Creative Electronics

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When I started at this assignment I thought that it would be difficult for me. I did some programming work in my project last year and I followed the course Creative Programming in the first quartile last year. So I had some knowledge already, but I still needed to develop my skills in building circuits and understanding the different electronic components.

The first lesson, things already went a bit strange. The person with which I had to cooperate, was not following Industrial Design anymore. So I had to find another partner. Luckily Lesley did not had a partner anymore as well, so I could cooperate with him. First I always did the theoretical assignments by myself, so I knew what it was all about. After that, we met and did the practical assignments. We work through it step by step, till we both understood it. Than e divided the two assignments each work to work them out for the report.

Doing the practical assignment took a lot of time. Sometimes we did not get the results we expected directly, than we discovered afterward what we did wrong and we did the assignment again to see if the result were different. We worked through the assignments till we both understood them, which made our cooperation quite nice and smoothly.

Doing this course, I learned a lot. I learned about different electronics, about their function and for which circuits you need to use them. Furthermore I learned that it is good to calculate first, so you have some expectations about your circuit beforehand. I also learned that the multi-meter is a good instrument when you do not know why your circuit does not work. You can measure the different parts and see at which component you discover strange values. I learned to think about my own circuit and to really build and program it and I learned myself to make circuits with the use of the program Eagle PCB.

The last thing I want to reflect on is the course structure. I actually really like it. First theoretical exercises and after that practical exercises about the same subject, in order always continuing about what you learned in the previous exercise. Furthermore lectures about the homework for more explanation and nice feedback from the coach and possibilities for help in the e-lab or in flux. After that, when you already gained a lot of knowledge about this course, a more difficult system (heating system) and then a final project which you had to design by yourself. So the course was build op very well and I liked to work on it.