nor the lecturers seemed to know what we did there. Assistants and Lecturer also didn't coordinate well.

Some topics are covered multiple times (invariants, code smells, refactoring)

exercise should be more streamlined or hours better distributed
lab podcasts not always on time

Suggestions for improvements?

I would have liked to learn more about I/O streams or maybe multithreading. But of course this lecture is only a prep for later lectures.

DBC mentioned in the first lecture, I didn't understand it - after third lecture was no problem \rightarrow stay in the program instead of talking always of all a bit - but overall really good lecture

- Presentations of the exercise hours ~~in~~ on podcast would be nice 😊

The exercises take a lot of time so it would be nice if they count as a part of the grade.

Since the exercises are such an essential part they should count towards the final grade (~20-30%)

exercites too hard.

~~Exercise too hard~~

—

Please upload old exams

Smaller more specific exercises

I would like for the exam not to be so early on. I wished I had at least a week to study. And getting the test is super stressfull

Less Exercises. Pool session could be more organized. sometimes one student took up 20 minutes of someone's time so I had to wait for 20 minutes for a 2 minute






Better structure, overview of all lessons.
Mock test or some sample questions or old tests.

Less exercises for the testat

Better coordination, a bit more help for people who haven't programmed all ~~they~~ their life, nicer comments and better explaining where to get information.

clarify more why patterns are useful and give practical examples.

Maybe more of a focus on UML for patterns, more smalltalk examples in slides, evaluation not after exams but in a lecture

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Planning and Presentation (Skalenbreite: 4)	0%	20%	40%	60%	80%	100%		3.54	0.61
							Scale width: 4		
Manners with Students (Skalenbreite: 4)	0%	20%	40%	60%	80%	100%		3.91	0.32
							Scale width: 4		
Interest and Relevance (Skalenbreite: 4)	0%	20%	40%	60%	80%	100%		3.56	0.62
							Scale width: 4		
Complexity and Scope (Skalenbreite: 5)	0%	20%	40%	60%	80%	100%		3.56	0.69
							Scale width: 5		
Overall Assessment (Skalenbreite: 6)	0%	20%	40%	60%	80%	100%		5.37	0.78
							Scale width: 6		

dev.=Std. Dev.