UNIVERSITÄT
BERN

Vizerektorat Lehre, iLUB, Hochschulstrasse 6, 3012 Bern

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

Vizerektorat Lehre

Lehrveranstaltungsevaluation

Report of evaluation: FS17 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 Wuillemin
Vice-rectorate of quality

Daniela Wuillemin
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lehrevaluation@ilub.unibe.ch
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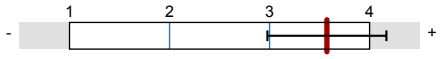
Prof. Dr. Oscar Marius Nierstrasz

Programmierung 2 (2417)
No. of responses = 47

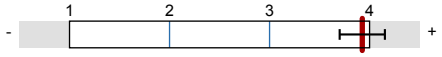
Overall indicators

Planning and Presentation (Skalenbreite: 4) (α = 0.84)



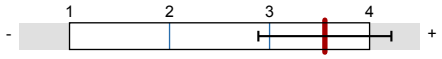
av.=3.57
dev.=0.59

Manners with Students (Skalenbreite: 4) (α = 0.66)



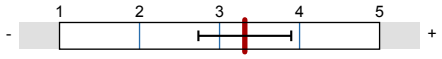
av.=3.93
dev.=0.23

Interest and Relevance (Skalenbreite: 4) (α = 0.76)



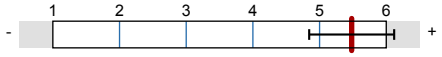
av.=3.55
dev.=0.67

Complexity and Scope (Skalenbreite: 5) (α = 0.74)



av.=3.32
dev.=0.58

Overall Assessment (Skalenbreite: 6) (α = 0.66)

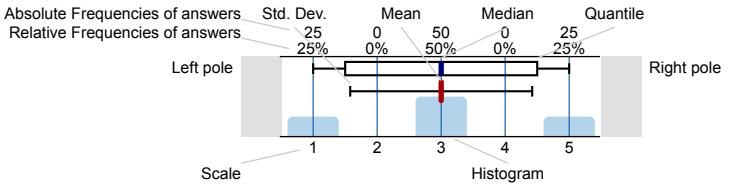


av.=5.48
dev.=0.64

Survey Results

Legend

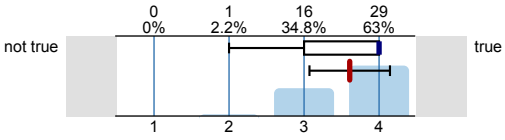
Question text



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

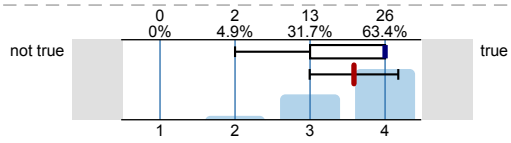
Planning and Presentation

1 The course follows a coherent structure.



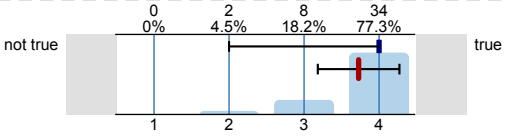
n=46
av.=3.61
md=4
dev.=0.54

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



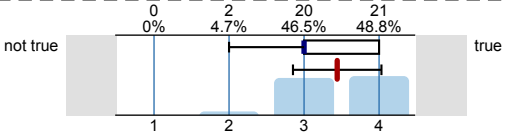
n=41
av.=3.59
md=4
dev.=0.59
ab.=3

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



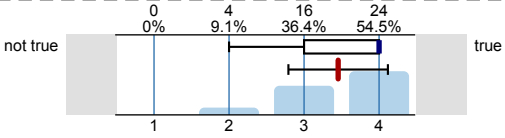
n=44
av.=3.73
md=4
dev.=0.54

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



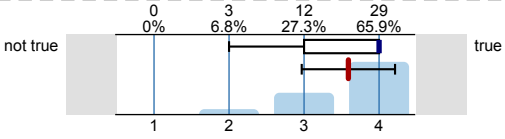
n=43
av.=3.44
md=3
dev.=0.59
ab.=2

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



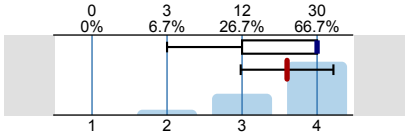
n=44
av.=3.45
md=4
dev.=0.66

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



n=44
av.=3.59
md=4
dev.=0.62

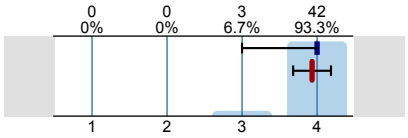
7 The course materials (slides, course manuals, hand-outs, etc.) are overall of sufficient quality.



n=45
av.=3.6
md=4
dev.=0.62

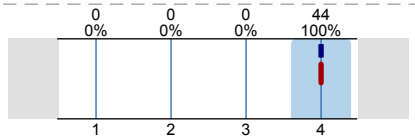
Manners with Students

8 The lecturer takes students seriously.



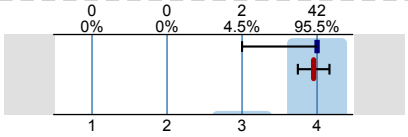
n=45
av.=3.93
md=4
dev.=0.25
ab.=1

9 The lecturer is friendly and respectful towards students.



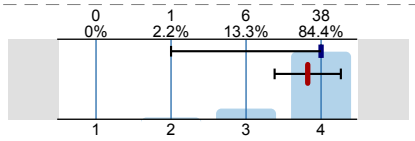
n=44
av.=4
md=4
dev.=0
ab.=1

10 The lecturer addresses questions and suggestions from students adequately.



n=44
av.=3.95
md=4
dev.=0.21
ab.=2

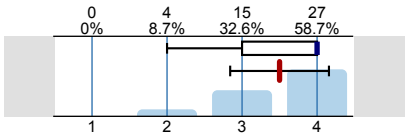
11 The lecturer seems to care about his/her students' progress.



n=45
av.=3.82
md=4
dev.=0.44
ab.=1

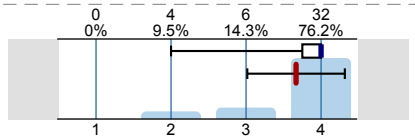
Interest and Relevance

12 The lecturer succeeds in making the course interesting.



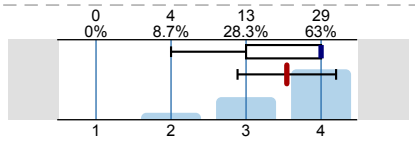
n=46
av.=3.5
md=4
dev.=0.66

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



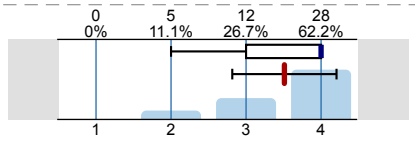
n=42
av.=3.67
md=4
dev.=0.65
ab.=3

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



n=46
av.=3.54
md=4
dev.=0.66

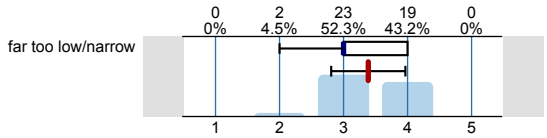
15 The lecturer fosters my interest in the subject.



n=45
av.=3.51
md=4
dev.=0.69

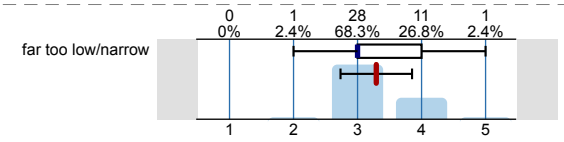
Complexity and Scope

16 The degree of complexity of the course is:



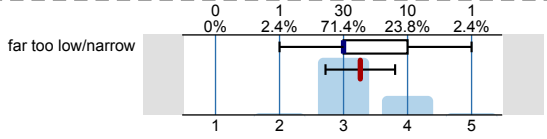
n=44
av.=3.39
md=3
dev.=0.58

17 The scope of the course is:



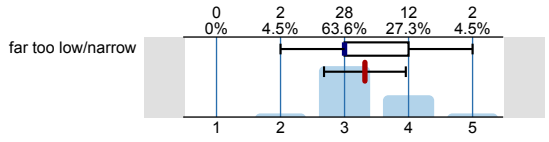
n=41
av.=3.29
md=3
dev.=0.56

18 The pace of the course is:



n=42
av.=3.26
md=3
dev.=0.54

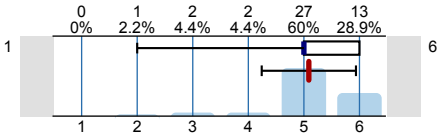
19 The amount of knowledge presupposed by the course is:



n=44
av.=3.32
md=3
dev.=0.64

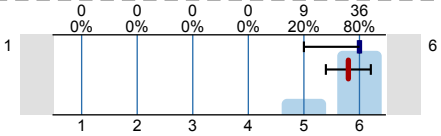
Overall Assessment

20 How would you grade the course as a whole?



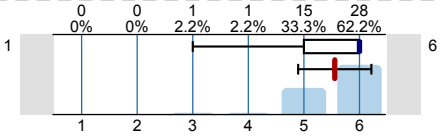
n=45
av.=5.09
md=5
dev.=0.85

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



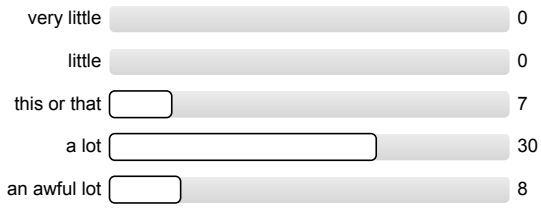
n=45
av.=5.8
md=6
dev.=0.4

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



n=45
av.=5.56
md=6
dev.=0.66

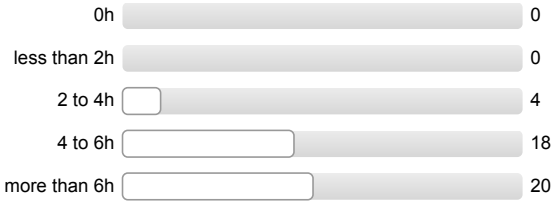
23 The course has taught me



n=45
av.=4.02
dev.=0.58

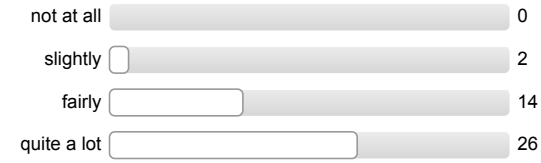
Socio-demographic Data and Background Variables

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



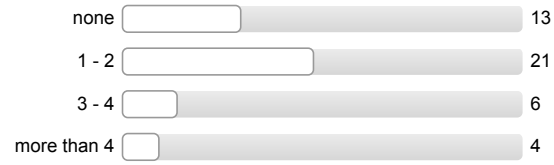
n=42

25 Was the topic of interest to you?



n=42

26 How many lectures did you miss?



n=44

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

n=15

lack of interest	1
course overlap	3
illness etc.	1
course manual/required reading suffices for exam preparation	2
other reasons	8

28 Allocation of the course in your study programme:?

n=42

mono subject/Major/Hauptfach	25
Minor/Nebenfach	16
complemetary or specialization course	1

29 Your current number of semesters?

n=43

1	3
2	20
3	3
4	10
5	1
6	1
7	0
8	3
9	1
10	0
higher than 10	1

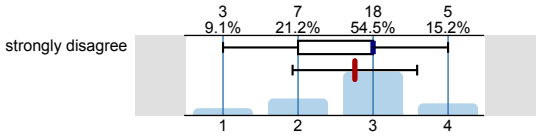
30 Sex

n=41

female	14
male	26
n/a	1

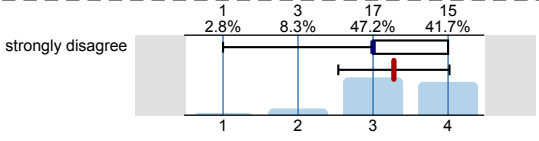
Assessment of Individual Lectures

8.1 Introduction



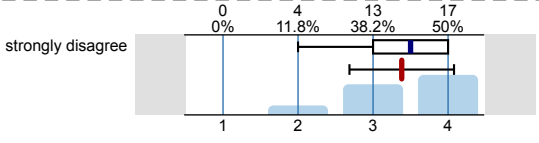
n=33
av.=2.76
md=3
dev.=0.83

8.2 OO Design Principles



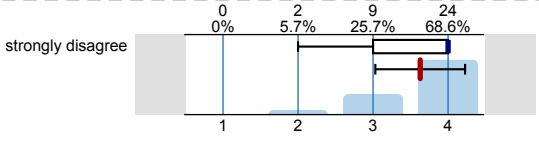
n=36
av.=3.28
md=3
dev.=0.74

8.3 Design by Contract



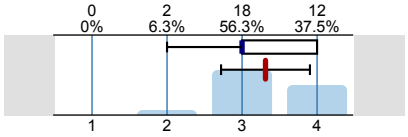
n=34
av.=3.38
md=3.5
dev.=0.7

8.4 A Testing Framework



n=35
av.=3.63
md=4
dev.=0.6

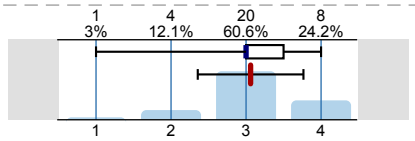
8.5 Debugging and Tools



strongly disagree — strongly agree

n=32
av.=3.31
md=3
dev.=0.59

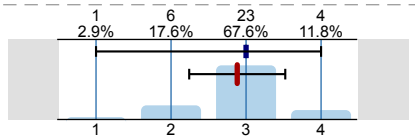
8.6 Iterative Development



strongly disagree — strongly agree

n=33
av.=3.06
md=3
dev.=0.7

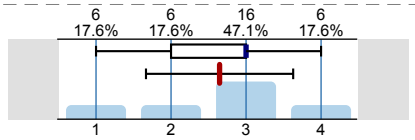
8.7 Inheritance and Refactoring



strongly disagree — strongly agree

n=34
av.=2.88
md=3
dev.=0.64

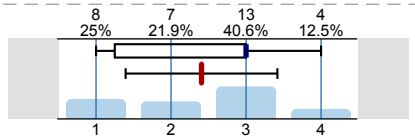
8.8 GUI Construction



strongly disagree — strongly agree

n=34
av.=2.65
md=3
dev.=0.98

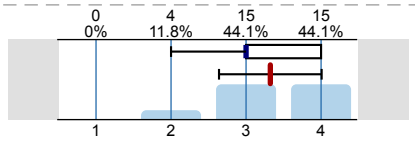
8.9 Advanced Design Lab



strongly disagree — strongly agree

n=32
av.=2.41
md=3
dev.=1.01

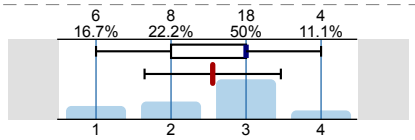
8.10 Guidelines, Idioms and Patterns



strongly disagree — strongly agree

n=34
av.=3.32
md=3
dev.=0.68

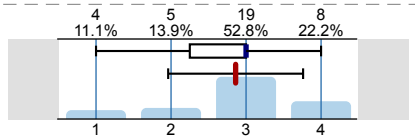
8.11 A bit of C++



strongly disagree — strongly agree

n=36
av.=2.56
md=3
dev.=0.91

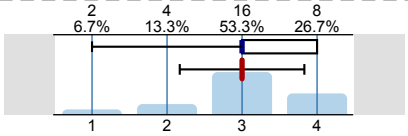
8.12 A bit of Smalltalk



strongly disagree — strongly agree

n=36
av.=2.86
md=3
dev.=0.9

8.13 Einblicke in die Praxis



strongly disagree — strongly agree

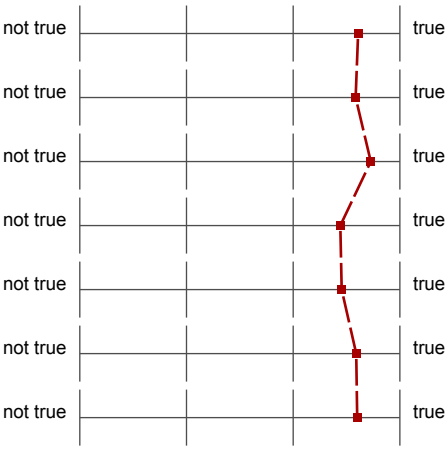
n=30
av.=3
md=3
dev.=0.83

Profile

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

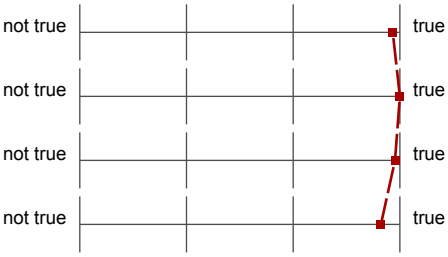
Values used in the profile line: Mean

Planning and Presentation



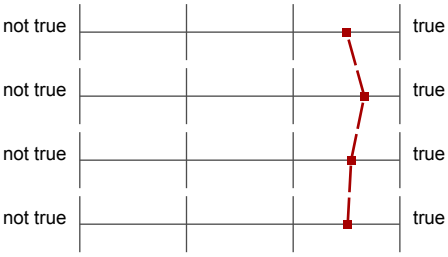
1 The course follows a coherent structure.	not true	true	n=46	av.=3.61	md=4.00	dev.=0.54
2 The wider context of the subject matter is sufficiently elucidated.	not true	true	n=41	av.=3.59	md=4.00	dev.=0.59
3 The lecturer expresses him-/herself clearly and comprehensibly.	not true	true	n=44	av.=3.73	md=4.00	dev.=0.54
4 The course provides an adequate overview of the subject matter treated.	not true	true	n=43	av.=3.44	md=3.00	dev.=0.59
5 The design of the course contributes to an understanding of the subject matter.	not true	true	n=44	av.=3.45	md=4.00	dev.=0.66
6 There is overall enough material provided to assist the learning process (slides, course material, hand-outs, etc.).	not true	true	n=44	av.=3.59	md=4.00	dev.=0.62
7 The course materials (slides, course manuals, hand-outs, etc.) are overall of sufficient quality.	not true	true	n=45	av.=3.60	md=4.00	dev.=0.62

Manners with Students



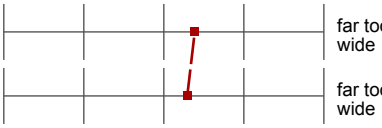
8 The lecturer takes students seriously.	not true	true	n=45	av.=3.93	md=4.00	dev.=0.25
9 The lecturer is friendly and respectful towards students.	not true	true	n=44	av.=4.00	md=4.00	dev.=0.00
10 The lecturer addresses questions and suggestions from students adequately.	not true	true	n=44	av.=3.95	md=4.00	dev.=0.21
11 The lecturer seems to care about his/her students' progress.	not true	true	n=45	av.=3.82	md=4.00	dev.=0.44

Interest and Relevance

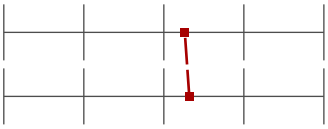


12 The lecturer succeeds in making the course interesting.	not true	true	n=46	av.=3.50	md=4.00	dev.=0.66
13 The course is probably very useful for my future professional life.	not true	true	n=42	av.=3.67	md=4.00	dev.=0.65
14 The applicability and relevance of the subject matter is sufficiently clarified by the lecturer.	not true	true	n=46	av.=3.54	md=4.00	dev.=0.66
15 The lecturer fosters my interest in the subject.	not true	true	n=45	av.=3.51	md=4.00	dev.=0.69

Complexity and Scope



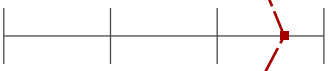
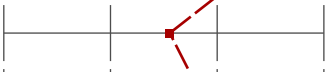
16 The degree of complexity of the course is:	far too low/ narrow	far too high/ wide	n=44	av.=3.39	md=3.00	dev.=0.58
17 The scope of the course is:	far too low/ narrow	far too high/ wide	n=41	av.=3.29	md=3.00	dev.=0.56

18 The pace of the course is:	far too low/ narrow		far too high/ wide	n=42	av.=3.26	md=3.00 dev.=0.54
19 The amount of knowledge presupposed by the course is:	far too low/ narrow		far too high/ wide	n=44	av.=3.32	md=3.00 dev.=0.64

Overall Assessment

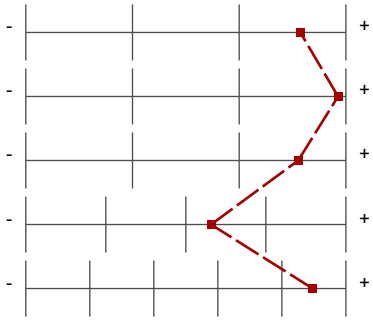
20 How would you grade the course as a whole?	1		6	n=45	av.=5.09	md=5.00 dev.=0.85
21 How would you grade the lecturer with regard to subject expertise?	1		6	n=45	av.=5.80	md=6.00 dev.=0.40
22 How would you grade the lecturer with regard to teaching methods?	1		6	n=45	av.=5.56	md=6.00 dev.=0.66

Assessment of Individual Lectures

8.1 Introduction	strongly disagree		strongly agree	n=33	av.=2.76	md=3.00 dev.=0.83
8.2 OO Design Principles	strongly disagree		strongly agree	n=36	av.=3.28	md=3.00 dev.=0.74
8.3 Design by Contract	strongly disagree		strongly agree	n=34	av.=3.38	md=3.50 dev.=0.70
8.4 A Testing Framework	strongly disagree		strongly agree	n=35	av.=3.63	md=4.00 dev.=0.60
8.5 Debugging and Tools	strongly disagree		strongly agree	n=32	av.=3.31	md=3.00 dev.=0.59
8.6 Iterative Development	strongly disagree		strongly agree	n=33	av.=3.06	md=3.00 dev.=0.70
8.7 Inheritance and Refactoring	strongly disagree		strongly agree	n=34	av.=2.88	md=3.00 dev.=0.64
8.8 GUI Construction	strongly disagree		strongly agree	n=34	av.=2.65	md=3.00 dev.=0.98
8.9 Advanced Design Lab	strongly disagree		strongly agree	n=32	av.=2.41	md=3.00 dev.=1.01
8.10 Guidelines, Idioms and Patterns	strongly disagree		strongly agree	n=34	av.=3.32	md=3.00 dev.=0.68
8.11 A bit of C++	strongly disagree		strongly agree	n=36	av.=2.56	md=3.00 dev.=0.91
8.12 A bit of Smalltalk	strongly disagree		strongly agree	n=36	av.=2.86	md=3.00 dev.=0.90
8.13 Einblicke in die Praxis	strongly disagree		strongly agree	n=30	av.=3.00	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: (Name of the survey) Programmierung 2



Planning and Presentation (Skalenbreite: 4) (α = 0.84) av.=3.57 dev.=0.59

Manners with Students (Skalenbreite: 4) (α = 0.66) av.=3.93 dev.=0.23

Interest and Relevance (Skalenbreite: 4) (α = 0.76) av.=3.55 dev.=0.67

Complexity and Scope (Skalenbreite: 5) (α = 0.74) av.=3.32 dev.=0.58

Overall Assessment (Skalenbreite: 6) (α = 0.66) av.=5.48 dev.=0.64

Comments Report

Open Questions

What did you like about the course?

great professor that really loves his subject

Introduction to design patterns

a lot of real life stuff to learn that we'll actually use

Loved the lectures. Lecturer showed a lot of passion while talking about the different themes.

Good structure, cool exercises

- the teacher has excellent speaking abilities. the course was always so interesting to listen to
- assistants did take time to answer questions
- I have learned lots of things that (as far as I may think) have practical relevance
- guest lecture

many examples

The lecture showed Programming on a level I had no experience in before. ~~The~~ I like the idea of trying to find out how to work on a program ~~not~~ in Terms of structural procedure and less on syntax and semantics
Powerpoint was very good and the extra slides made repeating the lectures easier

Programming

relevance

Practical application / exercises

interesting and important for the future I guess.

- slides with explanations

you could really see that the lecturer knows a lot about it and also is really passionate about the topics.

The professor was a pleasure to listen to, even though I had P2 before pm the lecturer and his lectures made it charming for me to listen to.

Taught me about test-driven design, how to refactor properly.

The correction of the exercises is really, really well done! I learned a lot from the feedback I got and I saw that the assistant (Matthias) really went through our code and tried to give good and constructive comments.

The lecturer was very nice and he explained the things very good.

1

Very interesting

presentation and style of presenting

Die Betreuung durch Prof. Nierstrasz & durch Oscar, Mathias & Jilles war sehr sehr hilfreich & wertschätzend. Merci vielmals dafür!

What did you not like about the course?

the exercises were really hard, yes I learned a lot but the time was not there

Java

Programming is way too much. Quaridoll took me about 20 hours in one week. And then for the exam learn all those meanings for this and that is too much.
Maybe => 10/12 programming exercises passed = course passed and no exam

All the dudes lecturing for one or two ass times were not as good as Professor.

The exercises were in my opinion to complex and I had to put a lot of work to succeed. It's really difficult if you only have knowledge from the course P1

although the exercises were good, they were also kind of difficult sometimes

-the exercises and the course content should better fit each other, at the beginning of the semester this was the case at the ed stuff
-it would have been great if there was an practical (not just prototyping) exercise about GUI
-the amount of work for the exercises was far over the 5ECTS !!!!!

The advanced design lab lecture didn't help me at all ~~it didn't~~
It was very slow and nobody really participated so it was boring
The lectures that were not with Prof. Dr. Nierstrasz were harder to understand and seemed less informative.

- Too much work for the exercises

It would have been intresting to also discuss other design priciples and languages other than OO. => The exercises need a loooot of time. I work 40% and an excercise every week was really hard to

difficulty → testat, ex.

way too much exercises relative to other courses (10 h a week! min)

- exercises too complex and too many
- long waiting times for corrections

The exercises are far too hard and used very much time. This course should be here to teach students how to code but I often felt like I should already have been programming for a long time or teach it myself. Also the lectures with the assistant were not good at all.

the design lab was not interesting and the example used against (in Switzerland, local and national taxes don't make sense)

The exercises are very time-consuming even if you have programming experience. The first lecture was not useful at all. The outlook on other programming languages was not necessary IMO.

The Homework were a little bit to hard.

Some task in the exercise were a bit unclear.

the exercises where too hard and sometimes doesn't have much to do with the lecture

z.T. habe ich mich ein wenig im Lernstoff verloren, z.B. bezügl. Design Pattern.

Suggestions for improvements?

the last two exercises should be canceled or just every two weeks one

I would start earlier with C++ and Smalltalk to show us that these principles can be applied more general than just in Java maybe & even including C or something to see what works there and what doesn't would be cool, Maybe set it up so that Dr Nierstrasz can give more lectures

Less exercises?

balance time requirements of the exercises, they varied widely. More tutors attending exercise hours. In One i had to wait 3/5 of the time till one had time for me.

Grade this Course by the exercises, not by a written exam where we just have to memorize things, not really understand them.

The exercises take a lot of time. Maybe the exercises could partly count for the exam.

-less exercises but more time to do them propesly

Less exercises.

Exercise to implement simple ~~task~~ GUI

Exercise should suite to the lecture

I think the C++ part was not as well as the rest of the course. I lacked some explanations and could not really follow.

Adjust some of the labsticles to be more descriptive
Friday lecture from 14:00 - 16:00 is torture.

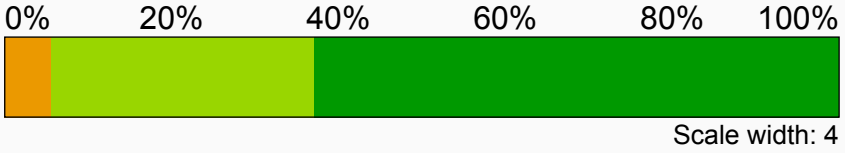
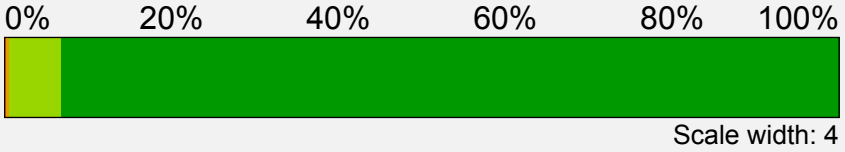
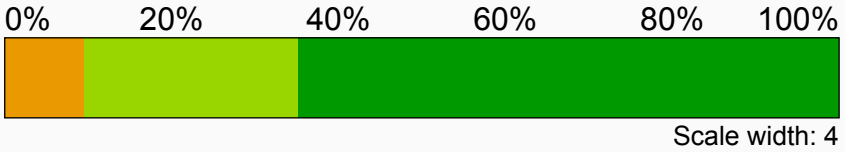
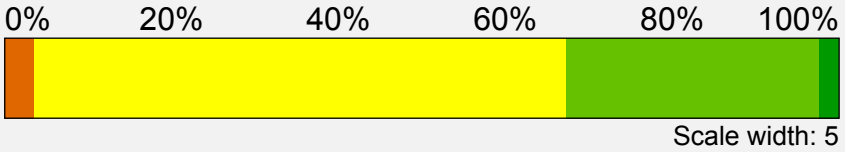
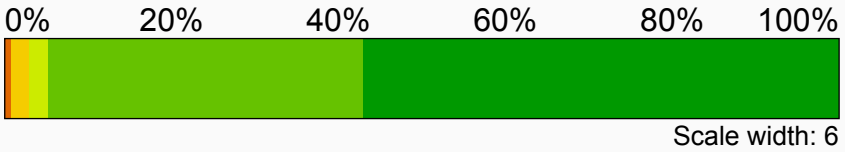
-lecture and exercise closer together from the theme.
-at least two weeks before the exam a student should rather focus on studying than the exercises

-

Programmierung 2

Responses = 47 questionnaires

Prof. Dr. Oscar Marius Nierstrasz

	-	+	Ø	dev.
Planning and Presentation (Skalenbreite: 4)			3.57	0.59
Manners with Students (Skalenbreite: 4)			3.93	0.23
Interest and Relevance (Skalenbreite: 4)			3.55	0.67
Complexity and Scope (Skalenbreite: 5)			3.32	0.58
Overall Assessment (Skalenbreite: 6)			5.48	0.64

dev.=Std. Dev.