Skolan för Elektro- och Systemteknik

Aktuella utvärderingar
Administrera
Hjälpsida

Resultat av: Project Course in Signal Processing and Digital Communications, 2E1367, VT2007

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Antal svar: 15
Procent av deltagarna som svarat: 100%
Kontaktperson: Per Zetterberg

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1. The course was useful and interesting, 1. Do not agree at all .... 5 Agree completely

15 svarande

1	1	6%
2	0	0%
3	0	0%
4	3	20%
5	11	73%

- Learned alot about programming and DSP. Finally I get use of what I learned in previous courses. Now when doing all theory in practice it was much more interesting. (5)

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2. Your prerequisits were adequate

15 svarande

1	1	6%
2	1	6%
3	3	20%
4	6	40%
5	4	26%

- Some intro course to the DSP would have been nice (3)

- I knew nothing about DSP before this course... (3)
- I had not enough experience with programming. (4)
- pre-course in DSP will be very helpful (4)
- As teams are made of several people, tasks are allocated to the ones with the right prerequisit. But maybe I would have been quite lost in other tasks. (4)
- Had enough knowledge before and now I now a lot more. (5)
- Knew some programming and some DSP. You learn alot in 2 month! (5)

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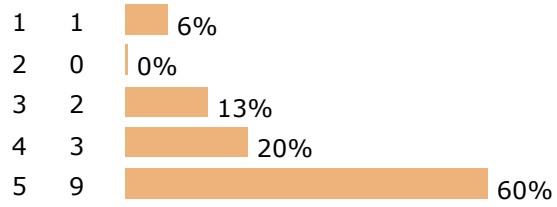
3. EE has given a correct description of the couse - the couse is what I expected

15 svarande



- The course requires more programming then expected and less information about digital signal processors. (3)
- And a lot, a lot of debugging... (4)

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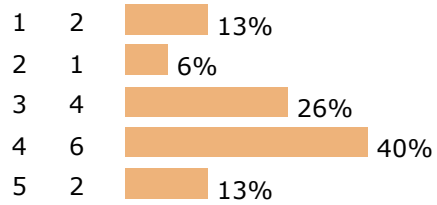
4. The information (lectures, web and other) on project management and requirements was good and enough

15 svarande



- No, one lecture about project management would give the group the same background. (2)
- The information on the web was a little bad organized. And the material itself wasn"t the best in the beginning (too confusing). Then when I learned what everyting was, the material was good. (3)
- The requirements were clear, but there wasn"t much on project management. (4)

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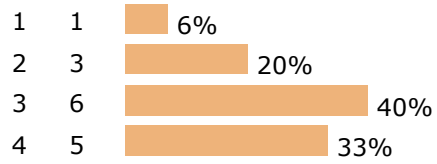
5. The DSP lectures were good and enough

15 svarande



5	0	0%

- A 1 or 2 credits course in the architecture and optimization of DSPs would give a better understanding and better programs. (2)
- They were good as introduction, you learned how to program the DSP while checking the examples and the assignments. (3)
- More detailed instructions, like specific examples to look at would be great. In particular, one reference should be added, "C: idocshlpC6713DSK.HLP" This would have saved us a week. (3)
- I think that "lab" exercises will be more helpful than lectures. (3)
- The DSP lectures was very confusing. I think more time should have been spent on DSP programming (many people who took the course still have no idea how to program and how DSK is working). I suggest 2 days walkthrough, like a laboratory combined with lectures. (3)
- maybe more DSP lectures can be given, focusing on transmission, but self-study is also good. (4)
- More lectures could have been useful, for example before the beginning of the project. (4)
- Maybe more would be better. (4)

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6. The DSP support section on the webpage was good

14 svarande

1	1	7%
2	2	14%
3	2	14%
4	5	35%
5	4	28%

- I dont know (?)
- The section was ok. Most helpful was the teacher and the DSP-support people. (3)
- Lot of examples, but comments were sometimes not really adequate. (4)

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7. The DSP support was good

14 svarande

1	1	7%
2	0	0%
3	2	14%
4	5	35%
5	6	42%

- I dont know (?)

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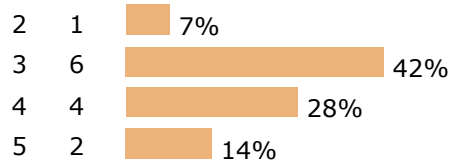
8. The books were good.

14 svarande

1	1	7%



- DSP book not good. Does only explain tecnical stuff, and not general information like ping-pong and so on. (2)
- They were good, didn"t use them though. (3)
- I only checked pages for <math.h>... (3)
- Did not use them (3)
- The DSP book was never useful, actually, but it was good to read at the start. (3)
- directly see examples on the webpage is more useful for the DSP part (4)

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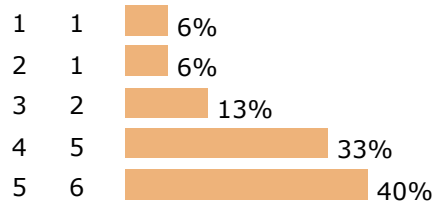
9. Support for computer and other equipment was good

15 svarande



- It was ok but I think that they should have preinstalled Code Composer Studio at least before the course started. Took alot of extra time just to get the programs working. (3)
- Didn"t need any support. (3)
- Yes, it was good but the equipment didn"t work when the project started. All computers in the lab should have CCS installed and working! (4)
- We did not have any problems. (4)

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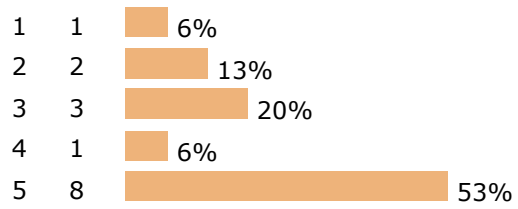
10. Our project assistant was good

15 svarande



- There is no need of project assistant, because we dont get any assistance from them. (2)
- Out assistant didn"t know any DSP-programming, and that was where all out problems where at.. but he was as helpful as can be. (3)
- Karl was excellent! (5)
- He was interested and came with suggestings of improvements as well as resources of information when needed. (5)

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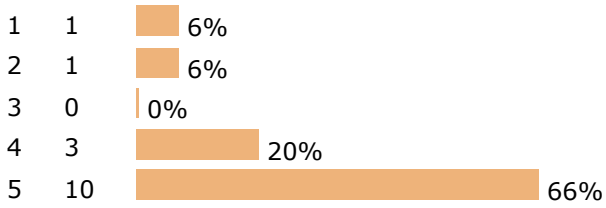
11. The teacher responsible for the course was good

15 svarande



- Sometimes it was unclear how things should work. If reports should be posted on website or handed in. What the progress reports should include, if the demonstration was like a fair of presentation, etc... (4)
- The teacher was very skilled at DSP which was good. However we didn"t ge any feedback when the project was complete, and the choose for the award was very unfair. (4)
- Teacher was extremly helful during the course and guided us in the right direction. He used to answer our emails during weekends too. He helped us in theory and implementation, and I am really thankful to him for spending time with us. (5)
- Per is very responsible and helpful (5)
- We can never finish the project if it weren"t for your help, thank you! (5)

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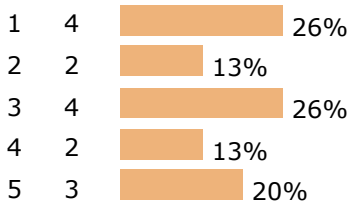
12. The work load corresponds to a 8 credit course

15 svarande



- It corresponds to 10 credit course. (2)
- For the load of work it implies, a minimum of 10 Swedish points / 15 ECTS would be fairer. (2)
- There is always a lot of work to make a working prototype. If the project run into a lot of bugs the course can become really time-consuming. (3)
- That was 8 tough credits... (3)
- This course is worth 10 credits! (3)
- Some people spend much more time, like 16 credits, and some spent only 4 credits. But that is the way projects are. (3)
- more credits should be given maybe (4)
- 10 points should be given so we don"t have to take other courses during the period since it"s hard to manage both the project and another course. (4)
- At least. (5)

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13. What was the best aspect of the course

- You learn alot of things you thought you knew already...
- to realized my weaknesses
- That previous knowledge was used to create a working prototype.
- The team work

- I learned in this course more than in 4 yearsof the degree
- The combine of theory and practice
- to learn and explore something almost all by yourself, and learn to overcome the obstacles not just in the project itself. learn to turn impossible to possible.
- It taught us a practical point of view.
- Working in group and enjoying the team spirit. Rewarding work.
- I learned practical things ...
- Group work :) and possibility to put my knowledge into practice.
- Developing a whole, almost-real project from zero and making it possible.
- Getting to know DSP and getting new friends.

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14. Is there something that has not functioned well or should be removed/changed from the course

- A new coffee brewer and a fridge/microwave oven should be found in the lab. A LOT of time is spent there.
- There should be individual grading within the group.
- It is needed more help with the DSP part
- No
- no
- I would love to have had a microwave in the lab...
- Having the report written after the grand finale could be nice, since we could spend more times on the project before the finale then concentrate on the report without any stress. This would lead to a better written report, I guess.
- Either all projects should be different or all the same.
- More focus on DSP programming. More feedback to both project-groups as a whole but also to all the students individually (if possible).

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15. What is your experience from working in a project group ?

- the mentality of group work is not something you can creat in a three month course
- Not a good experience.
- It was fun
- My group was excellent. Some language problems
- Collaboration is very important.
- it is a very unique experience. you learn how to cooperate and communicate with each other.
- It is very very hard to work well with others, but this is what you have to deal with in this course. No one can finish this alone in two months.
- It was a really good experience, especially since we all got along pretty well. We sometimes had different opinions on matters but everything was settled peacefully. We had fun together and that created a comfortable working environment that helped doing a good work.
- It was good ...
- Great.
- Very good, I was very lucky with my team.
- Very good. Even though the time spent is unfair, that"s up to every student in the group. The most important part is that the group gets along good and that the project gets finished.

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16. When did you here about the course ? Why did you choose it ?

- to get practicall experience
- Because I wanted to construct something real not only listen to information about how to do things.
- It is compulsory for me
- Last summer. It is compulsory.
- from the start of this term. first it is compulsory, also it is a valuable experience.

- I knew about the course before I got here, because it"s listed as compulsory. And also it seemed like "something for real" to me.
- Back in august when I looked at the course lists. I did actually not need all the points for this course but I should have done some kind of project in my home university so I thought it would be a good idea to do this one.
- I was told about this course by my friend who already took this course 1 yr ago. One reason of choosing this course is because it is mandatory for Wireless Systems program in information transmission profile :) Other reason is that i also wanted to take some practical stuff course...
- This course was mandatory for me.
- In my study plan, as it is compulsory for me. I wanted to do it because the Signal Processing profile was the one I was most interested in.
- From list of courses that could be selected.

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17. What would be your advice to a student who chooses this course next year ?

- Dont choose any other courses in parallell! You need all the time you can get.
- work as a group
- Start at the beginning and make a working prototype as fast as possible and improve the prototype in steps when it"s finished. Write well documented and organised code.
- Only take the course if everyone in your group is determined to work.
- Work as a team and in the lab. Not alone
- If you want to be disappered of the world during 3 months, and want to learn a lot, choose it!
- The demonstrantion of the project is important, but reports are more important. Consider the report from the fist day, not only the final report, but also the every progress report.
- cooperate ! every aspect of the project is important, make the project a complete one
- Many people say you can"t take an other course, I think you can. But you need to know our DSP team worked at least 6h/day (often 8-10), no weekends, for almost 2 months. have this in mind and take the other course you want!
- Try to avoid taking other courses if possible. Work hard since the beginning and don"t give up. And over all, work as a team, with your team, and enjoy being with your fellow members by doing other activities than the lab. It helps a lot to get along with your team members.
- Never Take Another Course Alongwith Project Course.
- work hard and have a fun :)
- The usual ones... - Work from the start. - Don"t make your Easter break too long. - Respect your group. - Trust your possibilities, but work as a team. - Enjoy.
- Work hard. It"s more fun to cooperate. Watch early years projectreport and code. You might have the same problems.

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18. Additional comments

- Great course!
- It was a good exprience!
- Maybe it should be given in 2 periods. I spent all the weekends working in the lab morethan 10 hours.
- maybe the course should provide more prizes instead of only one best group, since every group has tried very hard and have acheivement in the end.
- An open, transparent and quantified method for the final evaluation of the projects would be great. And I discussed with some other guys, and I found out that having some groups doing the same project and some others not can lead to very ugly situations, not only in the final evaluation but in the process as well. This kind of experience is good for the students in the long run, but I think we can avoid this in the future. All groups should do different projects, or all should be the same.
- One very important point: There should be a rule in S3/EE that those who register for Project Course can"t register another extra course alongwith Project Course. This thing creates much imbalance of work among the group members and those who are not taking any extra course have

to work really hard during all the 9 weeks in order to make the project work. People taking extra course make compromises b/w Project Course and Extra course and this behaviour simply affects the output of project in a bad way. If you want to see extra ordinary results from students and fully working prototypes then this rule should be implemented. Another point is that this project should correspond to 10 credit hours full time course and there should be grading 3,4,5 instead of just pass / fail. I hope that my suggestion would be considered :)
- Try to organize some pre-course in DSP or change the DSP lectures to the "lab" exercises supervised by teacher. Keep DSP assignment.
- Thank you all for the course. I"m very happy I chose it.
- I think alot of students was very dissapointed with the choose for the award this year. Everybody know from first day which group was going to win because it was a new project and it wasn"t as technical difficult as the others (meaning most time was spent on GUI, presentation and so on). If there would have been some time spent on creative feedback, this wouldn"t have been such a big problem as it was. On the other hand, most of the prople in the groups that didn"t win the award did get to learn more about DSP and DSK.

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