

REPORT AL RIENTRO DELL'ESPERIENZA DI SCAMBIO - A.A. -

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_Anno di corso	2.LM
_Corsi di studi	PRODUCT SERVICE SYSTEM DESIGN
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_Stato	Sweden
_ID ERASMUS (per sedi in EU)	S GOTEBOR02
_Semestre svolto all'estero	2°

Testo

1. WHY CHOSE CHALMERS

Chalmers University of Technology is one of the world's top universities of science and technology. It ranked 128th in the QS World University Rankings in 2018-2019, ranked 51st in the world in electrical and electronic engineering, and 53rd in the world in mechanical, aerospace and manufacturing disciplines. According to the Swedish University Reputation Survey released by Kantar Sifo 2018, Chalmers University of Technology won the first place again. As one of Sweden's top universities of science and technology, Chalmers cooperates with many renowned Swedish companies such as ABB, Volvo, CEVT, Ericsson, SKF and SAAB. Meanwhile, Chalmers is the members of the IDEA Alliance of the top five universities in Europe.

2.LIVING IN GOTHENBURG

Chalmers University of Technology is located in Gothenburg which is the second largest city in Sweden,fifth-largest in the Nordic countries. It has a population of approximately 570,000 in the city center and about 1 million inhabitants in the metropolitan area. Gothenburg is a city that combines art, technology, culture, and nature, it has plenty of cafes, restaurants, bars, natural parks.On weekends, citizens can go to the Art Museum, Liseberg amusement park, Universeum which is a public science center and museum, Haga area. Living in Gothenburg is safe and full of surprises.

The public transport in Gothenburg consists mainly of trams and buses. At each bus stop, you can see the running schedule and running route of the bus or trams. People can buy the ticket through the application Vasttrafik or convenience stores, a single ticket is 28SEK within 90 minutes. Student can also purchase a Chalmers card it costs 325 SEK for one semester, but they can only take the bus 99 or bus 16.

For exchange students, the SGS Studentbostäder agency will offer limited housing options, but students must pay attention to the selection time. Meanwhile, students can also search house though Boplatz Göteborg,Andrahand.se.

Chalmers student union(Chalmers Studentkår) is a non-profit organization is consist of thousands of engineering, architect and marine students. The union represents students to monitor the education system at Chalmers, work to make sure new housing is built, arrange Sweden's largest career fair. Meanwhile, the union also have cabins, pool and gym hall for relaxation, students can find hundreds of opportunities from the union to get involved.

3. THE COURSE I CHOSE

During the exchange, according to the course description(, I chose three courses that are more are more relevant to my major. Chalmers is divided one semester into two periods and most of the students will choose 2-3 courses per periods. It is allowed students to change or quit a course within three weeks from the start of the course, students must check the schedule block to ensure that class time does not conflict. Sometimes classes will take place on different campuses and it will take 40 minutes to take the bus.

3.1.COURSE1-Information Visualization

The course aims to give an understanding in how information can be presented to provide efficient and effective knowledge transfer, as well as how to design interactive systems that allow users to easily adapt these presentations depending on task and context. It gives students the ability to design and develop interactive information visualizations capable of communicating specific information in an efficient manner.

In order to achieve this ability, it is vital to have an understanding of the human sensory and cognitive system and to be able to argue, motivate and criticize information visualizations based on this understanding. Not only actual applications are covered, but also the development of methods to pre-process data and the creation of interfaces so users can personalize the information presentations available so it suits their needs. This course is consists of lectures, workshops, writing exam, team and individual project.

3.2.COURSE2-Design for experience

The purpose of the course is to help the student to develop further insight into the area “Design for Experience”. The overall objectives are that the participant developed a basic knowledge of:

- what constitute experiential relations between consumers/users and products;
- existing and relevant frameworks, models and theories(including Jordan's four pleasures model, Norman's three levels of emotion, Desmet's product emotion model, Hassenzahl's Ux model)
- Using methods and tools for identifying users’ needs and requirements related to product and use(r) experiences, and for evaluating design solutions from a product and use(r) experience perspective;
- how to apply the frameworks/models/theories as well as the methods and tools in a design process

The course was divided into three main themes: Understanding (UX), Designing (for UX) and Evaluating (UX). After finishing each part of the themes, students have to attend a seminar and writing exam to check their learning status. During the seminar, students were divided into a group of five to complete the report writing, project design and communicate with other groups.

At the end of the course, each group made a presentation and poster to explain their project and what they have learned from this course.

3.3.COURSE3-Social innovation and social entrepreneurship

The purpose of this course is to introduce students to notions of social innovation and social entrepreneurship and discuss the extent to which contemporary societal challenges (e.g. energy, climate change, equity, gender justice, and biodiversity) can be addressed through these means. The course provides students with tools to assess and analyze socially innovative and entrepreneurial initiatives and gives them an opportunity to discuss and develop their own prospective initiatives within this field.

Except for the lecture, the professor also invited some experts to share their projects and experience with us. The grading is structured in the following ways: writing exam, personal report about the reflection on guest lectures, group report(chose one case to study and analysis), group presentation.

4.CONCLUSION

The exchange experience in Chalmers is memorable, I have enjoyed full involvement in both the academic environment and social communities. I made full use of Chalmers' abundant teaching resources and state-of-the-art facilities to accumulate my transferrable skills, increase the appreciation of art and develop the creative mindset required in designing. It has many different from Polimi, such as exam arrangements, in Chalmers, they have mid-exam and weekly seminars, weekly writing exam to check the student's learning process. There are no specific restrictions for the course selection, so we can team with students from different majors. In the course Design for experience, I grouped with students from computer science, engineering program that is interesting because people from various cultural backgrounds are using their professional knowledge to working on the same project and having a lot of new inspiration. The life in Chalmers is special and precious it brings opportunities and changes for every student.

Autorizzo al trattamento dei miei dati personali ai sensi del Decreto Legislativo n. 196/03 da parte del Politecnico di Milano.

Firma Xiao wen Yu