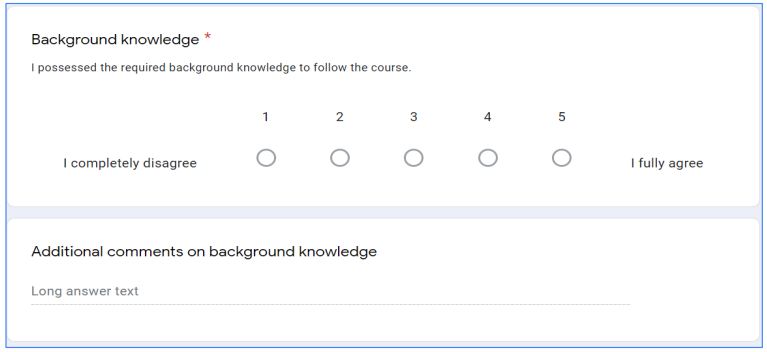
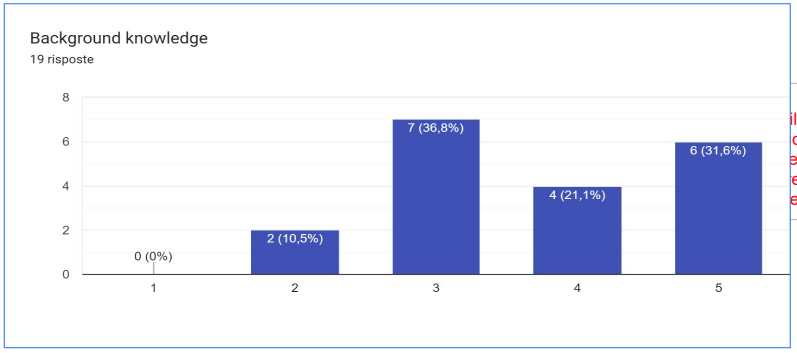
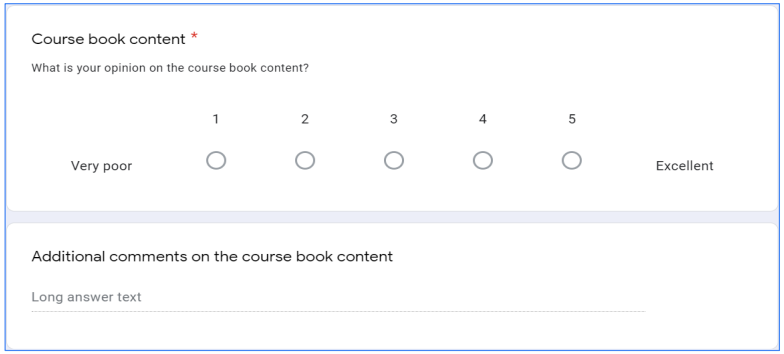
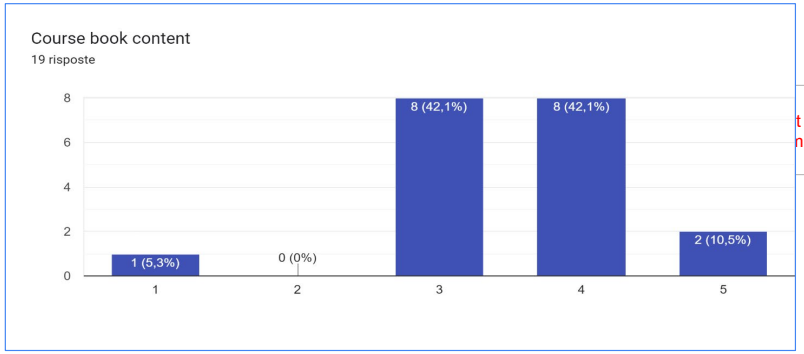




Comment:
ilar to previous years, the
dents attending EJ2201
e a wide background, but
e is a good improvement
eople that feels are more

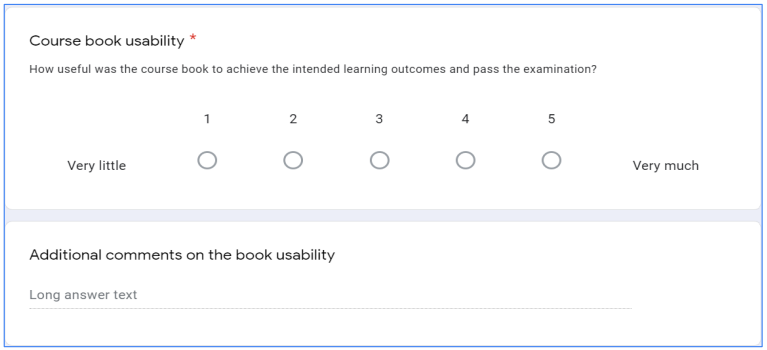
Background knowledge	4	5	5	3	5	3	4	3	2	3	4	5	4	5	3	3	3	5	2
Additional comments on background knowledge							My knowledge around the control part needed some revision.		nil	i didn't had background for controls implementation in matlab	In this course, the teacher conducted a survey on background knowledge and explained some of it in the course and tutorial, so it is relatively friendly to people who lack background knowledge				I think the knowledge was supposed to be sufficient but the adaptation to the teaching style and the concepts was not easy. I could not link that to my background knowledge easily		My bachelor's is electrical power, but I'm not familiar with the machine because I already graduated from college 10 years ago and I currently work in a power grid company.		those who come from an electrical engineering background have an easier time

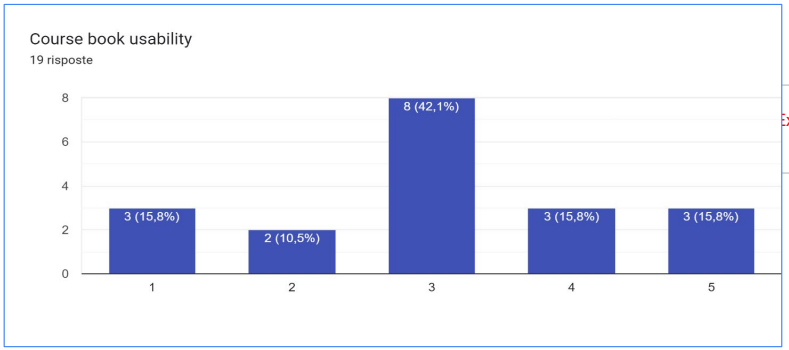




Comment:
t much to add, until the
npendium of the course

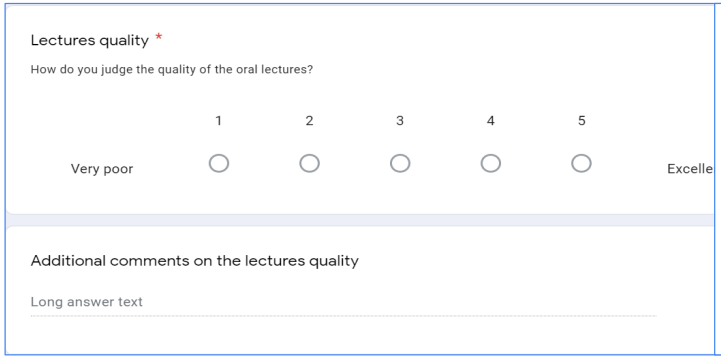
Course book content	5	5	3	4	4	4	1	4	3	4	4	3	3	3	4	3	4	3	3
Additional comments on the course book content					There are only slides for each lecture. It would be nice if we have our own compedium. I believe prof. Peretti is working on that.		There is no course book.		nil			I did not use the book.The material on canvas was enough if I had to go back and review something	I never read anything in the course book...	I didn't use it	amaze by the content. Unfortunately , i was not smart enough to understand and fully apprehend			I did not really use the course book but rather the lecture material	i dont think anybody read it, but i dont especially mind either

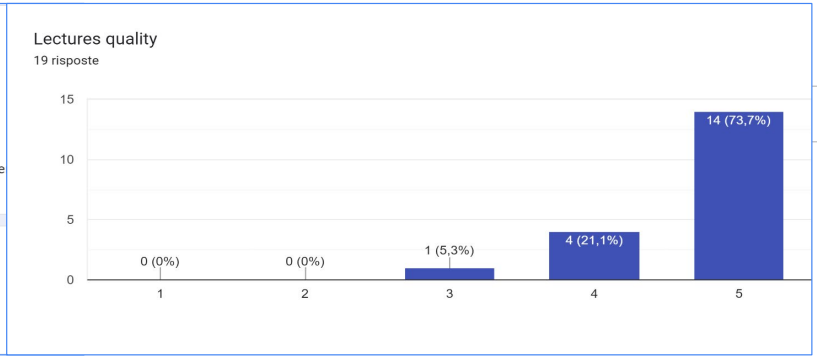




Comment:
Expected result, it will change when we have a

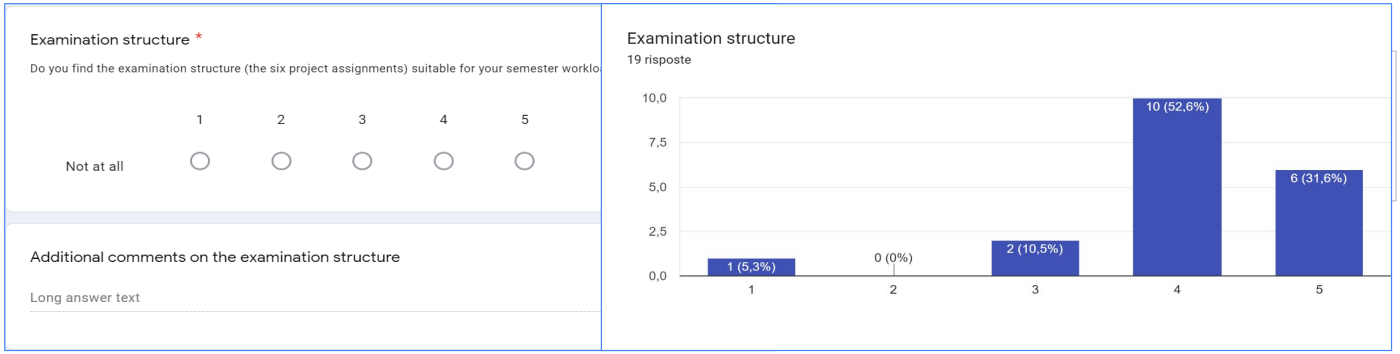
Course book usability	5	3	2	4	5	3	1	3	3	5	4	1	3	3	1	2	4	3	3
Additional comments on the book usability							There is no course book.		nil	I don't know about intended learning outcomes but it helped me understand inner and outer control loops systems(fast and slow dynamic - cascade control)			I never read anything in the course book...	Didn't use it	If by course book you are talking about the kraus book and fitzgerald book, it was really useless.			-	



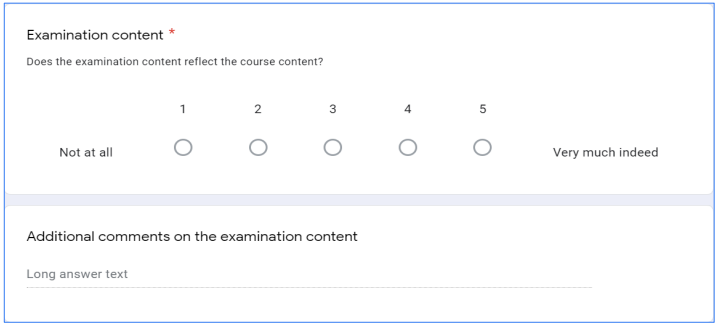


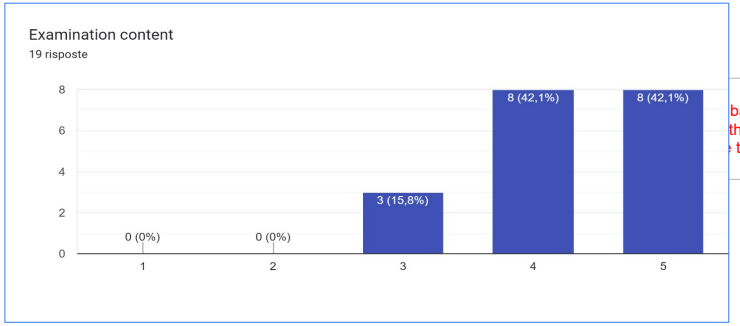
Comment:
Thank you.

Lectures quality	5	5	5	5	5	3	5	5	5	4	5	5	5	4	5	5	4	5	4
Additional comments on the lectures quality							The lectures' quality was very good.		clear and neat lecture notes			The powerpoint was followable and understanding. The recordings was my key for learning and review the details.	I loved the lectures!! Good presentations and an engaged professor does a lot	It was sometimes tough for me to follow live but easier when I read the slides	I believe the idea of recording the lectures is the greatest innovation regarding teaching. All lecturers should adopt that approach.		Actually, Luca teaching is great, but I still cannot follow the lecture, because of my lack of knowledge in machine		Luca is a good lecturer (pretty funny & i really like the end-slides of each lecture!), but the lay-up of the lectures themselves is not the best. Oftentimes, students were bored and lost because the lectures were just 10 slides of derivations of expressions and equations, while the actual context and usefulness was oftentimes unclear. As a person who had no real interest in electrical machines before the course, i can honestly say that the lectures didn't really help with that. Maybe its because the basics werent properly explained from the beginning, so i got lost. Im also, humbly, a very bad student in terms of going to lectures and taking notes and stuff so maybe im an outlier in this



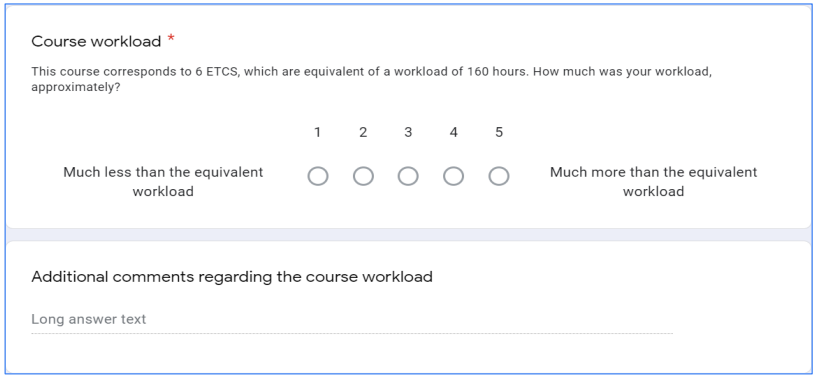
Examination structure	5	5	4	1	4	5	4	4	3	3	4	5	4	4	5	4	4	5	4
Additional comments on the examination structure					Examination structure is perfect. It makes me exhausted, but I feel satisfied about it.		It was okay. The instructions were in some points a bit vague and very open to individual interpretation .		I spent a lot of time on the 2 project assignments, much more than the other modules. These 2 projects are really hard.	even though it was suitable for the workload it should have been more guided and system assignments so there would be flow among the topics. The models for PMSM and IM were directly given. so instead of this, you should have given us an assignment to build mathematical models in Simulink and then the second assignment would be like verify it with the analytical model.			I liked it, but I would prefer it to be a group project since there were many parts and us students did work together anyways, we only had different parameters and wrote inidvidual reports.	I didnâ€™t need to learn the parts that wasnâ€™t needed for the project	I find it is really suitable, but it would have been much more is somehow related questions were solved before. A student like me who comes from a background with very little or no knowledge of MATLAB at all will find it very difficult				In terms of workload, it would be better if the first deadline wasnt so close to the P1 exams. like it could have been put like 2 weeks before the exams. Now we didnt really get any break between periods to relax :(Otherwise its perfect that the fall courses mix exams with projects & very appreciated

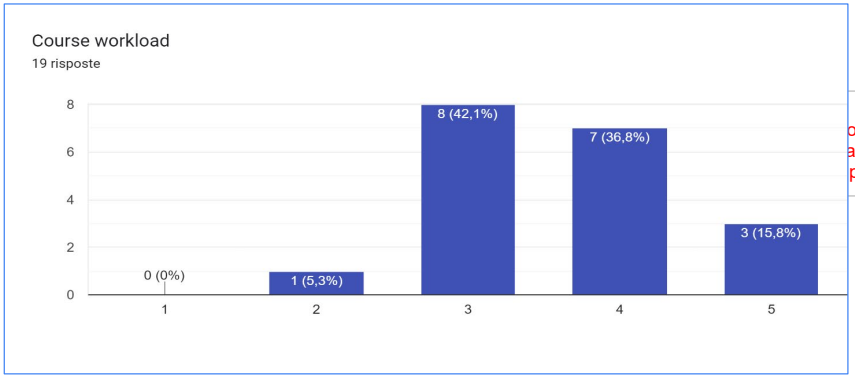




Comment:
bad, some more help
the basics on how to
the Matlab/Simulink

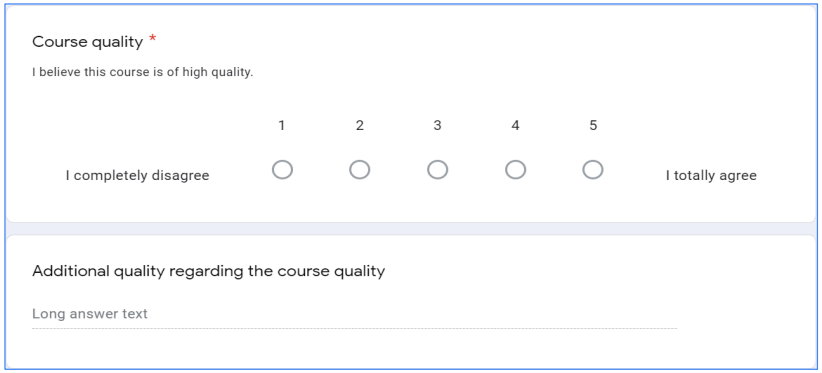
Examination content	5	5	4	5	5	4	4	4	3	3	5	5	5	3	4	4	4	5	4
Additional comments on the examination content									Suggest more help on the PID control of the DC motor.	Nope, models were directly provided by you.		Two project was perfect. Having more project and deadline easy leads to just get it done and not really reflecting and getting the time to be cook the curiosity. For the first time constantly kept asking my self "what happens if I do this?" I tried it out. Having something practical and writing a report was also a very good idea. The report helpt me to collect my thought and learning while at the same time working practical.		It was more about the drives than the actual machine	No comment.				Hmm idk but if i could design the examination, i would focus more on making sure that the students study the basics first. Maybe like one short basic exam on E-level that cover the basic concepts, combined with 1 longer or 2 shorter projects that allow students to demonstrate their more advanced skills. If you're a lazy and uninterested student like me (only when it comes to machines; im pretty motivated in other courses), its easy to get good grades in the project assignments with some help from friends and the lecture notes without actually understanding anything at all. this is of course not ideal. Also - big thing - the examination had no real grading criteria??! We got our grades back based on criteria which hadnt be showned beforehand? Im not sure thats even "legal" according to KTH rules, but mostly its very confusing and its hard to know what is expected of us. Example: Someone said that you had said in conversation that it was suitable to include a Bode diagram to show understanding- but then in the criteria, that was apparently not good at all and we were supposed to derive the value analytically instead. It'd be much appreciated if the students could get some sense of what is expected for each grade. even an example project from last year would help. Addiditionally, too much emphasis was put on the figure text size and font. I dont get it, it doesnt really seem that relevant that it lowers your entire grade :) maybe it would be justifiable to lower students grades over this if it was clearly stated in the grading criteria beforehand...

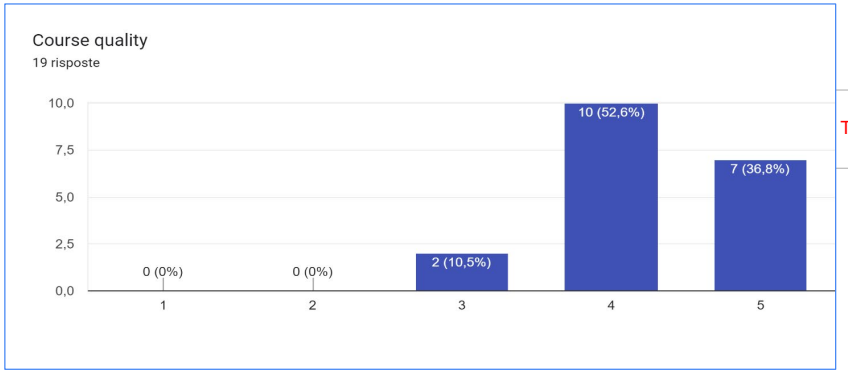




Comment:
ooks ok, be slightly
alanced towards the
pper side, but not

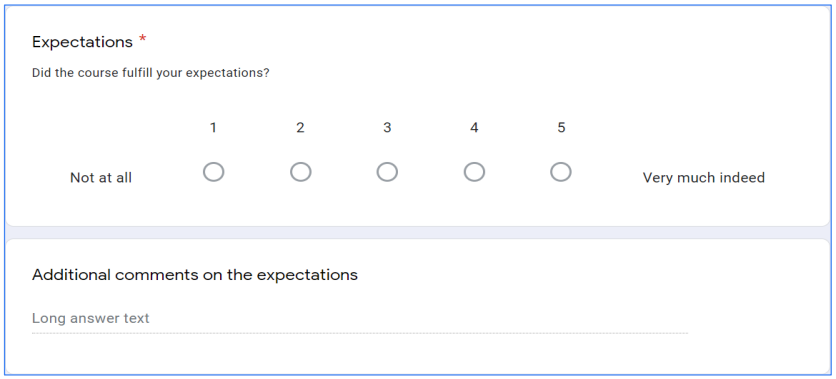
Course workload	3	3	3	5	4	3	3	4	5	4	4	3	3	4	5	2	4	3	4
Additional comments regarding the course workload					it took hours to review the materials, and also for me it took hours to create good reports.		It was okay.		spent a lot of time making the simulation models to work.			It was reasonable.		The work was not so even distributed	I can not give an exact number but i studied really hard				

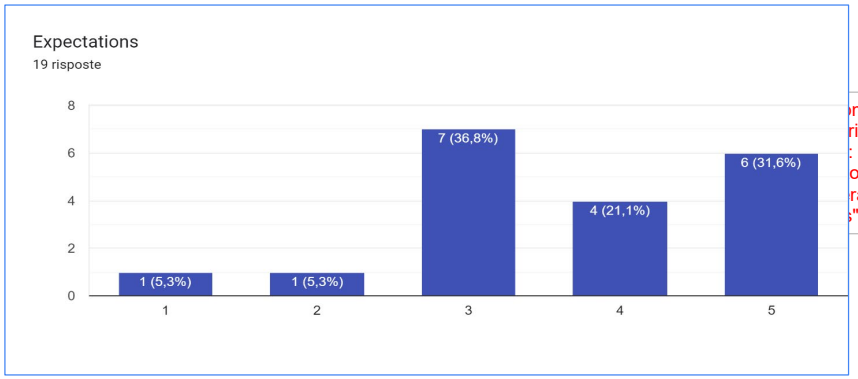




Comment: Thank you. Can always be

	5	4	3	4	5	5	4	4	5	4	5	5	4	4	4	4	4	5	3
Additional comments regarding the course quality					Yes yes yes...!!!				Nil					The professor knows his subject well and the content covered everything important					I really really like Luca as a lecturer (and person, he seems really cool) but this course did nothing to awaken an interest in electrical machines (which i assume is like half of the point of these basic fall courses). I think it might absolutely be an amazing course for students who already like and appreciate electrical machines, but for the rest of us, there is much room for improvement.





mment:
rising but it has
: some students
o see more
rators" and
". I'll see what I

Expectations	5	5	3	3	4	5	1	3	4	4	5	5	3	2	4	3	3	5	3
Additional comments on the expectations					I hope professor Peretti also offers machines act as generators. AVR and PSS are also important advanced topics. But, maybe separate course from EJ2201.		It was more control oriented and less or not at all machines oriented. Furthermore, motors are not the only type of electrical machines. Generators and transformers are also types of electrical machines and they were not mentioned during this course. The course itself was very good but it was all about the control part of motors.	I hope for some exposure to the other electric machine types: Generator. But, overall, it is OK.	Exceed expectation.				I was more technical than I expected (but I believe that's for the best hahaha), and no exercise classes (Ã¶vningar) which I'm used to in other courses	Maybe I hoped that I would be more interested in machines	my expectations were fulfilled. I learned a lot through this course. I will claim at least that i am not dumb with respect to electric machines and drives.				

What was best?		1. Uploading the lecture on Canvas so that students, due to any reasons have missed attending, can always refer back to them. 2. Choosing Projects (which require understanding of concepts) as criteria for passing the course rather than a written exam. 3. Support lectures		course material is well-orginaized, professor answered quickly to the mail	Well-stuctured course, with challenging assignments. And there is project supports, which is very helpful. The recording lectures are also very helpful. Kudos, professor.!!!		The lectures and the projects concept were good.	1. The class provides recording lectures. That is really helpful. 2. A new approach or updated point of view for the electric machine. 3. The lecture about the reference frames and space vectors is really good. 4. The class provides the necessary materials. This is very good. 5. I like the traveling suggestions at the end of the class.	Lecturer passion about motors. interesting project assignment on washing machine	it helped me understand inner and outer control loops systems(fast and slow dynamic - cascade control)	This course takes into account the supplement of background knowledge, and the teacher adopts various methods to ensure that students can smoothly complete the course (including course recording and a number of assignment support).	Luca Peretti	Interesting and fun lectures, real-life applications and connections to sustainability in the industry.	The funny slides and the examination	The lectures		The matlab and simulink thing is the best, i learned a lot from those assignments	Project based examination allows you to learn while doing and I think that the knowledge sticks for longer this way. Thats great! It was also nice to learn Simulink	Luca is amazing! Im very critical in this review, but i just want to really underline that Luca wasnt the problem and that the general feeling is that all students like him and many look up to him. im sure hes a very chill and cool mentor for those who want to continue study electrical machines	
What was worst?		Honestly, none (to me atleast)		Exam content should be written in the same file, for example: the main part of the control of the symchronous machine is not written in the formal way in the exam description. it should be summarized all in one page in the text	Nope		It was all about control and motors. No transformers, no generators and nothing in a steady state.	Nothing.	long hours on the project.	models were directly provided by you.	There is no obvious bad part.	Getting started with the assignment.	Only apply knowledge to projects, and having no exercise lessons (good to have an opportunity to try calculating stuff without being graded)	The time consuming pictures in matlab	The examination				examination was confusing and i didnt learn much (which of course is 99% my fault)	

Do you have suggestions for improvements?		1. For the induction motor assignment, from my perspective, it would have been better if the design of the model would have been made by students themselves rather than changing few parameters from the readily available model and obtain graphs. 2. Increased number of labs to get used to hands-on work, instead of once in a while lab.		The exam content is not clear enough	Study visit to Vasteras, where Prof. Peretti spent his professional career.			More laboratory practice activities	nil		I'm not sure if this is better: the arrangement for assignment support can be more dispersed, which may be more suitable for students with different levels of knowledge mastery.	Have one or two the assignment support earlier to help the student bring down the mountain earlier. Not being used to project courses and just reading the instructions it kind of felt like "where do I start?" and then it can lead to some procatination because you kind if freeze not knowing where to start.	I would like to have exercises in this course, to do some calculations before the project, since there's a big jump going from lectures to project. Also you kinda forget most of the lectures after some days, so I needed to do some repetition before I could start with the project, which probably could have been prevented if we did some "warming up" exercises.	Some partial exams too and a smaller project	I believe for the examinations, you could find a way to solve related problems in class to make it easy for student with no background in programming and poor background in electrical machines.(it might not have been thier fault to be taught by poor teachers back in thier countries)		The examination structure is great, I can get a lot of lessons from doing this examination. But it is very hard because I don't understand anything at first. I suggest that there are some practices to guide the examination. in the middle of the course.	More detailed project descriptions like the one for project 2. I realize that that might not be the way it is in the work life but for learning it seems better.	make a KS on E level	
Final comments on the course		Good learnings drawing interest in the subject. Extremely Excellent teaching and support by one of the cool professors - Luca.			Prof. Peretti, I believe he is one of the coolest lecturer in EECS. He has very deep knowledge in electrical machines and drives, and he has style in teaching.			I think this is one of the best classes I have had at KTH until now. Keep the best. Thank you, Prof!	nil			I enjoyed this course and learned a lot. Thank you for that. I do recommend this course for all students in Electric Power Engineering	Thank you for being such an engaged, flexible and student oriented professor! We appreciate it a LOT to have such a fantastic lecturer	I have learned much about writing professional reports	Thank you sir, i just wish i will pass the course with a higher grade than D.			Great course!		