## Prof. Dr. Nicolas Borghini 285470 Nonequilibrium Physics (428508500|189816) Erfasste Fragebögen = 8 Legende Relative Häufigkeiten der Antworten Std -Abw Mittelwert Median n=Anzahl mw=Mittelwert md=Median s=Std.-Abw. E.=Enthaltung 259 0% 50% 0% 25% Fragetext Linker Pol Rechter Pol 3 2 4 5 Skala Histogramm 1. General questions 75% 25% 0% 0% 0% 1.1) n=8 mw=1.3 md=1 s=0.5 The whole lecture follows a clear and structured strongly agree strongly disagree Hconcept ("golden thread"). 1 4 F 100% 0% 0% 0% 0% <sup>1.2)</sup> The teaching material is generally well taught. n=8 strongly agree strongly disagree mw=1 md=1 s=0 5 50% 50% 0% 0% 0% 1.3) A sufficient number of descriptive examples are n=8 strongly agree strongly disagree mw=1.5 md=1.5 s=0.5 given (e.g. phy. experiments, applications, math. derivations and equations). 2 3 4 5 87.5% 12.5% 0% 0% 0% 1.4) Interposed questions are taken into account and are n=8 strongly agree 1 strongly disagree mw=1.1 md=1 s=0.4 answered in an understandable manner. 3 4 F 33.3% 16.7% 50% 0% 0% n=6 1.5) Examination requirements and criteria for credit strongly disagree strongly agree mw=2.2 md=2.5 points are made transparent. s=1 E.=2 3 4 5 87.5% 12.5% 0% 0% 0% 1.6) n=8 mw=1.1 md=1 s=0.4 Not only individual facts are taught in the lectures, strongly disagree strongly agree **14** but also connections of covered contents. 2 3 4 5 1 0% 60% 20% 20% 0% n=5 1.7) The accompanying activity (e.g. tutorial) contributed mw=2.6 md=2 strongly agree strongly disagree н to the learning success. s=0.9 E.=3 <sup>1.8)</sup> Where do you see opportunities for improvement in the course? Maybe on could give references to chapters in the lecture notes when discussed in the lecture. Upload the script earlier, also the excercise sheets can be uploaded one or two days earlier before the tutorial 2. Questions about used Media in the lecture. n=7 mw=1.1 md=1 s=0.4 E.=1 85.7% 14.3% 0% 0% 0% 2.1)

<sup>2.2)</sup> The teaching materials (slides, videos, scripts) were ea	sily accessible.			
	Yes		100%	n=8
	No		0%	
<ul> <li><sup>2.3)</sup> The digital media used in the online course supported my teaching process reasonably.</li> </ul>	strongly agree		strongly disagree	n=3 mw=1 md=1 s=0 E.=5
<ul> <li><sup>2.4)</sup> Which learning materials would you like to have been p</li> <li>Articles with this content applied</li> </ul>	rovided in additi	ion to the existing ones?		
<ul> <li><sup>2.5)</sup> Would you like different or more online material?</li> <li>Maybe some videos for explanation</li> </ul>				
3. Questions about the lecturer				
<sup>3.1)</sup> The lecturer seems motivated.	strongly agree	100%         0%         0%         0%         0%           1         2         3         4         5	strongly disagree	n=8 mw=1 md=1 s=0
<sup>3.2)</sup> The lecturer is easy to understand in the audio and video recordings (if available) (pronunciation, volume, etc.).	strongly agree	100%         0%         0%         0%         0%           1         2         3         4         5	strongly disagree	n=6 mw=1 md=1 s=0 E.=1
<sup>3.3)</sup> The pacing of the lecture is	too high	0% 37.5% 50% 12.5% 0%	too low	n=8 mw=2.8 md=3 s=0.7
<sup>3.5)</sup> The lecturer gives enough literature references.	strongly agree		strongly disagree	n=8 mw=1.8 md=1.5 s=1
<sup>3.6)</sup> I recommend the lecturer.	strongly agree		strongly disagree	n=8 mw=1 md=1 s=0
<ul> <li><sup>3.7)</sup> Comments:</li> <li>lecturer is awesome and always highly motivated</li> <li>some literature references regarding partly unanswered questions aim the connections between this course and</li> </ul>	questions from t cosmology etc.	the audiences would be helpful so	metimes. For exa	ample wher
4. Demand and effort				
<sup>4.1)</sup> The requirement of the lecture is:	too high	0% 28.6% 71.4% 0% 0% 1 2 3 4 5	too low	n=7 mw=2.7 md=3 s=0.5
<ul> <li><sup>4.2)</sup> The amount of time necessary for preparation and review is:</li> </ul>	too high	0% 12.5% 87.5% 0% 0% 1 2 3 4 5	too low	n=8 mw=2.9 md=3 s=0.4

4.3)	The levels of the problem sheets are:	too high	0% 16.7% 83.3% 0% 0% too low	n=6 mw=2.8 md=3 s=0.4 E.=2
4.4)	I sufficiently revise the lecture during the semester.	strongly agree	0% 33.3% 16.7% 33.3% 16.7% strongly disagree	n=6 mw=3.3 md=3.5 s=1.2 E.=1
4.5)	I visited all required preceeding lectures.	strongly agree	87.5% 0% 0% 0% 12.5% strongly disagree	n=8 mw=1.5 md=1 s=1.4
4.6)	It is possible to understand the lecture with the knowledge obtained in the required preceeding lectures.	strongly agree	62.5% 37.5% 0% 0% 0% t t 1 2 3 4 5 strongly disagree	n=8 mw=1.4 md=1 s=0.5
4.7)	For physics students in a teaching degree: I have attended all the required preceeding lectures and do not feel at a disadvantage	strongly agree	100%         0%         0%         0%           1         2         3         4         5	n=1 mw=1 md=1 s=0 E.=6
4.9)	My educational background is sufficient to understand this lecture.	strongly agree	62.5% 12.5% 25% 0% 0% 62.5% 12.5% 25% 0% 0% 5 strongly disagree 1 2 3 4 5	n=8 mw=1.6 md=1 s=0.9
4.10)	My participation in exercises and tutorials is adequate (if applicable).	strongly agree	0% 60% 20% 20% 0% 1 2 3 4 5	n=5 mw=2.6 md=2 s=0.9 E.=3
4.11)	I understood the content of the lecture.	strongly agree	50% 50% 0% 0% 0% 50% 50% 0% 0% 0% 50% 50% 0% 0% 0% 50% 50% 0% 0% 0% 0% 0% 50% 50% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0	n=8 mw=1.5 md=1.5 s=0.5
4.12)	I understood why the topics were discussed and how they will be relevant later.	strongly agree	50% 25% 25% 0% 0% 50% 25% 25% 0% 0% 50% 1 1 2 3 4 5 50% 25% 25% 0% 0%	n=8 mw=1.8 md=1.5 s=0.9
4.13)	For physics students in a teaching degree: In my opinion, the content of this lecture is relevant for teaching at school.	strongly agree	0% 0% 100% 0% 0% t t t t t t t t t t t t t t t t t t t	n=1 mw=3 md=3 s=0 E.=5
4.14)	Are there any problems with understanding certain topic	s in the lecture	?	
	Some derivations are bit out of context			
5.	How do you work for the course?			
5.1)	Revising with notes/script.	strongly agree 📙	85.7% 0% 0% 0% 14.3%	n=7 mw=1.6 md=1 s=1.5 E.=1

<sup>5.2)</sup> I revise the lecture with the help of:					
	study groups			50%	n=8
	alternative scripts			12.5%	
	private tutoring			0%	
	online videos			12.5%	
	further literature			25%	
	given literature			62.5%	
<sup>5.4)</sup> My time spent on exercises, preparation and follow-up	work outside the	e event is (per week):			
	<1h			0%	n=8
	1-3			25%	
	3-5			25%	
	5-8			12.5%	
	>8h 🤇			12.5%	
	n.s. 🤇			25%	
6. Questions about the evaluation of the exercise gr	roups				
<sup>6.1)</sup> Which exercise group are you in?					
				٦ 100%	n=5
Concerning the exercise groups:					
<ul> <li><sup>6.2)</sup> The exercise group contributes to the understanding of the content.</li> </ul>	strongly agree		0%	strongly disagree	n=5 mw=1.6 md=2 s=0.5 E.=3
			5 		
<sup>6.3)</sup> The discussion of the problem sheets is well done.	strongly agree		5	strongly disagree	n=5 mw=2.8 md=3 s=0.8 E.=3
<sup>6.4)</sup> The marking (points) of the problem sheets is adequate and fair (if applicable).	strongly agree	0% 66.7% 33.3% 0%	0%	strongly disagree	n=3 mw=2.3 md=2 s=0.6 E.=5
<sup>6.5)</sup> The time for further questions is sufficient.	strongly agree		5	strongly disagree	n=4 mw=1.5 md=1 s=1 E.=3
<sup>6.6)</sup> The size of the exercise groups allows efficient work.	strongly agree			strongly disagree	n=5 mw=1.2 md=1 s=0.4 E.=3
<ul> <li><sup>6.7)</sup> Presence-exercises (if available) help to understand the lecture content.</li> </ul>	strongly agree		<u> </u>	strongly disagree	n=5 mw=1.4 md=1 s=0.5 E.=3
Concerning the tutor:					



- It's a bit chaotic because Travis [unreadable] and comes back in January
- the difference of workload between some exercises is quite big (some sheets are quite simple, while others are way more complex (still doable))

## 7. General questions about the students

<sup>7.1)</sup> How many semesters do you study physics:

1/2	0%	n=8
3/4	0%	
5/6	0%	
7/8	25%	
9/10	12.5%	
11/12	 37.5%	
>12	 25%	
<sup>7.2)</sup> The next aspired degree.		
BA Physics	0%	n=6
BA Biophysics	0%	
BA Nanophysics	0%	
MA Physics	66.7%	
MA Biophysics	0%	
MA Nanophysics	0%	
BA Education in Physics	0%	
BA Physics minor	0%	
Other	16.7%	
MA Education of Physics	0%	
MA MTP (	16.7%	

<sup>7.3)</sup> Other:			
PhD (2 Nennungen)			
PhD Physics			
<sup>7.4)</sup> What were your main motivations for visiting this lecture (multiple and	wers possible).		-
Compulsory lecture		0% n=8	
Elective lecture		50%	
Lecture for individual studies		25%	
personal Interest		87.5%	
<sup>7.5)</sup> Gender:			-
male		87.5% n=8	
female		12.5%	
divers		0%	
n.s.		0%	
<sup>7.6)</sup> Do you feel discriminated in any way during this lecture or did you no	tice any discrimination towards certai	n persons or groups?	-
Yes		0% n=8	
No		) 100%	
n.s.		0%	

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