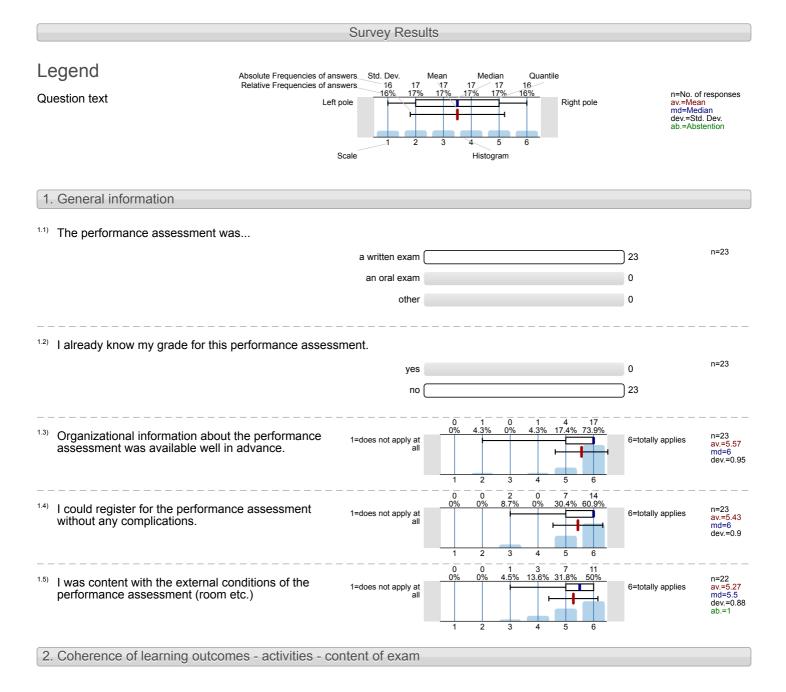
Prof. Dr. Oscar Nierstrasz HS20 Einführung in Software Engineering (LK2420) No. of responses = 23

 $u^{\scriptscriptstyle b}$ 5 UNIVERSITÄT BERN

Suitability of the type of exam 1 2 3 4 5 6 $ev=4.26$ Constructive alignment $ 1$ 2 3 4 5 6 $+$ $av=4.26$ Learning success $ 1$ 2 3 4 5 6 $+$ $av=4.26$ Learning success $ 1$ 2 3 4 5 6 $+$ $av=4.26$	Overall indicators		
Constructive alignment $ +$ $ -$	Suitability of the type of exam	av	v.=4.26 ev.=1.41
Loorning success	Constructive alignment	av	<mark>v.=4.58</mark> ev.=1.26
	Learning success	av	



2.1)	I was aware of the learning outcomes to be achieved in preparation for this performance assessment.	1=does not apply at all	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6=totally applies	n=23 av.=4.65 md=5 dev.=1.07
2.2)	Achieving the learning outcomes helped me prepare for the performance assessment.	1=does not apply at all	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6=totally applies	n=23 av.=4.74 md=5 dev.=1.18
2.3)	The learning outcomes of the course or the courses were reflected in the examination tasks.	1=does not apply at all	1 1 3 5 8 5 4.3% 4.3% 13% 21.7% 34.8% 21.7% 1 2 3 4 5 6	6=totally applies	n=23 av.=4.43 md=5 dev.=1.34
2.4)	The content covered in the course or the courses prepared me appropriately for the performance assessment.	1=does not apply at all	1 1 2 3 4 5 6	6=totally applies	n=23 av.=4.65 md=5 dev.=1.37
2.5)	The structure of the learning content in the course or the courses was conducive to the understanding of the topic.	1=does not apply at all	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6=totally applies	n=23 av.=4.74 md=5 dev.=1.18
2.6)	The course materials to assist learning (scripts, handouts, slides, exercises, course books, literature etc.) were useful in preparing for the performance assessment.	1=does not apply at all	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6=totally applies	n=23 av.=5.26 md=6 dev.=0.92
2.7)	The learning activities offered in the course or the courses (application examples, exercises, Q&A sessions etc.) were helpful in preparing for the exam.	1=does not apply at all	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6=totally applies	n=23 av.=4.39 md=4 dev.=1.41
2.8)	Feedback on my learning level that I received in the course or the courses encouraged me to study.	1=does not apply at all	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6=totally applies	n=15 av.=4.13 md=4 dev.=1.36 ab.=8
2.9)	The teaching methods used in the course or the courses effectively supported me in achieving the learning outcomes.	1=does not apply at all	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6=totally applies	n=21 av.=4.1 md=4 dev.=1.48 ab.=2
2.10)	A common thread, linking the learning outcomes, learning activities and performance assessment, was noticeable.	1=does not apply at all	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6=totally applies	n=20 av.=4.5 md=4.5 dev.=1.28 ab.=3
3.	Preparation for the exam				
3.1)	I started preparing for the performance assessment early on in the semester.	1=does not apply at all	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6=totally applies	n=23 av.=3.09 md=3 dev.=1.56
3.2)	When preparing for the performance assessment, I used the defined learning outcomes as a guide.	1=does not apply at all	2 1 5 9 5 8.7% 4.3% 4.3% 21.7% 39.1% 21.7% 1 2 3 4 5 6	6=totally applies	n=23 av.=4.43 md=5 dev.=1.47

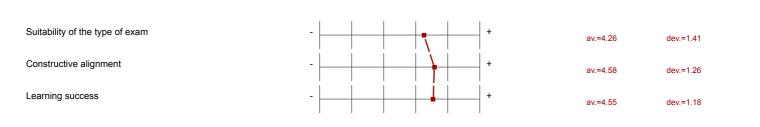
3.3)	My learning strategies turned out to be useful in preparing for the performance assessment.	1=does not apply at all	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6=totally applies	n=20 av.=4.65 md=5 dev.=1.04 ab.=3
3.4)	I focused on the most important points when preparing for the performance assessment.	1=does not apply at all	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6=totally applies	n=22 av.=4.95 md=5 dev.=1.17 ab.=1
3.5)	I took any opportunity provided during the course or the courses to assess my learning level in relation to the learning outcomes.	1=does not apply at all	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6=totally applies	n=18 av.=3.61 md=3 dev.=1.69 ab.=5
3.6)	I regularly prepared for the sessions.	1=does not apply at all	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6=totally applies	n=23 av.=3.61 md=3 dev.=1.75
3.7)	I regularly reviewed the material after the sessions.	1=does not apply at all	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6=totally applies	n=23 av.=4 md=4 dev.=1.78
3.8)	With regard to the performance assessment, I used the available course information as best I could.	1=does not apply at all	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6=totally applies	n=22 av.=4.36 md=4.5 dev.=1.4 ab.=1
4.	Suitability of the type of exam				
			1 2 5 5 4 6		
4.1)	The type of this performance assessment is suitable for the content of the course or the courses.	1=does not apply at all	4.3% 8.7% 21.7% 21.7% 17.4% 26.1% 1 2 3 4 5 6	6=totally applies	n=23 av.=4.17 md=4 dev.=1.5
4.1) 4.2)	The type of this performance assessment is suitable for the content of the course or the courses. The type of this performance assessment is suitable for the competencies defined in the learning outcomes.			6=totally applies	av.=4.17 md=4
4.1) 4.2) 4.3)	for the content of the course or the courses. The type of this performance assessment is suitable for the competencies defined in the learning	all			av.=4.17 md=4 dev.=1.5 n=22 av.=4.09 md=4 dev.=1.6
4.1) 4.2) 4.3) 4.3) 4.4)	for the content of the course or the courses. The type of this performance assessment is suitable for the competencies defined in the learning outcomes. The type of this performance assessment is suitable	all 1=does not apply at all	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6=totally applies	av.=4.17 md=4 dev.=1.5 = n=22 av.=4.09 md=4 dev.=1.6 ab.=1 = n=22 av.=5 md=5 dev.=1.07
4.1) 4.2) 4.3) 4.4) 4.5)	for the content of the course or the courses. The type of this performance assessment is suitable for the competencies defined in the learning outcomes. The type of this performance assessment is suitable for the contents that were tested. The type of this performance assessment allowed	all 1=does not apply at all 1=does not apply at all	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6=totally applies	av_=4.17 md=4 dev.=1.5 n=22 av_=4.09 md=4 dev_=1.6 ab_=1 n=22 av_=5 md=5 dev_=1.07 ab_=1 n=23 av_=3.91 md=4
4.1) 4.2) 4.3) 4.3) 4.4) 4.5)	for the content of the course or the courses. The type of this performance assessment is suitable for the competencies defined in the learning outcomes. The type of this performance assessment is suitable for the contents that were tested. The type of this performance assessment allowed me to apply the acquired competencies. The type of this performance assessment is appropriate for measuring the extent to which the	all 1=does not apply at all 1=does not apply at all 1=does not apply at all 1=does not apply at all	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6=totally applies 6=totally applies 6=totally applies	av.=4.17 md=4 dev.=1.5 n=22 av.=4.09 md=4 dev.=1.6 ab.=1 n=22 av.=5 md=5 dev.=1.07 ab.=1 n=23 av.=3.91 md=4 dev.=1.44

^{5.2)} By completing this performance assessment, I feel encouraged in my learning.	1=does not apply at all	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6=totally applies	n=23 av.=4 md=4 dev.=1.41
^{5.3)} I have significantly developed my competencies by achieving the learning outcomes.	1=does not apply at all	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6=totally applies	n=22 av.=4.18 md=4 dev.=1.18 ab.=1
^{5.4)} Because of the preceding course or courses, I would assess my personal learning success as convincing.	1=does not apply at all	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6=totally applies	n=23 av.=4.74 md=5 dev.=1.21
^{5.5)} I think that, even a month after this performance assessment, I will be able to remember the essentials from this course/these courses.	1=does not apply at all	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6=totally applies	n=23 av.=4.78 md=5 dev.=0.95
^{5.6)} After this performance assessment, I am able to convey the most important insights into the topic to a fellow student.	1=does not apply at all	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6=totally applies	n=22 av.=4.95 md=5 dev.=1.09 ab.=1

Profile Line for Indicators

Subunit:

Name of the instructor: Name of the course: (Name of the survey) Phil.-nat. Fakultät Prof. Dr. Oscar Nierstrasz Einführung in Software Engineering (LK2420)



Profile

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Phil.-nat. Fakultät

Name of the instructor: Name of the course: (Name of the survey) Prof. Dr. Oscar Nierstrasz

rse: Einführung in Software Engineering (LK2420)

Values used in the profile line: Mean

1. General information 1.3) Organizational information about the 6=totally 1=does not n=23 av =5.57 md=6.00 dev.=0.95 performance assessment was available well in apply at all applies , advance. I could register for the performance 1.4) 1=does not 6=totally av.=5.43 md=6.00 dev.=0.90 n=23 assessment without any complications apply at all applies I was content with the external conditions of 1.5) 1=does not 6=totally n=22 av =5.27 md=5.50 dev.=0.88 the performance assessment (room etc.) apply at all applies 2. Coherence of learning outcomes - activities - content of exam 2.1) I was aware of the learning outcomes to be 1=does not 6=totally n=23 av.=4.65 md=5.00 dev.=1.07 achieved in preparation for this performance apply at all applies assessment Achieving the learning outcomes helped me prepare for the performance assessment. 2.2) 6=totally 1=does not n=23 av.=4.74 md=5.00 dev.=1.18 apply at all applies 2.3) The learning outcomes of the course or the 6=totally 1=does not n=23 av.=4.43 md=5.00 dev.=1.34 courses were reflected in the examination apply at all applies tasks. 2.4) The content covered in the course or the 1=does not 6=totally av.=4.65 md=5.00 dev.=1.37 n=23 courses prepared me appropriately for the apply at all applies performance assessment 2.5) The structure of the learning content in the 1=does not 6=totally n=23 md=5.00 dev.=1.18 course or the courses was conducive to the understanding of the topic. av.=4.74 apply at all applies 2.6) The course materials to assist learning (scripts, handouts, slides, exercises, course books, literature etc.) were useful in preparing for the 1=does not 6=totally md=6.00 dev.=0.92 n=23 av.=5.26 apply at all applies 2.7) The learning activities offered in the course or 6=totally 1=does not n=23 av.=4.39 md=4.00 dev.=1.41 the courses (application examples, exercises, Q&A sessions etc.) were helpful in preparing apply at all applies Feedback on my learning level that I received in the course or the courses encouraged me to 2.8) 1=does not 6=totally n=15 av.=4.13 md=4.00 dev.=1.36 apply at all applies study The teaching methods used in the course or the courses effectively supported me in achieving the learning outcomes. 2.9) 1=does not 6=totally n=21 av.=4.10 md=4.00 dev.=1.48 apply at all applies A common thread, linking the learning outcomes, learning activities and performance assessment, was noticeable. 2.10) 1=does not 6=totally n=20 av.=4.50 md=4.50 dev.=1.28 apply at all applies 3. Preparation for the exam 3.1) I started preparing for the performance 1=does not 6=totally n=23 av.=3.09 md=3.00 dev.=1.56 assessment early on in the semester apply at all applies 3.2) When preparing for the performance 6=totally 1=does not n=23 md=5.00 dev.=1.47 av.=4.43 assessment, I used the defined learning apply at all applies outcomes as a guide. My learning strategies turned out to be useful in preparing for the performance assessment. 3.3) 1=does not 6=totally md=5.00 dev.=1.04 n=20 av.=4.65 apply at all applies 3.4) I focused on the most important points when 6=totallv 1=does not n=22 =4.95 md=5.00 dev.=1.17 av. preparing for the performance assessment. apply at all applies I took any opportunity provided during the course or the courses to assess my learning 3.5) 1=does not 6=totally n=18 av =3.61 md=3.00 dev =1.69 apply at all applies level in relation to the learning outcomes. 3.6) I regularly prepared for the sessions. 6=totally 1=does not n=23 av.=3.61 md=3.00 dev.=1.75 apply at all applies

3.7) I regularly reviewed the material after the sessions.

27.01.2021

6=totally

applies

n=23

1=does not

apply at all

av.=4.00 md=4.00 dev.=1.78

3.8) With regard to the performance assessme used the available course information as could.	ent, I 1=does not best I apply at all	6=totally applies	n=22 av.=4.36	6 md=4.50 dev.=1.40
4. Suitability of the type of exam	1			
4.1) The type of this performance assessment suitable for the content of the course or th courses.		6=totally applies	n=23 av.=4.17	′ md=4.00 dev.=1.50
4.2) The type of this performance assessment suitable for the competencies defined in t learning outcomes.		6=totally applies	n=22 av.=4.09	md=4.00 dev.=1.60
4.3) The type of this performance assessment suitable for the contents that were tested.	is 1=does not apply at all	6=totally applies	n=22 av.=5.00) md=5.00 dev.=1.07
4.4) The type of this performance assessment allowed me to apply the acquired competencies.	1=does not apply at all	6=totally applies	n=23 av.=3.91	md=4.00 dev.=1.44
4.5) The type of this performance assessment appropriate for measuring the extent to w the learning outcomes have been achieved	hich apply at all	6=totally applies	n=23 av.=4.13	8 md=4.00 dev.=1.46
5. Learning success				

- ^{5.1)} This performance assessment showed me that I have achieved the learning outcomes.
- ^{5.2)} By completing this performance assessment, I feel encouraged in my learning.
- 5.3) I have significantly developed my competencies by achieving the learning outcomes.
- 5.4) Because of the preceding course or courses, I would assess my personal learning success as convincing.
- 5.5) I think that, even a month after this performance assessment, I will be able to remember the essentials from this course/
- 5.6) After this performance assessment, I am able to convey the most important insights into the topic to a fellow student.

1=does not apply at all			 6=totally applies	n=20	av.=4.65	md=5.00	dev.=1.23
1=does not apply at all			 6=totally applies	n=23	av.=4.00	md=4.00	dev.=1.41
1=does not apply at all			 6=totally applies	n=22	av.=4.18	md=4.00	dev.=1.18
1=does not apply at all			 6=totally applies	n=23	av.=4.74	md=5.00	dev.=1.21
1=does not apply at all		┥	 6=totally applies	n=23	av.=4.78	md=5.00	dev.=0.95
1=does not apply at all			6=totally applies	n=22	av.=4.95	md=5.00	dev.=1.09

Comments Report

6. Your comments

- ^{6.1)} General remarks about the performance assessment:
- Das Projekt nahm im Verhältnis zu de theoretischen Inhalten einen zu grossen zeitlichen Raum ein, wobei viel Zeit dafür aufgewendet werden musste, sich mit neuen Technologien auseinanderzusetzen. Da das Lernen von Angular/Express kein eigentliches Lernergebnis dieser Veranstaltung ist, sollte es aufwandmässig weniger gewichtet werden. Zudem setzt sich die Note aus Prüfungs-/ und Projektnote zusammen. Die Projektnote erachte ich als problematisch, da sie nicht den persönlichen Beitrag bewertet, sondern den des gesamten Teams und nicht aufgeschlüsselt wird, wer was beigetragen hat.
- EACH TIME I HAD TO FILL SOME GOOGLE MODEL I HAD TO SING IN WITH MY GOOGLE ACCOUNT, I REALLY DID NOT LIKE THAT PART! OTHER THEN THAT THE COURSE WAS VERY NICE AND FUN, THANK YOU AND THE TEAM!
- I think there were a bit too many questions, and some of them require us to really think about and be creative. Maybe a few questions or adding more time would be a really great result. Otherwise, the questions were really clear and very well structured.
- Ich finde es grundsätzlich gut, dass zusatzlich zum Projekt eine Lernkontrolle durchgeführt wurde. Allerdings sollte die Gewichtung der beiden Leistungskontrollen etwa dem Verhältnis der jeweils aufgewendeten Zeit entsprechen. Natürlich war es jedem freigestellt, nocheinmal das 1.5 fache des Zeitaufwandes des Projektes in die Vorbereitung der Lernkontrolle zu investieren. Das ist für mich jedoch unrealistisch zumal der Lernstoff wohl kaum für so eine lange Vorbereitungszeit ausreichen würde. Das Projekt hat mir sehr gut gefallen und ich teile die Ansicht gewisser Mitstudenten, dass Angular hätte erklärt werden sollen, nicht. Dazu gibt es schon genug Dokumentationen und Tutorials.
- Leistungskontrolle ok der andere teil der die note ausmacht nicht
- The exam was really fair and checked if we got the whole lecture and could grasp all the concepts and techniques we learned throughout the semester. The exam was as I expected it. There were no trick questions or really small details asked but there were questions about almost all different lectures, which was nice. If only more lectures had such good exams where you really can check if you understood the whole lecture.
- There were way too many questions for the time spent on the actual exam.
- Well organized and conducted!
- die Leistungskontrolle zu diesem Kurs war deshalb merkwürdig, weil auch der Kurs merkwürdig war. Es war als hätten wir 2 Kurse in einem,

einerseits die Übungen, die den grössten Teil (sicher 80%) des Aufwandes ausmachte und auch extrem schwierig war, daneben die Vorlesungen, die nur am Rande etwas mit den in den Übungen erlernten Kompetenzen zu tun hatte. Zweitere wurden dann auch in der Prüfung getestet, was m.E. wenig Sinn macht.

Einführung in Software Engineering (LK2420)

Responses = 23 questionnaires

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