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## 1. Welcome

First of all, I would like to welcome you as an international exchange student and as an international Master student at the Technical University of Denmark.

As a leading university, DTU believes that it has an important role to play in the academic globalization. Student and faculty exchange across borders is crucial for the free flow of ideas, inspiration and knowledge which is so important for scientific and technical advancement. By studying abroad and gaining personal experience of foreign cultures and languages, students can improve their ability to perform well in a global environment.

DTU has the necessary resources to provide its Danish and international students with an education, which effectively prepares them for the challenges they will meet in international companies, organizations and markets. We have exchange agreements with about two hundred higher educational institutions from all over the world. Many of our faculty members have themselves research and teaching experience from abroad as well as ongoing international collaboration.

Becoming a student at DTU means that you are embarking on an experience far greater than simply preparing for a career. University life will involve you not only in the acquisition of knowledge but also in the excitement of investigation, the pursuit of ideas and the satisfaction that comes from applying knowledge. University life is not only about study and hard work; it also involves meeting and learning from people from very diverse backgrounds. During your time with us I hope that you will enjoy success in your studies and come to know and understand us better. The University offers a wide range of academic, cultural and recreational activities, and our location in the most attractive region north of Copenhagen gives our students easy access to nature, sport – and cultural activities as well as easy access to the exiting life of downtown Copenhagen.



*Lars Pallesen*

Lars Pallesen  
Rector

# The new DTU

Lying a few hours flight from the capitals of Sweden, Norway, Finland, the UK, Germany and the Baltic States, DTU lies at the heart of Scandinavia and Northern Europe and is a leading-edge institution in the thriving design and engineering culture of the region.

DTU graduates are renowned for their technical skills and creativity. This reflects our three key goals:

- *Excellence in research*
- *Research-based education*
- *Commitment to innovation and industry partnerships*

In 2007 five national research institutes have been merged in to DTU. DTU has been expanded by 40% in both turnover and number of research faculties.

The research institutes are: Research Center Risø, the Danish Institute for Food and Veterinary Research, the Danish Institute For Fisheries Research, the Danish National Space Center and the Danish Transport Research Institute. The new larger university has retained DTU, The Technical University of Denmark, as its name.

With the new partners, DTU has further strengthened its position as one of the leading technical universities in Europe. In addition to research, education and innovation, the inclusion of the partners has added a fourth activity to DTU's portfolio of tasks: public sector consultancy.

So more than ever the DTU mission is live and well: *"science and technology for society"*

## 2. Welcome to International Affairs - and this guide

The main objective of International Affairs is to make life easier for you as an international student here.

Each year, we publish this guide to provide international students in DTU's undergraduate and MSc programs with information on registration, curriculum planning, available services and other subjects.

We are pleased to greet you as an international student at DTU and hope that you will enjoy your stay here.

### International Affairs

International Affairs at DTU is the administrative unit responsible for student exchange program strategy and planning, and the internationalization of graduate and undergraduate studies at the University. International Affairs co-ordinates international exchange programs, sets up bilateral exchange agreements, plans student exchanges with other institutions world-wide and implements curriculum internationalization. The Office works closely together with the other administrative units and the departments at the University. International Affairs reports to the University Director, provides assistance to the Rector and maintains contact with the Danish Ministry of

Education, and with other official and professional organisations in Denmark and abroad.

The Office has a library and student guidance centre with information on and Internet access to other universities and other collaboration partners abroad, available to DTU students planning to take part in international programs, student exchange programs, etc.

International Affairs and the Accommodation Office take care of international students at DTU. These two offices work closely together to co-ordinate the admission, enrolment and accommodation of international students.

International Affairs provides assistance in course registration, examinations, transcripts, e-mail access and information on DTU and academic matters such as DTU programs of study, course contents, schedules, etc.

In co-operation with International Affairs, the Accommodation Office offers help with the practical aspects of student exchange: residence permits, insurance, "buddies" and housing.

At the beginning of each semester, International Affairs arranges introduction week to welcome and offer assistance to new international students. Danish and English language courses and cultural experiences are offered.

## **The staff - and what we can do for you**

The international counsellors (student assistants) will be the ones you will meet most often. They are in a way our "interface": They handle all the requests we receive daily from students. You can reach them on weekdays between 10 a.m. and 2 p.m.

In International Affairs' Secretariat (administrative officers), Dorte Hoffmann is responsible for most of the matters regarding international exchange students, e.g. introduction program planning, course registration, examination registration, co-ordination with the Accommodation Office, etc.

Lotte Toftdahl and Eva Fryd are responsible for most of the matters regarding international MSc students, e.g. the application procedure and co-ordination with academic staff.

These two will be the ones that our international counsellors will refer you to if they can't answer your questions themselves. Jette Krøyer is also involved in this work as well as in the general management of the Office.

Louise H. Waaben is responsible for most matters regarding exchange for outgoing students and DTU's Summer University. And finally: Elizabeth Tromer and Scott Lewis are in charge of overall strategy, financial management, co-ordination of DTU activities in Denmark and abroad, and management of agreements, programs, etc. Elizabeth Tromer is Head of International Affairs and responsible for its general management.

### **How to reach International Affairs**

International Affairs is situated in building 101A, ground floor. You can get in touch with us by writing, phoning, faxing, or e-mailing:

The Technical University of Denmark  
International Affairs  
DTU Building 101A  
DK-2800 Kongens Lyngby  
Phone: +45 45 25 10 23 (student counsellors)  
          +45 45 25 11 80 (Dorte Hoffmann)  
          +45 45 25 11 53 (Lotte Toftdahl)  
Fax: +45 45 87 02 16  
E-mail: [intcouns@adm.dtu.dk](mailto:intcouns@adm.dtu.dk) (student counsellors)

Home page:

<http://www.dtu.dk/English/education/internationalAffairs.aspx>

## **Services offered**

International Affairs provides a number of services available to you during your stay at DTU. These services are described below.

### **Introduction week**

At the beginning of each semester DTU arranges introduction week to welcome new students from abroad and give them an introduction to what lies ahead. This week also provide an opportunity for new arrivals to obtain information about studies and residential life. Administration staff, Accommodation Office staff and student counsellors will be there to help you. When you are registered as an international student you will receive an invitation for this meeting.

Danish and English language courses and cultural arrangements will be offered.

### **Housing Program**

If you have filled in an accommodation form and submitted it before the deadline, International Affairs will apply for accommodation on your behalf. Please note that DTU can only provide accommodation for international MSc students for the first year, with the possibility of applying for the 2nd year.

**Student Identity Card**

Each student is provided with a student identity card stating his/her name and registration number (date of birth plus a personal code). Always have your student ID with you, since without it you cannot use the library, take an examination, be admitted to data bars, etc. If registered at International Affairs you will receive your student ID during the introduction week.

**E-mail**

Important messages from International Affairs will be forwarded to your private DTU intranet e-mail address which you will get along with your acceptance mail/letter.

Read your email often, as important messages will be sent to you from the international office, and from your teachers.

Your e-mail can be accessed through the CampusNet which is described in chapter 5.

# 3. The Technical University of Denmark (DTU)

The following chapter will give you a short introduction to the Technical University of Denmark (DTU). It contains an overview of the academic programs offered. You will also find a description of the services and facilities available for students (Danish and foreigners) at DTU. For more information, please visit our website [www.dtu.dk](http://www.dtu.dk).

## Profile

The Technical University of Denmark (DTU), founded in 1829, is Denmark's leading centre for engineering education and research. It has about 7,000 BSc, MSc and PhD students and 1500 scientific personnel. DTU's campus is located in Lyngby, a suburb 10 km north of the centre of Copenhagen - and about 5 km from the sea.

### National and international collaboration

DTU invests a great deal in working together with industry in Denmark and abroad: more than half of DTU's budget is funded by sources outside the University. DTU has been heavily involved in international research throughout most of its history. Today the University has many research contacts in highly regarded academic establishments all over the world and participates in a large number of important national and international research programs.

DTU is at the forefront when it comes to internationalizing its study programs. We have exchange agreements with universities all over the world, e.g. in the Nordic countries, EU member countries, North and South America, Asia and Australia.

All MSc courses and a large number of BSc courses are conducted in English.

Each year the University accepts approximately 500 exchange students and 200 MSc students from all over the world and sends about 200 Danish students abroad.

## Academic programs

DTU offers the following programs:

- 10 BEng programs - 3½-year program taught in Danish leading to a Bachelor in Engineering degree.
- 13 BSc programs – 3 year program taught in Danish leading to a Bachelor of Science in Engineering degree.
- 24 MSc programs - 2 year program taught in English leading to a Master of Science in Engineering degree.
- 5 PhD programs - 3 year program leading to a Doctor of Technology or PhD degree.

### Undergraduate programs taught in Danish

DTU offers ten 3½-year BEng programs and thirteen 3-year BSc programs leading to a bachelor's degree.

### MSc programs

DTU now offers 2 year MSc programs tutored in English for almost all research areas, thus offering students the widest possible choice. The content of the various programs reflects DTU's status as one of the prime European engineering universities.

The twenty four new MSc programs cover almost all fields of research at DTU.

Through Recommended Study Lines, Specializations and Special MSc programs, our MSc programs now offer a broad range of curricula from the highly specialized to a broader and more versatile educational profile.

The new MSc programs include a number of General Competence courses. These are designed to offer students the range of skills necessary to meet the complex challenges of an engineering career, including project management, teamwork, communication, problem-solving and resource planning. All these skills are taught within the student's field of research.

The Technological Specialization courses provide in-depth academic and technological training leading to a state-of-the-art qualification. By combining them with appropriate elective courses, students create their own inspiring and highly individual study programs.

#### *MSc programs:*

- Advanced and Applied Chemistry
- Architectural Engineering
- Biotechnology
- Chemical and Biochemical Engineering
- Civil Engineering
- Computer Science and Engineering
- Design and Innovation
- Electrical Engineering
- Engineering Design and Applied Mechanics
- Environmental Engineering
- Food Technology
- Manufacturing Engineering and Management
- Materials Science and Engineering
- Mathematical Modelling and Computation
- Physics and Nanotechnology
- Telecommunication
- Transportation and Logistics

#### *Special MSc programs*

- Applied ICT
- Engineering Acoustics
- Petroleum Engineering
- Sustainable Energy
- Systems Biology
- Wind Energy

For more information on the MSc programs, please visit:

[http://www.dtu.dk/English/education/MSc\\_Programs.aspx](http://www.dtu.dk/English/education/MSc_Programs.aspx) or contact either the Section for

International Affairs (or the Professor responsible for the relevant MSc program) for further information.

#### **Course catalogue**

The Course catalogue with descriptions of courses taught in English is available at the internet, and can be found at [www.kurser.dtu.dk](http://www.kurser.dtu.dk)

#### **Admittance**

Admittance to the international MSc programs requires at least a high level bachelor degree in engineering or a related degree from a recognised university. Students from non EU countries with a first language other than English must complete a language test.

## Student services and facilities

DTU offers Danish and international students a number of academic services and facilities which are described below.

### Student counsellors

If you have problems, questions or need information it is possible to contact a student counsellor. You can find them in Building 101A, ground floor. During the semester their opening hours are Monday to Friday, 10.00 a.m. to 2.00 p.m. Opening hours vary during examination periods, three-week periods and holidays.

### DTV (Technical Knowledge Centre of Denmark)

You will find the Technical Knowledge Centre of Denmark (*Danmarks Tekniske Videncenter & Bibliotek, DTV*) in Building 101. The library is open from 8 a.m. to 8 p.m. on weekdays. Counselling is available from 10 a.m. to 6 p.m.

DTV is the main library for engineering and science literature in Denmark, and it offers introductory courses in the use of its ALIS online system which include instruction in the use of search facilities and the online ordering of literature.

### Shops on campus

Cafeteria, student café, student bookshop, and bank are all located in Building 101. There are also cafeterias in Buildings 342, 358, and 381. There is a supermarket and a pizzeria at Kollegiebakken 7 next to the residence: Kampsax Kollegium.

#### Opening hours:

##### Cafeterias:

Building 101

Monday - Thursday .. 8.30 a.m. - 2.45 p.m.

Friday ..... 8.30 a.m. - 2.00 p.m.

Building 358

Monday-Friday..... 8.30 a.m. - 1.45 p.m.

#### Faculty Club (building 101A)

Monday - Friday .....9.30 a.m. - 2.00 p.m.

Hot meals and buffet suppers are available in the cafeterias from 10.45 a.m. to 1.00 p.m.

#### Bookshop:

Monday - Friday .....8.30 a.m. - 4.30 p.m.

Thursday.....8.30 a.m. - 6.00 p.m.

#### Bank:

Monday - Friday .....9.30 - 4.00 p.m.

#### Supermarket:

Monday -Thursday....8.00 - 6.00 p.m.

Friday.....8.00 - 7.00 p.m.

Saturday .....9.00 - 2.00 p.m.

### Databars

Students at DTU have access to computer facilities at so-called "databars". They are located in Buildings 116, 208, 302, 303, 306, 308, 345V and 421 respectively. There are also computer facilities at DTV. As an international student at DTU, you are allowed access to DTU's computer facilities on the same basis as the Danish students at DTU (described in the following chapter).

## Social Life at DTU

### PF - The Student Union

Polyteknisk Forening, The Polytechnical Association, represents the students towards DTU and others. Although membership of the student union is not compulsory, PF has approximately 4.800 members at DTU.

PF holds all (app.60) student seats in the university boards and councils. There is a good tradition of co-operation, and a lot of the features of the studies at DTU are due to ideas put forward through the student representatives.

At "PF-gangen" the student representatives have their base, and this is where you can bring your suggestions for their work. It is also a place where you can start up new activities within the framework of PF, or become an active member of the

organisation. PF was founded in 1846 and was originally mainly a social club.

Social life is an important part of studying at DTU. Because of this, PF organises quite a few activities such as hobby clubs, cultural discussions, backgammon tournaments, etc.

Anyone who belongs to a student organisation abroad can be a member of PF for free while studying at the DTU. All other international students may become members for a fee of DKK 100. MSc. students, who are here for a minimum of one year, may become members for a fee of DKK 200. You don't have to be a member of PF to participate in PF's activities, but members get good discounts e.g. for concerts at the S-House.

### **Student House (S-Huset) - "Cellar Bar"**

The Student House is the place to relax on a Friday afternoon after a week's work, to drink a cup of coffee in between lectures or to play games with friends. In the Student House you will also find the Cellar Bar (*Kælderbaren*). Music arrangements, cultural discussions, parties etc. are frequently held at the Student House.

#### *Student House opening hours:*

##### *Coffee bar (Kaffestue)*

Monday-Thursday . 7.30 a.m. - 7.00 p.m.

Friday ..... 7.30 a.m. - 6.00 p.m.

##### *Cellar Bar (Kælderbaren)*

Monday-Thursday . 7.00 p.m. - 1.00 a.m.

Friday ..... 4.00 p.m. - 3.00 a.m.

(Opening hours vary in June, July and August.)

### **Hobby Clubs**

PF runs hobby clubs which everybody can join, for example metal work, woodwork, ceramics, music, drama, film and photography clubs. Ask the PF Secretariat in Building 101F for further information.

### **Sports**

"Sport at DTU" is an association to whom DTU has assigned the overall responsibility for sports activities at DTU. Website: [www.idraet.dtu.dk](http://www.idraet.dtu.dk)

#### *Purpose*

The purpose of the association is to further sports activities in competition and exercise sports for employees and students at DTU, although others may also use DTU's sports facilities under certain conditions. Association activities are meant to be self-supporting and in principle non-profit.

#### *Members*

Approved sports clubs at DTU are members. Individuals become members either by being a member of a sports club or by registering for a sports activity and paying a fee to Sport at DTU.

#### *Exercise and Competition Sports*

The sports activities available are divided into exercise sports and competition sports. There are sports clubs in both fields. It is not necessary to be a member of a sports club to participate in exercise sports, but competition sports are normally performed under the auspices of a club.

#### *Sports Activities*

Exercise sports activities are, among others, badminton, indoor and outdoor soccer, weight training, dancing, sailing, cycling and climbing. Competitions are also held in badminton, table tennis, volleyball, beach volleyball, rugby, basketball and other sports.

#### *Club Membership Fees and Hire of Courts*

To use the sports facilities, students must pay a fee (court hire fee) to Sport at DTU. The fee is set (before the start of the season 1 September) and announced along with information on registration deadlines on bulletin boards at DTU. Fees are paid to the facilities supervisor. If you have paid your fee for the first semester, it is possible later to re-enrol for the same time slot for the second semester. Membership fees for sports clubs at DTU are fixed and collected by the clubs themselves.

### *Sports Clubs*

<u>Sport</u>	<u>Danish name and abbreviation</u>
Badminton	Polyteknisk Badminton Klub (PBK)
Basketball	Polyteknisk Basketball Klub (PiiBBK)
Beach volleyball	Polyteknisk Beach Club (PBC)
Climbing	Polyteknisk Klatreklub
Cycling	Polyteknisk Cykel Klub (PCK)
Dancing	Polyteknisk Dancing
Exercise	Polyteknisk Motions Klub (PMK)
Rugby	Polyteknisk Rugby Club (PTI Exiles)
Sailing	Polyteknisk Sejlklub
Soccer	Polyteknisk Fodbold Club (PFC)
Table tennis	Polyteknisk Bordtennis Klub
Volleyball	Polyteknisk Volleyball Club (PVC)
Weight training	

### *Sports Facilities*

Sports activities generally take place in the sports centre in Building 101F. Outdoor soccer, beach volleyball, and other matches are held on the big grass field at the northern end of campus. Sailing is either in the Øresund Sound or on the Furesøen lake. Sport at DTU finances and normally also makes available equipment and accessories, but balls, rackets and other personal sports equipment must be provided by the participants themselves.

There are locker rooms, bathing facilities and a sauna in Building 101.

### *Sports Seasons*

The indoor season is from about 1 September to 31 January (first semester) and from 1 February to about 15 May (second semester), except during examination periods, holidays, etc.

The outdoor season starts around 1 April and ends around 15 October. Depending on the state of the grass and very wet/dry periods, these dates may vary.

### *Opening Hours*

The sports facilities in Building 101F are open every day between 6.50 a.m. and 11 p.m. (except during examination periods, holidays, etc.). After 6.15 p.m. and most times during weekends are reserved for competition sports activities.

### *Facilities Supervisor*

The office of sports centre supervisor Torben Thomas Thomsen is in Building 101F, and he is normally at work between 11.00 a.m. and 2 p.m. on weekdays. Mr. Thomsen supervises daily sports activities. Student ID must be shown on request upon admittance to Building 101F. Use of the weight training facilities in addition to a membership of the weight training club also requires a magnetic card which can be acquired by paying a deposit of DKK 100, which is returned upon return of the card.

### *Administration*

In charge of day-to-day administration of sports activities at DTU is Campus Service, Building 403, second floor, or telephone extension 1312.

For further information, please contact facilities supervisor Torben Thomas Thomsen, phone: +45 45251270, in Building 101F, where English folders will be available. Or go to <http://www.idraet.dtu.dk/> - "Sport next term" where you will find information on registration and schedules.

# 4. Impressions of three International Guest Students

Reports from three guest students who have studied for 6-12 months at DTU in the past years.

## The Denmark Experience

*By Annette Oelert, Germany*

### Introduction

Why study at the Technical University of Denmark? This was also my question in the beginning when I had to apply for my exchange year. Due to the fact that Germany and Denmark are neighbouring countries, it might not seem as a big challenge to go to Denmark. But the fact that I would have the possibility to study in English and learn Danish as a new language made the situation much more interesting.

I knew the country just as a tourist, spending the summer holidays as a child on Jutlands west-coast. I chose DTU because I was attracted to live in the capital of Denmark and the courses offered seemed very interesting to me.

### People and Culture

As you will notice very quickly, Danes are to a certain extent reserved. But this does not mean that they are unfriendly, in fact they are very helpful - just not "over-talkative" :-)

Maybe it is the northern location of the country, that lets the people seem to be a bit frosty, but if YOU take the initiative to contact the people - you will find open-minded, helpful, nice people. It might not be the easiest thing to get close to your Danish fellow students, but it is worth trying.

Most Danes are patriots- which means that they love their country, not that they are nationalistic.

Discrimination is very rare and Copenhagen is very multi-cultural.

But even though the country is very open minded - accepting minorities and people who just want to live their own lifestyle - rules are the connecting point of the society. I was very surprised, that my Danish friends did not cross the street by red light, even though it was 2 o'clock at night...and before sunrise no single car would be on the road. If you think about the high fees, which have to be paid by breaking this rule it is understandable. So even the busses are very expensive, don't challenge your luck to much by cheating with the tickets.

### University and campus life

I was really impressed by the amount of courses offered at DTU. I took the opportunity to choose courses which are not taught at my home university, TU Braunschweig.

After two weeks at DTU I was sure that I had made the right choice, and I wanted to extend my stay at DTU from one to two semesters. It was no problem and I stayed in total 11½ months in DK. The courses are mainly based on lectures and group work, where you have to hand in reports at the end of the semester and present them or take an exam. I had very good experiences with my groups, but if you mix 2-5 individuals the workload might not always be divided equally. The facilities at DTU were amazing compared to German universities. You find several PC labs on the campus and the library is very good. I also enjoyed the coffee, which is available in every building on the campus.

The teachers at DTU -at least all I met- are very helpful and motivated to teach you. I enjoyed the working atmosphere a lot and was surprised by the un-bureaucratic way of office hours. If the

door is open you knock and go in, if the door is closed, the teacher is not in the house. In Germany you would not even get to the teachers door, because the secretary would catch you before you reach it.

I learned a lot in the courses I took at DTU and I got interested in new fields of engineering science.

But it is not just the University and the courses, which make your stay abroad interesting -parties are a very important subject to attend as an exchange student.

Compared to the fact that around 6000 students are studying at DTU, the town Lyngby is not a "student city" at all. You will not find nice cafés and student pubs here. But on the university campus there is the "Studentarhus" just called S-HUSET where you will get coffee and other things from 7 in the morning. In the afternoon the cellar bar opens, where you get beers and drinks to fair prices. A "normal" week could look like this: The week starts easy on a Monday, if you're unlucky at 8:00 pm with lessons. Monday night you can use to relax or meet friends. On Tuesday the cellar bar opens its door for the international crowd. It is a good opportunity to meet other exchange students and your buddy, though other Danes you will just find very rarely on a Tuesday night down there. The next day starts the same party just in another location, in the S-hus in Copenhagen downtown, where you can meet also students from all the other schools in and around Copenhagen. Thursday is a very good day to go out downtown, because many clubs -like Park café - have free entrance and bars like the Moose have special prices. Even though Copenhagen seems very expensive in the beginning, you will be amazed how fast international students are to find bars with o.k. prices. Friday and Saturday are nice weekend-days for all kinds of nightlife from private parties, concerts in the S-hus, over all the clubs like Vega, Park, Frame ... to your favourite bar. But watch out for your condition, most nightlife locations are open till sunrise! Sunday is a perfect day to sleep long, visit one of the many cultural attractions Copenhagen offers and let the week run out with some good Jazz in one of the

bars offering free live concerts like La Fontaine. And so it is Monday again...

Apart from the party life, you should not miss the opportunity to visit Copenhagen's cultural attractions like Amalienborg, Tivoli, Louisiana, Carlsberg, Nyhavn, Christiania.....

Do not miss the international weekend offered by DTU, it is great fun!

### **Conclusion**

To study at DTU was one of my best decisions during my education. The courses I took were very interesting, the international flair at DTU made me more open for other cultures and the group work trained my teamwork abilities. The stay in Denmark improved not just my academically qualifications, it also developed my personality, made me more open minded and laid back.

## **An International Students' Life at DTU**

Experiences Studying in Denmark

By John Lewis Edgerly – USA

I had been planning on studying abroad ever since I began studying at my home university. When it came time to pick a country and a university, I was focusing my search on Scandinavia because of my love of the nature found in the northern latitudes of the continental United States and my interest in Nordic cultures. My decision was also influenced by the fact that I study Environmental Engineering and was aware of Scandinavia's reputation for being advanced in environmental policies and technologies pertaining to sustainable development.

Upon my arrival at Copenhagen airport, I was greeted by my "Buddy" from DTU. (The Buddy program at DTU is very helpful in your first few days in Denmark and it is a nice way to meet a Dane and some other international students right away.) She drove me to my temporary accommodation, which made her laugh because it turned out to be in the neighborhood to the west of the Copenhagen central train station - an area notorious for drugs and prostitution. This neighborhood was to be my first impression of life in Denmark. Despite its reputation, I didn't witness any criminal activity nor did I feel threatened at any time during my short stay in that naughty neighborhood, or anywhere else in Denmark for that matter. Denmark is a clean, safe country and its capital city, Copenhagen, is very aesthetically pleasing. There are no skyscrapers in the city center and all of the buildings are the same height and built in traditional architectural style. The sidewalks and cobblestone streets are kept free of trash. There are nice, wide bike paths that are often separate from the main street, providing safety from automobile traffic. Copenhagen has the longest walking street in the world, "Stroget", making the central part of the city very cozy.

I strongly recommend participating in the international student orientation week. You will make lots of friends during that week, and it will

give you an opportunity to get settled in to your accommodation and explore Lyngby or Copenhagen a little bit before classes start.

### **Living Situation**

I was one of the lucky ones. I managed to get a room in a kollegium. As I was living with mostly Danes, my living situation enabled me to form relationships with them and get into some of their social circles. I knew of many international students who found it difficult to get to know the Danes and spent most of their time with other international students. This can also be a lot of fun because there are students from all over the world at DTU. However, I think it would be a pity to spend a semester or more in Denmark and not make friends with any Danes or worse yet, not even venture out of the social circles that you may have come to DTU with from your home country. What's the point of leaving your home country if you don't want to make an effort to meet people from other countries? However, you don't have to live in a kollegium to make friends with Danes. I met some of my best Danish friends in my classes.

### **Classes**

The Danish style of teaching differs quite a bit from the American style. The first difference is that they don't usually grade your homework assignments or give you exams throughout the semester like they do in the States. The entire grade in a course is often determined by a single final examination or project. This puts some added pressure on you to discipline yourself and to keep on schedule, otherwise it's a mad scramble during the last month of the semester to try to make sure you know everything for the exam. The next major difference is that the Danes really emphasize working in groups and learning by doing. Often you will have to work in groups to write a report, create a design, do a presentation, or carry out laboratory experiments. During my experience in American schools the focus was more on the theoretical aspects of the material, listening to lectures and then performing calculations independently. The last organized major most of the classes I took at DTU were very well. They were tailored and to the point.

### Social Life

My social life in Denmark is probably the part I miss the most. International students by nature are out to have a good time. They are usually friendly and motivated to meet people, sightsee, travel and, of course, go to parties. The cellar bar at DTU has international night every Tuesday and the Studenter Huset in central Copenhagen has international night every Wednesday. There are countless options in Copenhagen for going out to hear music, dance, or just to have a few beers.

My time in Denmark has changed my life. I made lifelong friendships in Denmark and at DTU with people from around the globe, from as far north as Norway to as far south as Australia. I have gained a new perspective on the world by living outside of the US for a year and a half. I feel like more of a global citizen than just an American citizen. This experience has inspired me to pursue a career in environmental engineering in the international arena.

## About my stay in Denmark and studies at the DTU.

*By Gregory Neethling, South Africa*

First of all I would like to say a few words about how I got to know about the DTU, my impressions of the institution and some general information. I got to know about the DTU on the World Wide Web. Due to personal ties in Denmark I was looking for a university here where I could take a few courses to finish my Electrical Engineering. Well, - I stumbled across the DTU's web-site and was amazed by the amount of courses offered in English. Immediately I emailed one of the lecturers to see if it would be possible for me to attend his course. Once again I was amazed by the prompt reply I already got the next day and he put me in contact with the international office. They greeted me with great efficiency and speed. It was not long from there and I was on my way to Denmark.

I found that this efficiency is also noticeable in the way the courses are directed. The courses (well, at least the ones I took) are very well planned and structured with a details lecture-plan for the whole semester. The lecturers hardly or never stray from these lecture-plans. This means that the students know exactly where they are in the course at any time. Every course has its own web-site where you can find up to date info on what is happening in the course. Furthermore I found that if you have any problems or questions you can quite comfortably go to the lecturer or simply email him/her and you'll get a very fast reply. There is also a very relaxed relationship between the lecturers and students, for example everything is on a first name bases.

Now something about how I see life in Denmark and the Danish Society. I have some experience with Danish social events, like Christmas, birthday parties, farewell parties, etc. First of all the Danes love to sing, they will take melodies of old songs, put their own words to it and sing it around the table at parties. This is more for round-birthdays, but quite often it happens at other parties too. My girlfriend and I were invited to a party at a big

"Kollegium" in Copenhagen, which was a strange but educational experience for me. The first thing they do is to split all the couples up and placed them at different tables. I heard this is a Danish thing in order for the people to socialise with strangers at the party. Here after the people from all the different tables got together in small groups to make a song. At the party, just after the speeches, every table got a chance to sing their song and the best one got a prize. Well, this was pretty strange to me, but nice to have something different at a party. Christmas is also celebrated very big in Denmark. The Danes celebrate Christmas over a few days and prepare for it a month before. A very nice custom they have at Christmas is to hold hands, dance around the Christmas tree and sing carols. When it comes to private dinners in Denmark, prepare yourself for sitting around the table for a long time eating and drinking and I when I say a long time I mean for hours and hours.

The Danes have a very egalitarian society. They share the belief that everyone should be equal, male – female and rich – poor. This is a great thing, to give everybody an equal chance in life and keep discrimination to a minimum. The Danish women are very conscious about their rights and position in the society and therefore you'll see a lot of women in top positions at Danish companies.

The Danes in general have a very open-minded society in all aspects of life. For example, they are very open about their sexuality, in fact there are no or very little taboos in Denmark. Nevertheless be extremely careful about disobeying the everyday rules, such as not walking when the light is red, not cycling without lights after dark, paying for the train/bus every time, etc. Here everybody adheres to the rules to keep up the high standard of living.

Most of the Danish people have no problem speaking English, so everyday communication is no problem to make the foreigner's life much easier. I find Denmark a very nice and friendly place and will recommend it to any foreign student who is looking for a country to study abroad.

# 5. International students

Once you have decided to study at DTU there are several things you need to do.

In the following chapter you will find information on:

- International student enrolment
- CampusNet
- Course registration
- Accommodation
- Buddy Coordination
- Residence Permit
- Insurance.

These are all things you must do before arriving in Denmark!

## International student enrolment

### International Student Enrolment

All international students who want to enrol at DTU must first fill in our online application form. Submit the online application, print out the completed form, sign it, and return it to

**International Affairs**. After having evaluated and accepted the applications we will send you:

- a letter of acceptance
- a supplement to an application for a residence permit (which is purple) if you are a non-EU citizen
- various practical information about studying at DTU

Please remember that both forms (online and printed) must be returned to the International Office before the deadlines below. If you fail to do this your application will automatically be rejected. Please note the difference between deadlines for exchange students and MSc degree students.

## Exchange Students

**Application form:**

[www.dtu.dk/English/education/Exchange/Downloads.aspx](http://www.dtu.dk/English/education/Exchange/Downloads.aspx)

### **Application Deadline for European students**

- For the spring semester (February-June): December 1<sup>st</sup>
- For the autumn semester (September-January): May 15th

### **Application Deadline for overseas students:**

- For the Spring Semester (February-June): November 1st
- For the Autumn Semester (September-January): April 1st

Please be advised that we need the following **before the deadline:**

- a print of your application form for DTU's records (print this page)
- a certified copy of your transcript of grades from your home university
- a passport size photo with your full name and date of birth written on the back
- a letter documenting your English abilities

## MSc degree students

**Application form:**

[www.dtu.dk/English/education/MSc/Downloads.aspx](http://www.dtu.dk/English/education/MSc/Downloads.aspx)

### **Application deadline**

Students wishing to begin an MSc program in September must apply by March 15. However, please note that applicants recommended by one of [DTU's partner universities](#) from China must apply by November 1.

**It is strongly recommended that you apply by March 15th. If you do so you will be able to:**

- 1) Apply in due time for residence permit.
- 2) Get assistance in relation to your application for accommodation.
- 3) Be considered for the State Scholarships, if you are a non-EU/EEA citizen.
- 4) Be considered for the scholarships awarded by the DTU Student Sponsorship companies, if you are an EU/EEA citizen.

**Please note that:**

- If you do not apply by March 15th we can not guarantee accomodation.
- If you do not apply by March 15<sup>th</sup> you will not have the possibility to get a State scholarship or DTU Student Sponsorship.
- DTU recommends that you apply as early as possible; the number of places in each program is limited.
- You can apply for only **one** program at a time

**Important dates:**

- **October 15th - March 15th:** Online application form for start following september is available for applicants.
- **November 1st :** application deadline for international MSc programs start following september for applicants who are recommended for admission by our Chinese [partner universities](#).

**Last week of August:** Introduction week

Selection for MSc Programs is made on the basis of the following documents:

- A high-level BSc or a MSc degree in a relevant subject
- Curriculum Vitae
- Documentation of relevant professional experience
- Other documents clarifying your qualifications, e.g. GRE test and a short summary of your BSc or MSc thesis work

- Your statement of purpose (you describe in your own words your motivation for applying to DTU and to your chosen MSc program)
- 2 letters of reference in English (originals or certified copies)

When applying for admission, you must provide evidence of your academic attainments and proficiency in English. Properly *certified* photocopies of relevant documents must be enclosed with the application. Certificates and academic transcripts in languages other than Danish, English, Norwegian or Swedish must be accompanied by a *certified* translation into one of those four languages. TOEFL or IELTS certificates must be original and sent to DTU from the test centre directly. GRE certificates can be enclosed but are not required.

## CampusNet

CampusNet is your virtual gate to DTU. When you are accepted by DTU you will first receive an email and then a letter confirming that you are accepted as a student at DTU. With this you will receive a DTU login and password for your personal site on DTU's intranet "CampusNet". This provides you with a webmail and access to relevant information from the International Office, the professors, participation lists, info about exams, courses and much more.

**All communication with accepted students take place via CampusNet and therefore it is important that you check your mail and messages regularly.**

In order to access your personal CampusNet site please log on in the following way:

- Step 1: Enter <http://www.campusnet.dtu.dk>
- Step 2: Enter your personal DTU login and password:

We advise you to log on to your personal CampusNet site as soon as possible after receiving your login.

Please note that you will be using the above mentioned DTU login and password every time

you enter CampusNet. Therefore, please keep your username and password in a safe place.

Among other things CampusNet will provide you with:

- Electronic application forms for introduction week and course registration.
- A personal e-mail account in which you will receive important admissions related e-mails from DTU. In order to access your personal e-mail account you are requested to click on "webmail" in your personal menu on your personal CampusNet site. Please check your personal e-mail account regularly. Please note that group messages will be sent to "my messages" and personal emails will be sent to your "webmail"

You can find the CampusNet at [www.cn.dtu.dk](http://www.cn.dtu.dk) or [www.campusnet.dtu.dk](http://www.campusnet.dtu.dk).

## Course registration

All students are required to use the CampusNet when signing up for courses during all semesters studying at DTU. You will receive information on CampusNet regarding deadlines for course registration.

### Course registration for international exchange students

You can sign up for a maximum of 7 (5 ECTS points) courses at the undergraduate or MSc program level (60 ECTS points per year is a full workload). Your choice of courses can be changed after arrival.

Please note that your course registration also serves as your registration for the final examination. However, it is possible for you to cancel examination registration up to two weeks before the starting date of the examination period. If you have questions, please contact International Affairs or the Studies Information Desk.

### Course registration for international MSc students

In the program description for each international MSc program you will find a list of available courses that you can sign up for. Please note that each program contains a number of mandatory courses.

### Courses in English

DTU offers more than 400 courses taught in English. All courses at the graduate level as well as many undergraduate courses are offered in English.

You will find the list of courses to choose from in DTU's course catalogues: [www.kurser.dtu.dk](http://www.kurser.dtu.dk)

Since DTU offers a new selection of courses each semester, please make sure you have the latest edition.

When reading a description of available courses, please pay special attention to:

1. Prerequisites: the courses you must previously have taken or the level you must have achieved in previous courses.
2. In the course catalogue ([www.kurser.dtu.dk](http://www.kurser.dtu.dk)) we differ between courses taught in English or in Danish. Only courses with language of instruction in English are completely or partly taught in English. If language of instruction is set to Danish, only people with prior knowledge of Danish can follow these courses.
3. Timetable group: The week is divided into 10 modules. A 5 point ECTS course covers one group, e.g. 1A, while a 10 point ECTS course covers 2 groups, e.g. 1A and 1B. Under timetable group there might be written E or F. E stands for autumn and F stands for spring.

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
8.00am – 12.00am	1A	3A	5A	2B	4B
12.00a.m – 13.00a.m	Pause	Pause	Pause	Pause	Pause
13.00pm - 17pm	2A	4A	5B	1B	3B

## Projects - special courses for international exchange students

Some international exchange students ask whether it is possible to take special courses, do special projects, etc. It is possible - if you can get a DTU professor to go along with it. If none of the professors at your university can suggest a name, then the best thing to do is to contact the head of the DTU department you are interested in and ask. With your written request, you should enclose your transcript, CV and a description of the subject/project form you are interested in. You can also browse the department homepage where there are suggestions for projects. A list of departments can be found at <http://www.dtu.dk/English/Departments.aspx>

## Academic counselling

If you need academic counselling (you have questions about course content, prerequisites, etc.), contact the DTU professor who gives the course or the contact person specified for the international MSc program. International Affairs is an administrative unit and thus unable to answer such questions.

## Accommodation

At DTU, we try to help our international students to find housing, but unfortunately we can not guarantee accommodation to all international students. We provide accommodation services only under strict conditions as there is a housing shortage in Denmark and rooms are in short supply. Please read the following carefully!

First and foremost, do not apply for a room until you have received an acceptance letter from our admissions office. **You cannot apply to DTU for accommodation without your CampusNet login number.**

After having received your CampusNet login you can download the accommodation form which must be completed type-written and returned by e-mail or fax to the Accommodation Office [acco@adm.dtu.dk](mailto:acco@adm.dtu.dk) or fax + 45 45870216.

*MSC degree students accommodation form:*

[www.dtu.dk/English/education/MSc/Downloads.aspx](http://www.dtu.dk/English/education/MSc/Downloads.aspx)

*Exchange students accommodation form:*

[www.dtu.dk/English/education/Exchange/Downloads.aspx](http://www.dtu.dk/English/education/Exchange/Downloads.aspx)

1. A reservation fee of **DKK 250** must be paid if we find you an accommodation. The fee has to be paid immediately after your arrival and receipt of the key to your accommodation. Please note that this is a non-refundable fee.
2. Approximately two weeks prior to the start of your tenancy, DTU Accommodation Office will send you the lease. This will specify the address, the dates of the lease, the monthly rent and the amount of the first payment (rent + deposit), which is due on arrival.
3. DTU's offer of accommodation is made **once only**. You can decline it by sending an e-mail to [acco@adm.dtu.dk](mailto:acco@adm.dtu.dk). If you decline the offer, it will not be renewed and you will be responsible for finding your own accommodation.
4. DTU reserves the right to re-allocate your room, should you fail to present yourself on the date specified on your accommodation form. If you arrive before the date specified in your lease, you are personally responsible for your accommodation until your lease comes into effect.
5. Monthly rent varies from DKK 2,000 to 3,000. In addition it is necessary to pay one month's deposit to the Accommodation Office on your arrival. No meals are included in the rent. Most places laundry and Internet facilities are available.

### `Student rooms`:

A student room is a room in a shared house with other international students (1-10 km from DTU). Facilities (kitchen, bathroom, toilet) are shared with other students. You can rent a student room from DTU. All rooms are fully furnished but you will need to bring your own sheets, pillow & duvet covers, and towels.

### `Private rooms`:

A private room is a room in a private house (1-10 km from DTU). Facilities (kitchen, bathroom, toilet) are often shared with the owner of the house and sometimes with other students. You must tell your landlord the **exact date and time of your arrival** in Denmark. All rooms are fully furnished but you will need to bring your own sheets, pillow & duvet covers, and towels.

### **'Campus Village':**

Campus Village consists of pavilions on the DTU Campus. In the pavilions, you share a kitchen and bathroom with 8–9 other students. Here too all rooms are fully furnished, but you will need to bring your own sheets, pillow & duvet covers, and towels.

DTU also allocates rooms in halls of residence (1-10 km from DTU). In the halls, you have your own room with en suite bathroom, but share kitchen facilities with other students. Again, all rooms are fully furnished, but you will need to bring your own sheets, pillow & duvet covers, and towels.

**Important:** A room is booked for the duration of the lease. If you have to move, one month's written notice must be submitted to both the landlord and the Accommodation Office. Please note that it **must be submitted before the 1st of the month**. If you submit your cancellation on the 1st or later in the month, you have to pay for the following month, whether you stay in the room or not. These terms are as stipulated by the Danish Rent Act.

It is essential that students requiring accommodation return the application form as soon as possible after notification of admission.

**Applications received later than June 1st for the autumn semester and December 1st for the spring semester will not be processed.**

**Please note** that due to the limited number of rooms at the Accommodation Office's disposal they can only provide accommodation for international MSc students for one year with the possibility of applying for the second year.

You **can** also apply for accommodation via PKS, who manage the halls of residence and may provide leases of more than one year. However, be warned that PKS rooms are oversubscribed and there may be a considerable waiting-list. PKS cannot guarantee accommodation. For more information see: [www.pks.dtu.dk](http://www.pks.dtu.dk)

### **Buddy Co-ordination**

The Buddy Co-ordination is organised by PF. Before your arrival in Denmark, the Buddy co-ordination will try to find a "buddy" for you. A buddy is a Danish student from DTU who

volunteers to assist international students during their stay in Denmark.

Your buddy will help you with practical things and introduce you to social life at DTU.

The idea with the buddy co-ordination is to promote cultural exchange and make new friendships across nationalities. There will be plenty of social events for you to attend, ranging from parties to cultural visits. You can find a list of arrangements as well as other relevant information for international students on the buddy co-ordinations homepage:

[www.pf.dtu.dk/buddy](http://www.pf.dtu.dk/buddy)

You can also contact the buddy co-ordination for more information by mailing to on the following e-mail: [buddy@pf.dtu.dk](mailto:buddy@pf.dtu.dk).

### **Residence Permit (Opholdstilladelse)**

#### *Nordic citizens*

Students from Nordic countries need no residence permit.

#### *EU citizens*

Students from EU member countries need a residence permit if their stay exceeds three months. You can apply for your residence permit after your arrival in Denmark. Bring a letter of acceptance from DTU, your passport and two photographs of yourself.

It is important that you get your residence permit immediately after your arrival in Denmark, since you cannot register with the authorities until this is done. Registration with the authorities is necessary for medical coverage under the Danish Health Service and in order to open a bank account or sign up for Danish language courses.

You apply for your residence permit at:

#### **Statsforvaltningen Hovedstaden**

Borups Allé 177, blok D-E

2400 København NV

Phone: + 45 72567000

Opening hours:

Monday-Wednesday 9 a.m. - 2 p.m.

Thursdays ..... 9 a.m. - 5 p.m.

Fridays ..... 9 a.m. - 1 p.m.

To get there, take the S-train to Fuglebakken station or take bus no 4a, 12, 67, 68 or 250S

#### *Other nationalities*

Students from other countries also need a residence permit if their stay exceeds three months. Applications must be submitted to the Danish embassy or consulate in your home country at least two or three months before you leave for Denmark. To speed up the process, enclose the purple application supplement to application for a residence permit. (You receive the purple application from DTU with acceptance letter) Proof must be shown that the student has been or will be accepted at DTU and has sufficient means of support to cover the stay in Denmark.

If you want to get in touch with the Danish Immigration Service the address is:

#### **Udlændingesservice**

*(The Danish Immigration Service)*

Ryesgade 53

2100 Copenhagen Ø

Telephone: +45 35 36 66 00

Fax: +45 35 36 19 16

E-mail: [us@us.dk](mailto:us@us.dk)

Telephone hours: Monday-Friday 9 a.m. to 3 p.m.

Personal enquiries at the **Service Centre**:

Monday-Friday 8.30 a.m. to 12, Thursday also 3.30 p.m. to 5.30 p.m.

#### *Extensions*

Depending on your nationality and address in Denmark, applications for an extension of your residence permit must be addressed to either Statsforvaltningen or the Immigration Service (see above). Students applying for an extension must be ready to submit documentation from their teachers or their DTU department indicating that their studies

are progressing satisfactorily. To speed up the process, enclose the purple supplementary form along with your application for extension of residence permits. The forms are available at DTU's International Office.

#### *Visa*

Students from countries outside the EU and the Nordic countries need a Visa. Check with the Danish embassy or consulate in your home country if you are in doubt. For stays longer than three months, students from these countries must apply for a residence permit in their home country (see above).

## **Insurance**

Remember to check your personal insurance policies before leaving your native country. It is very important that you have:

- health insurance
- liability insurance

#### **Health Insurance**

#### ***Stays up to 3 months (no residence permit necessary)***

##### *Nordic and UK citizens*

Citizens from Nordic countries and the UK are entitled to the same medical treatment as Danish nationals.

##### *EU citizens*

Citizens from EU countries are entitled to medical treatment in acute cases or if they have an E-104 (E-111) form from their native countries (which does not, however, cover transport back to their home country). If you do not have a completed E-104 (E-111) form, you do not have medical insurance coverage during your stay in Denmark. In this case, we strongly advise you to take out insurance that covers medical treatment and repatriation before leaving for Denmark. If you have not done so, the PF Office in Building 101F can help you to take out a policy here in Denmark.

#### *All other nationalities*

Citizens from all other countries are not covered and are strongly advised to take out an insurance that covers medical treatment and repatriation. If you have not done so, the PF Office in Building 101F can help you to take out a policy here in Denmark.

#### **Stays longer than 3 months (residence permit required)**

##### *Nordic and UK citizens*

Citizens from Nordic countries, Austria and the UK are entitled to the same medical treatment as Danish nationals.

##### *EU citizens*

If you are an EU national, you must register at the local National Registry office immediately after your arrival in Denmark and as soon as you have your residence permit. When you have registered, you are automatically covered by the Danish National Health Service, with access to free medical treatment by doctors and in hospitals (does not cover the costs of possible transport home). Before registration at the National Registry you are only covered for urgent treatment and we therefore recommend that you bring the European Health Insurance Card or sign up for a private health insurance.

##### *All other nationalities*

Nationals from outside Nordic and EU countries should apply for a Health Insurance Card upon arrival. The certificate is valid immediately after you have registered with the local civil registration office – "Folkeregistret". It is therefore strongly recommended that you register as soon as possible upon arrival in Denmark.

When you register at a National Registry office you will be asked to choose a doctor. It may be a good idea to ask a Danish friend or colleague to recommend one.

Your central persons register number (CPR number) is also your health insurance number, and

a yellow National Health Service medical card will be sent to your address in Denmark within three weeks. Remember to bring the card if you go to a doctor or dentist. The name, address and telephone number of your doctor will be printed on the card.

After your studies at DTU are finished, before you leave Denmark, you must return this medical card to your local National Registry Office.

#### **Liability Insurance**

As a supplement to health insurance, you need a liability insurance to cover personal injury, legal aid and damage to property.

If you do not have such insurance, the PF Office in Building 101F can help you take out a policy, which will be valid as soon as you have paid.

## Arriving in Copenhagen

Coming to Denmark as an international student, you must bring with you the following documents: a valid passport, a visa if required, a letter of acceptance and a residence permit if required.

## National Registration upon arrival (*Folkeregisteret*)

When you arrive in Denmark you need to be registered at a National Registry Office (see chapter 6 for the address and phone number). The procedure is described below.

### *Students from Nordic countries*

You only have to register if your stay exceeds six months. You will need an inter-Nordic certificate from your home municipality recording your change of address. Please give this certificate to your local Danish National Registry Office, which will then issue you a central persons register number (CPR number). No other documentation is necessary.

### *Students from all other countries*

If your stay in Denmark will last for more than three months, you must register at the National Registry Office (*Folkeregisteret*) in the municipality (*kommune*) in which you live in Denmark. Remember to bring your passport and documentation for your residence permit. Ask at the National Registry Office for a receipt of notification of the move and for a temporary personal registration certificate: for example, ask them to enter your new CPR number in your passport.

### **Changing your address**

If you change address during your stay in Denmark, the National Registry Office **in the municipality you move to** must be notified within five days after you move. You don't need to inform your "old" municipality.

## **Leaving Denmark**

After your studies in Denmark are finished, and before you leave the country, you must notify your National Registry Office, which will then cancel your personal registration certificate. ***This is important!***

The National Registry Office in Lyngby (Borgerservice), Toftebæksvej 12 is open on weekdays from 9.30 a.m. to 2.30 p.m. Thursdays until 5.30 p.m. Fridays 9.30 a.m. -13.30 p.m. Their telephone number is + 45 45 97 30 00, and they take calls from 9.00 a.m. If you live in another municipality, ask your landlord or at the student residence where you can find the office. See also the address list in chapter 6.

## How to get to DTU

If you are arriving by train, take the S-train (commuter train) to Lyngby Station and then one of the yellow busses (see chapter 6).

If you arrive by aeroplane, take the train from the airport to Copenhagen Central Station. This train runs every 10-20 minutes and takes 20 minutes to reach the Station. Then take the S-train to Lyngby Station and a yellow bus (see chapter 6). You can also take the Metro from the airport to Nørreport Station where you can catch a bus (150s) that goes all the way to DTU or take an S-train to Lyngby where you catch a bus to DTU. The metro runs every 4-6 minutes.

## Danish and English language courses

For students interested in learning Danish or English, courses are offered (international MSc students are only offered Danish courses). For the English course the only charge is for course materials. The Danish course costs approximately DKK 500.

## Computer access

When you pick up your student ID card at the International Counsellors Office you will receive a user ID. This ID grants you access to DTU's "databars" and all DTU buildings 24 hours a day.

In the databars (Unix) there is a description of the programs available at the databar. This page is accessed by opening a browser.

All students are required to use the Campusnet when signing up for courses during all semesters studying at DTU.

## Where

You can use your new account in any databar at DTU. They are located in Buildings 116, 208, 302, 303, 306, 308, 345V and 421 respectively. There are also computer facilities at DTV.

Although you can use your account in all these databars, your main (or home) databar is the G databar in Building 302; this is where you should go the first time you use your user ID.

It is possible to use the databars 24 hours a day. The doors will be locked, but you can open them with your student ID card from DTU. You should go pick it up at the International Office asap.

### *First time you log on*

The first time you log onto the system, it may ask you to change your password to something you can remember. Otherwise it can be changed via the Campusnet. The new password should be eight characters long and contain letters, numbers and special characters (like !@#%&\* \_).

*The following description only applies to the G databar.*

### *Mail*

If you want to send an e-mail, just click on the envelope in the main panel and the mail program will start. The first time you use the mail program you will have to answer a few questions, but just answer YES to all of them.

Your own e-mail address is:  
(*your user id*) @student.dtu.dk.

### *To learn more about the G databar*

If you want to know more about how to use the databar, here is what to do:

- 1) Click on the terminal on the left side of the bottom panel.
- 2) A window appears. Write "netscape".
- 3) A Netscape window appears. Netscape is a browser for the World Wide Web (WWW), the most sophisticated way to get information from the Internet at the moment. Wherever you see something written in blue, you can click on that

word or phrase and the program will take you to another document related to what is written.

Click on the "How to Use the G-bar" almost at the top of the document. This will take you to a page telling you how to use the facilities at the G databar. From here you can simply 'click' your way around and find all the information you need.

## Weekly Meetings

Every Tuesday evening at 7.30 p.m., Danish and international students meet in the Cellar Bar (*Kælderbaren*) in the Student House (*S-Huset*). These meetings are usually a lot of fun: many social events are planned and you will get a lot of information there. Don't miss it!

## Studying at DTU

When coming to DTU to study you may find that the teaching style, study methods, academic calendar and course evaluations differ somewhat from what you are used to in your country.

### Instruction

The courses you have chosen may be organised as lectures held in auditoriums seating 60 - 200 students or as class discussions in smaller rooms seating 15 - 30 students. At the beginning of the semester, your professor will provide you with a course outline of the course and a list of required/recommended reading. There are in most courses no mid-term exams or other tests during the semester, and usually no - or only very few - mandatory written assignments. Some courses consist of a series of discussions based on oral presentations by groups of about four students. Each group writes a paper which they then present and defend orally.

### Study method

Except for group project work, attendance at classes is not compulsory at DTU. This means that no one checks to see if you are in class. This leaves you with a great degree of freedom, which

should also be paired with a great deal of responsibility and self-discipline.

It is also worth pointing out that Danish higher education is characterised by an analytical approach. Students are not only expected to accumulate and reproduce knowledge, but also to compare, analyse and evaluate on an individual basis.

Last, but not least, we hope that the classroom situation will pave the way for social interaction between Danish and international students and we encourage you to approach Danish students rather than waiting to be approached.

### Academic calendar

DTU has a two-semester academic year.

#### Autumn semester:

13-week period: 01.09.08 - 05.12.08

Winter Examination: 08.12.08 - 22.12.08

3-week period: 05.01.09 - 23.01.09

#### Holidays 2008

Autumn Vacation 13.10.08 - 17.10.08

Christmas/New Year's 23.12.08 - 02.01.09

Winter Holiday 26.01.09 - 30.01.09

#### Spring semester:

13-week period: 02.02.09 - 12.05.09

Summer Examination: 18.05.09 - 04.06.09

3-week period: 08.06.09 - 26.06.09

#### Holidays spring 2009

Easter holidays 06.04.09 - 13.04.09

St. Bededag (Danish

national holiday)

Ascension Day 21.05.09 - 22.05.09

Whitsun holidays 01.06.09

Danish Constitution Day 05.06.09

### Class schedule

Classes are scheduled in the weekly timetable according to their time table group.

A schedule detailing time and place for each course is available in printed form at the Study Information or on the Internet at [www.dtu.dk](http://www.dtu.dk)

### **Examination registration and cancellation**

Your Course Registration also serves as registration for the examinations.

Please note that examination dates cannot be altered.

It is, however, possible to cancel your attendance at an examination up to two weeks before the examination is held. Please contact International Affairs or the Study Information Office for information.

#### *Illness*

Should you become ill and thus be unable to take or complete an examination, you will be allowed to re-take the examination the following semester. You must get a medical certificate from your doctor on the day of the examination and send it to International Affairs.

#### *Changing the Date of Examination*

If it is necessary for you to leave the country during the examination period, you may apply to take the exam at your home university: such applications must be addressed to the proper staff-student committee. However, permission is only granted for very special reasons. Examinations you are scheduled to take at your home university are not sufficient grounds to leave DTU during the examination period.

#### *Written examinations*

The examination language for international students is English as long as the language of instruction was English. Information on examination rules, etc. given to Danish students before or during examinations will be provided in written form in English for international students.

You will not be allowed to enter the examination room if you are not there at least 15 minutes before the examination starts. You must show your student ID at the door.

Students must bring their own pens, pencils, etc. For some exams you will also be allowed to bring a pocket calculator. The teacher will tell you what

you are allowed to bring, this is also stated in the course catalogue.

#### *Rules during the exam*

During the first hour of a written examination an examiner will be present or on call to clarify anything unclear in the examination paper. During the examination, the candidates may in no way communicate with each other or with persons either inside or outside the examination room. If necessary, you may attract the attention of an invigilator by raising your hand if, for example, you need more paper or wish to go to the lavatory.

Smoking is forbidden in the examination room. Smoking outside the examination room is permitted as long as an invigilator is present.

You may bring some snacks and beverages, but must take any empty bottles with you when you leave.

#### *Handing in*

Paper and a cover are provided by DTU; only the paper provided officially must be used. The yellow paper is for writing drafts, and what you hand in should be written in ballpoint pen or a similar instrument on the white paper. Your name and ID number must be on all sheets of paper you turn in at the end of the exam. You may not hand anything in or leave the room for the first hour of the examination.

After the first hour, you may hand in your exam to one of the invigilators. If you have not handed in your exam prior to the last 15 minutes of the examination, then you must remain seated until an invigilator has collected all the papers.

Any sheets of paper you take outside the examination room cannot be turned in as part of your exam.

#### *Examination Results*

You will receive oral examination results immediately after the exam. Written examination marks are posted on the CampusNet before the end of the following three-week period. You can

get a notification by e-mail when new grades are posted. You do this in the settings in your CampusNet page.

#### *Transcripts*

Your transcript will be sent to you approximately two months after examinations are finished.

#### *Complaints*

If you would like to complain about the examination, you must do so within two weeks after your marks were posted or announced.

#### *Course Assessment*

Evaluation of oral and written examinations is explained in the relevant study guide (in the section on choice of evaluation form).

Naturally, the analytical approach characteristic of Danish higher education influences the way you will be evaluated at your examinations. Students are expected to read, understand and analyse the required reading: it is not enough only to attend classes and take notes.

#### *The official Danish grading system*

At DTU, marks are awarded according to the official Danish grading system, the so-called "7-grade scale" system. To pass an examination, you must receive a minimum grade of 2. The Danish grading system is based on individual assessment, not on a curve in which students are graded relative to each other.

The "7-grade scale" has five pass grades and two non-pass grades.

Marks awarded according to the 7-grade scale are divided into six groups: excellent (12 and 10), good (7), average (4), passable (2) and unsatisfactory (00 and -3). The lowest grade a student may receive and still pass an examination is 2 (two).

Some courses are only evaluated as "passed" / "not passed".

The 7-grade scale is entirely comparable with the ECTS-point scale and has the same number of grades with corresponding designations.

Exchange students should consult their home university about the transfer of academic credit for their studies in Denmark before and after their stay.

#### **Description of the 7-grade scale**

<b>Value</b>	<b>Designation</b>	<b>Description</b>	<b>ECTS</b>
12	Outstanding performance	Is given for an excellent performance displaying a high level of command of all aspects of the relevant material with no or only a few minor weaknesses.	A
10	Excellent performance	Is given for very good performance displaying a high level of command of most aspects of the relevant material, with only minor weaknesses.	B
7	Good performance	Is given for a good performance displaying good command of the relevant material but also has some weaknesses.	C
4	Average performance	Is given for a fair performance displaying some command of the relevant material but also some major weaknesses.	D
02	Passable performance	Is given for a performance only meeting minimum requirements for acceptance.	E
00	Inadequate performance	Is given for a performance which does not meet the minimum requirements for acceptance.	Fx
-3	Unacceptable performance	Is given for a performance which is unacceptable in all aspects.	F

## Exam schedule

<b>Winter examinations 2008 December</b>		<b>Summer examinations 2009 May - June</b>	
Date	Timetable group	Date	Timetable group
08.12.2008	01005, 01009,01035, 01905, 02393, 42425	18.05.2009	01005, 01009,01035 01905,02393, 42425
09.12.2008	F1-A	19.05.2009	F1-A
10.12.2008	F1-B	20.05.2009	F1-B
11.12.2008	F2-A	25.05.2009	F2-A
12.12.2008	F2-B	26.05.2009	F2-B
15.12.2008	F3-A	27.05.2009	F3-A
16.12.2008	F3-B	28.05.2009	F3-B
17.12.2008	F4-A	29.05.2009	F4-A
18.12.2008	F4-B	02.06.2009	F4-B
19.12.2008	F5-A	03.06.2009	F5-A
22.12.2008	F5-B	04.06.2009	F5-B

# 6. Practical Information

## Living expenses in Denmark

It is expensive to live in Denmark. Many students work during their studies to pay for their everyday needs. Since this is not possible for exchange students, it is important that you are aware of the cost of living well in advance.

There are no especially inexpensive eating places for students - or in general, it is not possible to eat out every day on a student budget. At most Danish institutions of higher education, you will find student canteens or cafés; they may be cheap, but not much, and they only offer a limited variety of foods.

### A Student's Budget

All amounts are in DKK

Monthly expenses:

Rent (including heat) .....	2.400
Transportation .....	570
Books .....	400
Food & household expenses .....	1.500
Laundry .....	120
Clothing.....	300
Set aside for quarterly expenses (e.g. electricity & phone) .....	200
Leisure and sundry (tobacco, beer, magazines, cinema, dentist, medicine) ...	530
Total .....	6.020

The following pages will provide you with relevant information addresses and phone numbers. Please note that some of this information is subject to change and therefore there is no guarantee that all the information is correct, so we advise you to get detailed information yourself.

## Transportation

*Busses from Lyngby Station to and from the Technical University of Denmark*

The 590P and 591P, with departure every five minutes in the morning from Lyngby Station and in the afternoon from DTU. The 300S has departures every 10 minutes in the morning from Lyngby and in the afternoon from DTU. The 190 has departures every 20 minutes during the day. The trip takes about 10 minutes.

The 150S is a direct bus which goes on the express way from DTU and the Copenhagen city centre (Nørreport Station).

The commuter train line to Copenhagen and suburbs leaves from Lyngby Station. There is a ticket office in the railway station building.

The "Nærumbanen" a small local train line running between Jægersborg and Nærum. It does not run all the way into Copenhagen; the train is unofficially called *Grisen* ("The Pig"). The local train stop in Lyngby is on the Toftebæksvej Street near the shopping mall.

If you use public transportation a lot, you can save money by buying a card good for all travel on the commuter system for a month, or you can buy a punch ticket, of which there are several types and prices (blue, yellow, pink or grey depending on how far you want to travel). Do not forget to punch them by inserting them in the yellow ticket machines each time, or you risk a DKK 500 fine. Buy the monthly cards at any DSB ticket office. DSB offices, most kiosks and 7-11 sell the punch ticket.

Another possible form of daily transport is the bicycle, now achieving long-forgotten popularity as a cheap, clean and efficient means of

transportation. Most main roads, both in town and in the country side, usually have separate bicycle paths. Remember, the highest point in Denmark is only about 170 m = 500 ft. above sea level!

If you do not want to buy a new bicycle, look in the second-hand ads, where it is not hard to find a bargain. Try, for example, "*Den Blå Avis*", which is a gold mine for buying or selling second-hand items. See [www.dba.dk](http://www.dba.dk) or get it for free at e.g. Føtex or Bilka.

There is also a chance for a good bargain at the "police auctions" in Copenhagen. These usually take place several times a month. Exact dates are announced in Danish newspapers, but you can also contact them by telephone on <http://www.topauktioner.dk>  
Slotsherrensvej 113, 2720 Vanløse  
Tel.: 39620272

The auction will be in Danish, so it is a good idea to bring a person who speaks Danish. If you do buy a bicycle, be sure also to buy a good strong lock - and use it whenever you leave your bicycle: bike theft is very common.

## Other Information

### Telephoning

Note that domestic and international telephone calls are half-price between 7.30 p.m. and 8 a.m. on weekdays and from 7.30 p.m. Saturday to 8 a.m. Monday.

Danish mobile sim cards can be bought at all mobile telephone shops like TELIA, TDC, and SONOFON. With this you buy phone cards worth e.g. 100kr.

To make an international call from Denmark, first dial **00**, followed by the country code of the country, and then the rest of the number. If you are calling Denmark, the country code is **45** (don't forget your country's international access code first, in many European countries also **00**).

Country codes and instructions in the use of telephones can be found at the beginning of telephone directories.

The Tele Denmark Telephone Company publishes the main telephone directory/yellow pages (NAVNEBOGEN/FAGBOGEN, volumes A -K and L - Å.)

### Service numbers:

Directory information, numbers in Denmark..# 118  
Directory information, numbers abroad .....# 113  
To make a collect call in Denmark .....# 110  
To make a collect call to a number abroad....# 115  
Emergency number (ambulance, police, fire)# 112

The public offices in all municipalities are listed in local telephone directories. The local directory for Lyngby is called *Lokaltelefonbog - Lyngby-Taarbæk og Søllerød*.

### Shopping Hours

Shops are normally open Monday - Thursday, 9 a.m. - 5.30 p.m., Friday 9 a.m. - 7 p.m. and Saturday 9 a.m. - 2 p.m. Some supermarkets and large stores remain open later on weekdays. On the first and last Saturday in every month, many shops in Lyngby stay open until 4-5 p.m.

Limited supplies of goods are sold at service stations, convenience stores and kiosks that may stay open till 10 p.m. and during the weekend. Some of them are open 24 hours a day.

### Daylight Savings

Like most other European countries, Denmark is on daylight savings time in March - October.

### News in English

Every weekday, Radio Denmark has five-minute news report in English at 8.31 am on Program 3 (P3: FM 93.9 MHz).

### Papers and Magazines

International papers and magazines are sold in Lyngby in the Centerkiosken in the Lyngby shopping centre.

### **Tipping**

Tips are only expected in the case of exceptional service.

### **Electricity**

230 V

### **VAT**

In Denmark, there is a 25% VAT on almost all goods and services. Prices displayed in shops always include VAT, while the price of services is often listed without VAT. If you are in doubt, ask.

In some shops, you can get a partial VAT refund if you buy something to send out of the country. There is usually a certain minimum purchase amount, and you usually have to show your passport (it is only available to non-Danes). Look for the red and white TAX-FREE sign and ask about the rules.

### **Water**

It is perfectly safe to drink the tap water in Denmark.

### **Spelling**

The Danish alphabet has three letters not found in the English alphabet: Æ, Ø, and Å. All three are vowels, and they come after the letter Z in the Danish alphabet. In modern Danish, the Å is actually used instead of AA. Words spelled with "å/aa" may then appear in either form, e.g. Aarhus or Århus, but the meaning and pronunciation are exactly the same. There are no rules as to which form of the word should be used.

## **Addresses and Phone Numbers**

### **Lyngby-Taarbæk**

Rådhuset (town hall)  
Toftebæksvej 12 (Lyngby Storcenter)  
2800 Lyngby  
Tel.: 4597-3000

### **Gentofte**

Rådhuset  
Bernstorffsvej 161  
2900 Charlottenlund  
Tel.: 3998-0000

### **Rudersdal**

Rådhuset  
Øverødvej 2  
2840 Holte  
Tel.: 4611-0000

### **Gladsaxe**

Rådhuset  
Rådhus Allé  
2860 Søborg  
Tel.: 3957-5000

### **København (Copenhagen)**

Københavns Folkeregister  
Dahlerupsgade 6  
1603 Copenhagen V  
Tel.: 7080-7010

### **Frederiksberg**

Frederiksberg Folkeregister  
Frederiksberg Bredgade 11  
2000 Frederiksberg  
Tel.: 3821-2100

### **Police Station**

Lyngby Politi  
Hummeltoftevej 14  
2830 Virum  
Tel.: 4585-1448

### **Public library**

Public libraries are free of charge. You can borrow books, magazines, art, records, CDs and DVD's, usually for one month at a time.

You get a library card by showing your national registration certificate at the main library in Copenhagen or one of its branches.

The libraries also have foreign newspapers and magazines in the reading rooms and, in many cases, the librarian can help you find information.

Libraries also arrange cultural events such as lectures, films and exhibitions. Ask for a program at the library desk.

The address of the library (*Stadsbiblioteket*) in Lyngby:  
Stadsbiblioteket  
Lyngby Hovedgade 28  
2800 Lyngby  
Tel.: 4588-1700

### **Medical treatment**

If you are registered in the National Register and have a CPR number, the doctor's telephone number will be on your yellow National Health Service medical card. If not, look in the telephone directory under *Læger* ("Doctors"). If you are too ill to go out, you can make an appointment for a house call.

From 4 p.m. to 8 a.m. at weekends and during public holidays you have to call the doctor on call (*lægevagten*) in your local area. You will be put in contact with a doctor, who will inform you as to what you should do next. (On Constitution Day [5 June], Christmas Eve and New Year's Eve you can call from 12 am). Tel. no.: 4453-4400.

If you need urgent medical treatment, you can go to a hospital emergency ward (*Skadestuen*). Closest to Lyngby is:

Amtssygehuset i Gentofte  
Niels Andersens Vej 65  
2900 Hellerup  
Tel.: 3977-3977

### **Dentist**

You are free to choose your own dentist; they are in the telephone directory under *Tandlæger*. Make an appointment and remember to take your National Health Service medical card if you have one. If you do, your treatment will be partly paid for by the National Health Service - but remember to ask how much it will cost. Treatment can be expensive.

In case of emergency, the dental emergency ward (*Tandlægevagten*) is open every weekday between

8 p.m. and 9.30 p.m. On Saturdays, Sundays and public holidays it is also open between 10 and 12 in the morning. Treatment must be paid for in cash on the spot. Remember your national registration card.

*Address:*  
Tandlægevagten  
Oslo Plads 14 (close to Østerport S-station)  
2100 Copenhagen Ø  
Tel.: 3538-0251

### **Banking**

Any non-Danish citizen can open an account connected to an ATM card with a Danish bank as soon as a Social Security Number (CPR) is granted by the municipalities. Passport and the CPR-number is necessary.

Danske Bank (SWIFT code: DABADKDK) has a branch at DTU. This branch is a non-cash branch meaning, that you cannot exchange foreign currency or pay bills without having an account with Danske Bank. If you need to open the account before coming to Denmark in regard to applying for visa etc., you can contact Danske Bank's main branch at [student@danskebank.dk](mailto:student@danskebank.dk).

You can use the following ATM/debit/credit cards in the ATM machines at Danske Bank, DTU (as well as in other banks): Eurocard, Visa, Cirrus, MasterCard, Visa Elektron, Maestro, Grønlandsbanken, Diners Club and American Express. Do not forget your PIN code.

Visa/Dancards in connection with an account can individually be applied for.

## **Tourist Information Centre**

### *Address in Lyngby*

Lyngby Turistinformation  
Lyngby Torv 5  
2800 Lyngby  
Tel.: 4588-6616

### *Address in Copenhagen*

Vesterbrogade 4A  
DK-1620 København V  
Tel.: 7022-2442

## **Pharmacies**

Pharmacies are open during normal shopping hours. The pharmacies in Lyngby are

Svaneapoteket  
Lyngby Hovedgade 27-29  
2800 Lyngby  
Open 24 hours a day

Rådhusapoteket  
Jernbaneplassen 16-18  
2800 Lyngby  
Open 8 am - 6 pm  
Saturdays 8.30 a.m. - 1 p.m.

Note that the sale of medicine is restricted by law, so you may need a doctor's prescription to buy certain types of medicine. Often the doctor is willing to make a prescription by telephone: you call during telephone consultation hours (for most doctors, between 8 and 9 am), and the doctor faxes the prescription direct to the Pharmacy, where you can pick it up later that same day. Doctors need your central persons register (CPR) number to write a prescription.

# 7. Denmark and the Danes

A natural starting point for information about Denmark and the Danes is a few facts about the country and its population.

Denmark (in Danish: *Danmark*)  
Area ..... 43,092 square kilometres  
Coastline ..... 7,313 km  
Population ..... 5,387,174 (2003)  
Capital ..... Copenhagen (*København*)  
Flag ..... Red with a white cross  
Language ..... Danish  
Currency ..... 1 krone = 100 øre  
Constitution ..... Constitutional monarchy  
Parliament ..... Folketinget, 179 members  
Direct election every fourth year  
Chief of State ..... Queen Margrethe II (reigning since 1972)  
Prime Minister ..... Anders Fogh Rasmussen (Venstre)  
State Religion ..... Evangelical Lutheran

## History

### *Viking era: 793-1066*

The Viking era dates back to the first half of the 8th century. During the following three hundred years, Scandinavia (Norway, Sweden and Denmark) played a prominent part in many dramatic events in Europe. The Viking era ended around the middle of the 11th century.

The three Viking centuries changed Denmark fundamentally. From being an almost unknown heathen area, Denmark became a well-defined kingdom belonging to the European Christian Societies.

### *Monarchy*

The Danish Monarchy is Europe's oldest. The first members of the Danish royal family, Gorm the Old and Tyra, are known to have lived around the middle of the 10th century. His son Harald, also known as Harald Bluetooth succeeded Gorm as king. The Danish monarchy has existed since then. The Danish monarchic line, stretching from Gorm the Old to the currently reigning Queen Margrethe II (1972) includes 54 names.

### **Geography**

Denmark is located in northern Europe, between the North Sea and the Baltic and between Continental Europe and the Scandinavian Peninsula. The total area of the country is about 44,000 square kilometres.

### *An island kingdom*

Aside from the Jutland peninsula, Denmark consists of 406 islands connected by numerous bridges and ferries, with a total coastline length of 7,300 km, or one-sixth of the circumference of the earth. No one in Denmark lives more than 52 km from the sea.

The Kingdom of Denmark also includes the world's largest island, Greenland, and the Faroe Islands. Both area located in the North Atlantic and both have home rule.

### *Landscape*

The Danish countryside is rather flat. The highest point is 180 metres above sea level, and bedrock is found only on the island of Bornholm. Characteristic of the countryside is agricultural land with numerous cultivated areas, groves, forests and streams. About 65 per cent of the country is farmland, 12 per cent is woodlands and the remaining 23 per cent consist of towns, roads and lakes.

### **Climate**

February is the coldest month of the year, with an average temperature of minus 0.4 degrees Celsius, and July is the warmest, with an average of 16.6 degrees Celsius - a typical island climate. However, there may be short periods of cold weather, down to minus 5 degrees Celsius, and of hot weather, up to about 30 degrees Celsius.

There is usually a brisk breeze blowing in Denmark; the average wind speed throughout the year is 7.6 m/sec. The autumn, especially October/November, often brings storms with violent winds.

The old saying "if you don't like the weather, wait five minutes" certainly applies to Denmark. A sunny day can quickly change from sun to rain and then back to sun again - especially in the autumn.

The Danish climate varies so much that it is wise to bring a raincoat and warm winter clothes.

### **Population**

The total population is about 5.4 million, of which 3.6 per cent are non-Danish citizens. A woman can expect to live to the age of 78 and men to the age of 72.

### **Currency**

The Danish currency is the *kroner*; the plural is *kroner*, and the ISO currency designation is DKK.

1 krone = 100 øre.

1 Euro = about 7,5 kroner

1 English pound = about 11 kroner

1 US dollar = about 6,5 kroner

<http://www.xe.com/ucc/>

### **Religion**

In terms of race and religion, Denmark is one of the most homogenous populations in the world. For every 100 Danes, 90 are members of the state Lutheran Evangelical Church (Protestant). There are also various other religions with their own houses of worship. Only one per cent are Catholics.

### **Capital**

The Danish capital is Copenhagen (in Danish *København*), a city known to tourists for its Tivoli Gardens and the statue of the little Mermaid. Copenhagen has 1.4 million inhabitants. Copenhagen was the European City of Culture in 1996.

### **The political system**

Denmark is a constitutional monarchy and has a single-chamber parliamentary system, supplemented with referendums. Folketinget (parliament) has 179 members, including two from the Faroe Islands and two from Greenland. Christiansborg Palace in the city of Copenhagen is the seat of the Parliament.

The voting age is 18, and elections are decided by proportional representation with a lower limit of two per cent of the vote. There are currently eight political parties. Danes are active participants in parliamentary elections: up to 90% of the population vote.

### **Internationalization**

With its small population of five million people, Denmark resembles a postage stamp beside other, larger nations. Its dimensions make it difficult for Denmark to draw attention to itself, which may be the reason why Danes are strongly inclined to seek contacts beyond their country's borders. This is also true at an official level, where Denmark participates in practically all forms of international co-operation.

#### *Organisations*

Denmark is a member of the European Union, the United Nations, NATO and the Nordic Council. Danes often also have the urge to travel and discover as their Vikings forefathers did, although in an absolutely peaceful manner.

### **Industry and service sectors**

Children and young people are often called Denmark's raw materials. Whatever one thinks of this description, it may be attributed to the fact that Denmark is extremely poorly endowed with

raw materials. Apart from fertile soil (agriculture), chalk (cement, clay, bricks) and oil and gas in the North Sea, its only resources are education, ideas and a talent for commerce. At present, the most rapidly expanding industrial sectors are biotechnology, information technology and software, food and beverages, and the development of technology for environmental protection and energy conservation.

### *Shipping*

The long ocean voyages by the Vikings marked the start of Denmark's proud seagoing tradition and the growth of an industry of shipbuilding and marine equipment. Denmark is an island kingdom with an extensive fishing industry. The Danish shipbuilding industry produces every type of vessel, from pleasure yachts to supertankers.

### *Companies*

Small and medium-sized companies (77% employ less than 50 people) dominate the Danish business community. The typical Danish industrial concern has a single owner and is based on that person's ideas and savings. If his or her ideas are good, the firm sometimes grows and becomes an international business.

### *Products*

The Danes love their food - a fact which helps explain the success of their products on the world market. Quality control, hygiene, skill and knowledge make Denmark - a small nation of just 5.4 million people - the fifth largest exporter of food in the world. Famous Danish foodstuffs are herring (fish), Carlsberg and Tuborg (beer), snaps (aquavit/bitter), Danablu and Esrom cheeses, bacon, marzipan confectionery, pastry, butter cookies and other products. Foods and beverages constitute the largest industrial sector in Denmark.

Among famous Danish manufacturers are Bang & Olufsen (consumer electronics), LEGO (toys), Novo Nordisk (pharmaceuticals), Danfoss and Grundfoss (pumps), the A.P. Møller Co. (a conglomerate of shipbuilders and transport companies), Oticon (hearing aid technology), Tele

Danmark (telecommunications), SAS (the airline, a company owned by Norway, Sweden and Denmark), Dandy and Stimorol (chewing gum), and MD foods (dairy products).

### *Services*

The service sector is the largest economic sector today, counting for 66% of the labour market (1988). Denmark does not differ significantly from other western countries in this respect. Important service areas are tourism, marine transport, insurance, patents, software, cleaning etc.

## **The educational system**

### *Education*

All children in Denmark can read and write. Compulsory education was introduced as early as 1814. Education has always been free, and even private schools are eligible for state subsidies. Nowadays there are nine years of compulsory primary education.

### *Primary and lower secondary school*

Primary and lower secondary school starts at the age of 6/7 and continues for 9 or 10 years to the age of 16 years. About 93 per cent continue their education at upper secondary level.

### *Upper secondary education*

Denmark offers a great variety of academically and vocationally oriented upper secondary educations.

### *Vocationally orientated*

Vocationally orientated education is either a form of apprenticeship, basic training lasting two to four years, or one year of basic studies (the so-called HG) plus two years of apprenticeship (HH; see below).

### *General education*

Upper secondary school (*gymnasium*), which takes three years, is generally divided into two types of study: 1) maths and sciences or 2) languages.

HF (Higher Preparatory Exam) (2 years)

HHX (Higher Commercial Exam) (2 years)

HTX (Higher Technical Exam) (2 years)

All these education programs allow students to apply for admission to institutions of higher and further education.

#### *Higher education*

Students who wish to continue studying after secondary school can continue at university or college level. The minimum age of such students is 18.

#### *University sector*

Denmark's university sector consists of eight universities specialising in fields such as engineering, veterinary science, pharmacy, art, architecture and business studies; and six music academies. The university sector offers both undergraduate and graduate courses up to the highest academic level, including doctorates.

#### *College sector*

The college sector comprises more than 100 specialised colleges of higher education, offering two- or four-year professional courses of study in fields such as education (teaching), social work, physiotherapy, nursing and engineering. About 35 per cent obtain a higher education degree or diploma and about 35 per cent take vocational training.

Higher education is generally divided into three cycles:

Short: two-year higher education courses

Medium: three- or four-year higher education courses leading to diplomas or degrees at the BA or BSc level.

Long: higher education lasting five years or more leading to Master's degrees.

## Copenhagen

This subject could fill a whole book and space here is limited. The following is just a general introductory guide to Copenhagen. We recommend that you take advantage of the Buddy Reception Program at DTU. Your buddy can give you current information on what is happening, show you around town and tell you where to find the good deals.

### Restaurants

It is rather expensive to go out for dinner in Copenhagen - if you don't know where to go. If you want to eat in Copenhagen try going out for lunch instead: it is usually about half of what you pay in the evening. Of course, you can also settle for a hot dog at one of the many stands or try a kebab, a filled pita bread which costs around DKK25. There are many pizza restaurants with all-you-can-eat deals for about DKK 50. Vesterbro has many ethnic restaurants, which are quite inexpensive - also in the evening. There are quite a few ethnic restaurants on Vesterbrogade and Nørrebrogade, especially with Turkish and Pakistani cuisine. They often have a buffet for around DKK 60-70.

### Cafés/bars

One thing you'll never have problems finding in Copenhagen is a cafe. While there, stock up on *Go Cards*, which are free postcards with many interesting and odd motifs, although they are basically advertising. On a warm, sunny day go down to *Nyhavn*, a small harbour which consists of one long row of bars, cafés and restaurants. Many bars have a happy hour (usually called "Double Up") a couple of afternoons or evenings a week.

At *Studenterhuset*, located at Købmagergade 52 (near the Round Tower), Wednesday nights are International Night. This is a great opportunity to meet students from all parts of the world, including Denmark! Drinks are relatively cheap here –

compared to the cafés - and it is possible to become a member of *Studenterhuset*, which gives you a discount on drinks. You can also work as a bartender - no pay, but great fun.

### Nightclubs/discos

There are lots of nightclubs and discos as well, but they can get really expensive. It usually costs about DKK 60 to get in and on top of that you have to pay to check your coat. Drinks are typically at least DK 60 - you may want to drink somewhere else before or afterwards. Discos outside Copenhagen will usually be less expensive. Most discos stay open until 5-7 am.

### Movies

Foreign films are never dubbed (except children's films) but have Danish subtitles. Monday through Thursday, tickets are about DKK 20 off the regular price. The normal price for an evening is about DKK 70, but prices vary. Tickets do sell out sometimes, especially when there's a new, 'big' movie out, so you may want to call ahead and make a reservation, which is free. All you have to do is pick up the ticket around an hour before the show. Matinéés (daytime showings) are usually cheaper and less crowded. The newspapers have daily listings.

### Concerts

*S-Huset* at DTU often holds concerts, and Copenhagen certainly has a great deal to offer in this department. Again, check the newspapers to find out what's happening or check out the Web sites listed below. There are lots of outdoor concerts during the summer, e.g. *Femøren* on Amager, *Grøn Koncert*, *Copenhagen Jazz Festival* (always starts the first Friday in July; goes on for 10 days), *Roskilde Festival* (always the last weekend in June), and *Midtfyns Festival* (always first weekend in July).

### Some useful Web sites

<http://www.visitdenmark.com> Lots of information in English about Denmark.

<http://www.copenhagencard.dk/show.asp?id=1>

Wonderfull Copenhagen

<http://www.explore-copenhagen.com>

Another Copenhagen site

[www.x.dtu.dk](http://www.x.dtu.dk) Has a concert calendar

[www.uradio.ku.dk/eksterne/studenterhuset/program.htm](http://www.uradio.ku.dk/eksterne/studenterhuset/program.htm) The *S-huset's* home page

TIP: If you are looking for information about Denmark on the Internet, you can use the Danish search engine at [www.jubii.dk](http://www.jubii.dk).

### Meeting the Danes

#### The Danes

During your next few months in Denmark, you will undoubtedly form your own opinion about the Danes, and so you should. It is, after all, one of the reasons why you are here. We do not intend to supply you with a whole set of views in advance but only give you a few hints, which may make your stay a bit easier from the beginning.

#### Making contact

It may seem difficult to come into contact with the Danes. This may be because Danes are generally reserved, afraid of bothering other people and not wanting to impose themselves on strangers. However, do not hesitate to talk to them. Most Danes will be happy to help you and to practice their English.

#### Lifestyles

A Dane will usually fulfil his social needs in a narrow circle of family, colleagues and a couple of close friends. The home is a central concept in the life of a Dane, and the Danes put a lot of effort and money into making their homes comfortable and "hyggelige" (cosy). "Hygge" is a key word in the Danish way of life, which generally means focusing on forgetting daily problems for a while and enjoying the simple things in life. Young people like to meet their friends in one of the many cafés for a cup of coffee or a beer.

### Language

The most obvious distinction Danes make among themselves is their language. Regional accents reveal where people are from, although social class is less marked by accent than in countries such as Great Britain.

Danes have not had to deal with major ethnic or cultural differences in Denmark, which may explain why they are curious about other countries. Almost all Danes speak some English (their principal second language), and they often speak German or French as well. Many have some acquaintance with one of the Romance languages, and with Swedish and Norwegian, which resemble Danish quite a bit.

Denmark is divided into east and west in more than one sense. The sea divides Denmark and most people tend to think there are significant cultural differences between the people from Zealand (east, and Copenhagen) and those from Jutland (west, and the "provinces").

## 8. Departments of DTU

DTU is divided into 15 departments. Below is given the name of the departments, the name of the head of the department and contact phone and fax number.

For more detailed information on the departments please visit:

[http://www.adm.dtu.dk/institutter/index\\_e.htm](http://www.adm.dtu.dk/institutter/index_e.htm)

When phoning from abroad dial international access code plus 45 (country code for Denmark) then the remaining eight digits of the number.

	<i>Department</i>
MAT	<b>DTU Mathematics</b> Tel: +45 45 25 30 31 Fax:+45 45 88 13 99 E-mail instadm@mat.dtu.dk
IMM	<b>DTU Informatics</b> Tel: +45 45 25 33 51 Fax:+45 45 88 26 73 E-mail reception@imm.dtu
FYS	<b>DTU Physics</b> Tel: +45 45 25 33 44 Fax:+45 45 93 16 69 E-mail: info@fysik.dtu.dk
BYG	<b>DTU Civil Engineering</b> Tel: +45 45 25 17 00 Fax:+45 45 88 32 82 E-mail byg@byg.dtu.dk
M&R	<b>DTU Environment</b> Tel: +45 45 25 16 00 E-mail info@er.dtu.dk
CTT	<b>DTU Transport</b> Tel: +45 45 25 65 00 E-mail: transport@transport.dtu.dk

KI	<b>DTU Chemistry</b> Tel: +45 45 25 24 19 Fax:+45 45 88 31 36 E-mail: isc@kemi.dtu.dk
BiC	<b>DTU Biosys</b> Tel: +45 45 25 26 00 Fax:+45 45 88 49 22 E-mail: info@bio.dtu.dk
KT	<b>DTU Chemical Engineering</b> Tel: +45 45 25 28 00 Fax:+45 45 88 22 58 E-mail: kt@kt.dtu.dk
ØRS TED* DTU	<b>DTU Electrical Engineering</b> Tel: +45 45 25 38 00 Fax:+45 45 93 16 34 E-mail: info@elektro.dtu.dk
DRC	<b>DTU Space</b> Tel: +45 35 32 57 00 E-mail: office@space.dtu.dk
MIC	<b>DTU Nanotech</b> Tel: +45 45 25 57 00 Fax:+45 45 88 77 62 E-mail: mic@mic.dtu.dk
COM *DTU	<b>DTU Fotonik</b> Tel: +45 45 25 63 52 Fax:+45 45 93 65 81 E-mail: info@com.dtu.dk
MEK	<b>DTU Mechanical Engineering</b> Tel: +45 45 25 19 60 Fax:+45 45 88 43 25 E-mail: info@mek.dtu.dk
IPL	<b>DTU Management Engineering</b> Tel: +45 45 25 48 00 Fax:+45 45 25 48 05 E-mail: info@man.dtu.dk
FOO D	<b>DTU FOOD</b> Tel: +45 72 34 70 00 E-mail: food@food.dtu.dk
Risø	<b>Risø DTU</b> Tel: +45 4677 4677 Fax:+45 4677 5688 E-mail: risoe@risoe.dk