Welcome to the Department of Physical Geography and Ecosystem Sciences
Good to know when studying at Lund University
Welcome to Lund University

Welcome to Lund University where a European cultural tradition going back hundreds of years lives side by side with dynamic developments in education and research for the benefit of society, today and tomorrow.

Our university has all the advantages of a wide academic range and highly-qualified staff. We offer a rich and diverse academic environment with creative links between students and teachers, international cutting-edge researchers and between university and community.

Lund University is Scandinavia's largest institution for education and research. We are active in Lund, Malmö and Helsingborg, and have a comprehensive global network of contacts and growing co-operation within the Öresund University.

Our focus is on students, teachers and researchers. We believe it is important that our students realise the full significance of learning, critical thinking and creativity.

Per Eriksson
Vice-Chancellor
1. To Study at Lund University

To study in Lund means that you are part of a stimulating life as a student, with associations, unions and student clubs (nations), debates, parties, film and theatre, specs, student evenings inviting prominent speakers etc. Through the multitude of subjects, environments and people that study at Lund University, everyone can feel welcome and recognize themselves.

If you come from a background where higher education is not very common, you should feel especially welcome. We want the student body at Lund University to be a reflection of the whole society and we want to meet every student in a personal way in order to help and facilitate. We especially work hard so that students with disabilities will get on well. More information about this is found later in this document.

Today you have to choose your education with care. Few things in life have a greater value than a good education. At Lund University we strive to offer first-class education in an international and multidisciplinary environment. It is our goal that you will succeed with your studies but also that you will get the opportunity to develop your personal talents.

At Lund University you will work with experienced, involved lecturers that are also active researchers who can give insight to the latest findings within your field of study.

We hope your arrival will be, or has been, smooth. The information on these pages is about getting to, getting settled in, and getting around, Lund and Lund University.

Moving is always exciting and unsettling. Moving to a new country with a foreign culture and language could be even more so. Feeling excited, home-sick, happy, lost, tense or jet-lagged in the first few weeks is perfectly natural - to be expected even, and you will probably experience similar feelings when you return home.

Maybe you are an optimistic extrovert and adapt really easily, maybe you are more of a shy and/or anxious person or a bit of both with any of the other multitude of human characteristics. Whoever you are, we hope that your stay in Lund will be rewarding in every sense of the word.

Please ask questions and ask for help, make contacts and make friends. The vast majority of human beings enjoy helping others out. If one doesn't, he or she may be having a bad day, maybe uncomfortable speaking English or maybe crabby by nature or history, then try someone else!
1.1 External Relations Office and the International Desk

The external relations staff is happy to answer questions and discuss possible problems with you. Do not hesitate to contact them. However in many cases the International desk and web-services will probably be enough to get answers to your questions.

**Address:**
Lund University, Box 117  
SE-221 00 Lund, SWEDEN

**Visiting address:**
Stora Algatan 4

**Phone:**
+46 (46) 222 0100

**Fax:**
+46 (46) 222 4111

**E-mail:**
studentreception@lu.se

**Homepage – see below**

1.2 International Housing Office

The International housing office is dealing with student rooms and student apartments.

**Address:**
Lund University, Box 117  
SE-221 00 Lund, SWEDEN

**Visiting address:**
Winstrupsgatan 8  
*Normal visiting hours 13-15 weekdays, extended during semester start up*

**Phone:**
+46-46-222 0100

**Fax:**
+46-46-222 8895

**E-mail:**
luacc@se.lu.se

**Homepages that may be useful:**

- University main page: [http://www.lunduniversity.lu.se/](http://www.lunduniversity.lu.se/)
- Student health home page (very useful): [http://www.lunduniversity.lu.se/o.o.i.s/24754](http://www.lunduniversity.lu.se/o.o.i.s/24754)
- Housing: [http://www.lunduniversity.lu.se/international-students/apply-fees-scholarships-housing](http://www.lunduniversity.lu.se/international-students/apply-fees-scholarships-housing)
- External affairs: [http://lucat.lu.se/LucatWeb/MainServlet?task=view_english_organization_information000005333&username=](http://lucat.lu.se/LucatWeb/MainServlet?task=view_english_organization_information000005333&username=)

1.3 Insurance for Students

If you are an EU/EEA citizen you should make sure to bring your E128 or E111 form or the European Health Insurance Card. This document is also a health insurance, which will guarantee you medical treatment on the same conditions as Swedish citizens. Furthermore, acquiring a residence permit requires that you show proof of health insurance. Contact your regional social insurance office for an E128 or E111 form or the European Health Insurance Card.
It could be a good idea to investigate possibilities to add an insurance of your own to cover things that are not covered by the insurance for GEM students. If you have questions regarding such insurance, please contact the International Desk (Section 2.3 above).

### 1.4 Important information for contacting health care in Lund

<table>
<thead>
<tr>
<th>Emergency, dial 112</th>
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<tbody>
<tr>
<td><strong>Free medical advice</strong>, dial 1177</td>
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| **St Lars Health Centre in Lund**  
(to see or speak to a doctor or nurse)  
**Phone:** 046 275 22 00 |
| **After Hours doctor in Lund**  
**Phone:** 046 275 19 00 |
| **Student Health counseling**  
**Phone:** 046 222 43 77 |
| **Womens Crisis Centre** –  
**Women helping women**  
Daytime and Mondays and Wednesdays 19—21  
**Phone:** 046 12 19 60  
**E-mail:** kvinnojourenlund@telia.com |

**The Student health care** homepage is very useful and filled with all kinds of information regarding both health care and other aspects of student life in Lund. The **Student health care** is a service for all the students at Lund University. The clinic has counsellors, nurses, a physician, psychiatrist and a psychologist. You have to book a time but you can also ask questions over the phone or call for advice.

The staffs at the student health clinic work mainly with physical, psychological and social problems that are related to your studies. It is a complement to the other clinics in Lund where you seek traditional healthcare. Among the different areas of work, there is a psychosomatic division, which is specialized in examination and treatment. There is also conversational therapy, for example, advice, problem solving or short time therapy.

Do not hesitate to call Student Health! All information is handled confidentially. If your problem is not within the range of the Student Health service, they will advise you on where to turn.

**Student Health counselling phone:** 046 222 43 77

**Student health home page**

[http://www.lunduniversity.lu.se/o.o.i.s/24754](http://www.lunduniversity.lu.se/o.o.i.s/24754)

Download a 4-page *overview of health services in Sweden and Lund (2013)*, including contact details and addresses (Pdf, 135kb).

If you are not sure if you need an ambulance or can wait to visit the doctor (may be later the same day or the day after) **YOU CAN ALWAYS CALL THE HEALTH CARE Free medical advice 1177**. They are ALWAYS open and will help you out.

If you get ill make sure that you notify at least one of your classmates and the department as soon as you can. It is normally best to advertise the student expedition or the course coordinator for the course that you currently attend in priority. In more serious cases the GEM coordinator or the Director of studies should be contacted.
Weekends and nights: Call the information desk (see above) or, if it is an emergency, take a taxi to the emergency intake (Lund University Hospital - main hospital) or call an ambulance, phone 112.

**If you have to visit a dentist:**

Weekdays 8-16: Call Tandvårdscentralen, S.t Laurentiig. 10 (approx. half way between the GIS Centre and the railway station), phone 046 312850. You can also email them on folk tandvarden.lund.tandvardscentralen@skane.se

### 1.5 Student Rights

June 4, 1998, the board of the university adopted guidelines for relations between departments and students at Lund University. The guidelines were amended on November 6, 2000. The full text and additional information regarding student rights and obligations are found on the page:


Given below is an extract of the guidelines and of current legislation. Should you have any questions or be in need of assistance, it is always possible to contact your student association, the relevant Head of Department or equivalent, or the management of the course or program on which you are enrolled.

The guidelines represent targets for relations between the university, students, departments and other individuals or organizations responsible for tuition at Lund University. Due to the varied nature of the operations of the university, local deviations may occur. However, departments are to strive to fulfil these guidelines as far as possible. As the guidelines do not represent absolute legal rights, they cannot form the basis of legal action against the university.

- Students own the right of representation in all decision-making bodies whose activities are of importance to a course and/or program of study and to the situation of the student (Higher Education Ordinance, Ch 3, S 9, paragraph 2).

- A student must never be subjected to abusive treatment. The working environment and equality conditions of students are to correspond to current legal standards applicable to university employees.

- Approved syllabuses for courses and programs are to be published and available at the latest one month prior to the final application date.

- Course literature lists and tuition and examination schedules (including retake examinations) are to be available at least one month prior to the start of the course.

- The department or other body responsible for the course or program is responsible for ensuring that course evaluations are carried out for each course. Student participation in course evaluations is to be anonymous.

- The results of course evaluations are to be made available to students upon request (Higher Education Ordinance, Ch 1, S 14).
For each course or module, an ordinary examination, a retake examination soon after the ordinary examination, and a further retake opportunity are to be organized based on the same course contents.

Prior to written examinations, students are to be given time to prepare. Earlier examinations are to be made easily available to students. Where earlier examinations are not available, study questions are to be provided.

Following each examination, an examination run-through is to be held at least two weeks prior to the retake examination. The examiner should be present.

Examination results are to be made available as early as possible and shall normally be registered in the LADOK computerized student register at the latest 15 working days after the examination although earlier than two weeks prior to the date of the retake examination.

Following two failed examinations on the same course content, the student has the right to request a new examiner.

Absence from an ordinary examination shall not result in a student’s deregistration from the course provided that the student has informed the course coordinator.

1.6 Advices regarding studying in Lund

Compulsory

STiL
When you got admitted to Lund University you receive a letter sent to your home address, with information regarding your STiL-account. The username and the password for your STiL-account are used when you log on to the computers in the library, or log on via www.lu.se to view your results from courses and your registrations, and your student e-mail. You are obliged to check your student-mail regularly, since all correspondence from the university is sent to this mail! One alternative is to forward your student-mail to your “usual” mail-account.

One of the first operations that you need to do to access facilities in Lund is to get a student ID card. This is obtained on the spot in SOL-center that is located opposite the street from Geocentrum I. The office for this is located just behind the reception on the bottom floor – should the door be closed just contact the reception and they will open for you. MAKE SURE to bring a valid ID card, passport or equivalent. Nothing else is needed except patience during peak hours. Allow 24 hours for the card to be activated (will be done automatically).

Once you have your card you should be able to access all facilities you are supposed to have access to, such as computer labs.

If you are experiencing any problems with your STiL-account, please contact stil@er.lu.se or call 046- 222 01 00.

Useful

Studentlund and the studentcard
Studentlund is a corporation between the student’s unions at the different faculties (handles issues regarding the quality of your education and are the student’s voice
towards the university), the student nations (are responsible for the social aspects in Studentlund) and Akademiska Föreningen (AF, owns accommodations through AFB, have different committees such as Radio AF, an art collection, and set up different shows, invite prominent outside speakers to different events, etc.).

To become a member of Studentlund you need to visit a nation and register, and then pay the bill that is sent to you. To be a member of Studentlund is voluntarily, but to live in housing arranged by AFB and stand in their line for accommodation, to be admitted entrance at nations, participate in activities arranged by the union, SNG or nations and to be involved in a nation, union or SNG, you need to be a member of Studentlund.

When you have paid the bill sent to you from Studentlund, you will receive a card, Studentkortet, after about a week. This is your proof that you have paid the fee for Studentlund, and it must be showed when you are participating in activities arranged by the members of Studentlund e.g. entrance to nations or activities arranged by the union. Studentkortet will also give you discounts with e.g. Skånetrafiken (local buses and trains), SJ (railway services), Apple, TopShop and other cooperation partners.

If you don´t want to be a member of Studentlund, but still have access to the discounts, please contact Studentkortet via www.studentkortet.se.

Lund’s Union for science students, LUNA
LUNA's main purpose is to be the science students' voice in discussions with Lund University and the Faculty of Science. They work to improve the quality of your courses and programs, make the teachers better, give you enough computers in the computer rooms and microwave ovens in the lunch rooms, and much more. Representatives from LUNA are participating in most of the management boards at the faculty.

If you experience any trouble with your education or anything related to education, please contact the union and they will do what they can to help you. To become a member of LUNA, please visit the student nation of your choice. When you register there and pay your semester fee, you will automatically become a member of LUNA as well.

Also, every spring, LUNA arranges a day called ATLAS, where you can meet future employers who are interested in hiring scientists. It is also an opportunity for student´s to create connections for future internships and thesis projects. Details about this event normally becomes available end October every year.

If you want to know more about LUNA or get involved, visit

http://www.luna.lu.se/english

or send an e-mail to luna@luna.lu.se

The Student council for Physical Geographers and Geologists, SNG
The student council works more on a department level than what the LUNA does e.g. the institution board, gender equality, reviews of course evaluations etc. SNG also works with creating togetherness between the students in the geology department and the physical geography department by e.g. arranging “sittningar”; dinner parties at different nations, “fika”; coffee and cakes, movie nights, excursions, BBQ etc.

If you want to find out more about SNG, send an e-mail to sng@luna.lu.se or visit the SNG-room (located to the left from the lecture room Pangea), where there are information about the next SNG-meeting!

Career service, “Karriärservice”
For students at Lund University, Career service offers information and help regarding preparations and connections for your future working life. The university has a common career service, but there are also career services connected to the different faculties. Together with the worksite www.mycareer.lu.se, the career service constitutes an important link between studies and work - a venue for students and employers.

At the universities’ common career service you can find help with writing your applications for jobs. Seminars about how to write applications and resume together with interview-sessions is held regularly, and from time to time guest-lectures are invited to tell about different career- opportunities.

For more information, visit http://www.lu.se/student/karrierservice!
In English: http://www.lunduniversity.lu.se/current-students/careers-service

**Study-workshop, “Studieverkstaden”**
The study-workshop is here to help you improve your study-technique, your academical writing and to hold presentations for groups. They can also help you if you have another native tongue than Swedish. You can also ask for help at the workshop to plan your studies and to find better study-strategies to make sure that you have time to read all your literature. They can also help you to find tools for a more efficient memorization and improve your writing skills. You can ask questions regarding term-paper or for help to structure your texts and about specific words or sentences. Important to remember is that the workshop will not proof-read your text, they will only give you advice how you can improve your language and writing.

The Study-workshop also offers rhetoric-courses if you feel uncomfortable in speaking in front of groups. They can help you to improve your oral presentations, the structure of the presentation as well as how you should handle the situation itself.

For more information, visit http://www.lu.se/student/att-studera/studieverkstaden!

**Students with Disabilities**
Each University has at its disposal special resources for supportive measures for students with disabilities. These resources may be used only in connection with undergraduate and postgraduate studies at State Universities.

Please note, for exchange students all support must be financed by the home university during the student’s period at Lund University.

Examples of supportive measures for which financial support may be used:

- Note taking assistance and copying of notes
- Reading assistance for students with defective vision or mobility problems
- Personal assistant for students with defective vision or mobility problems
- Sign language interpreter for students with hearing difficulties
- Remedial instruction or extra tutoring
- Special arrangements for teaching and examinations

**Application for grants for special educational expenses**
Whoever is in need of any kind of supportive measures in his or her study situation, should apply for a grant towards the expenses incurred. This application should be made well in advance of the studies, but can also be made during the term in which the need for supportive measures was observed. Please enclose a medical certificate describing the kind and degree of your disability.

Application forms are supplied by the Adviser for Students with Disabilities:
The student can also discuss the need and degree of the supportive measures with the adviser. Issues concerning studies at the Lund Institute of Technology or the Malmö School of Education can be discussed with the Student Welfare Officer in question.

**Difficult times**

When life at University or life in general feels hopeless or just difficult, it can be nice to talk with someone; Someone who has another perspective than friends and parents. Everything told is handled confidentially (according to the law of professional secrecy). Do not hesitate to contact:

- University Chaplains ([www.svenskakyrkan.se/lundsstift/studentprasterna/lund/lundenglish.htm](http://www.svenskakyrkan.se/lundsstift/studentprasterna/lund/lundenglish.htm))
- Friends on Duty ([www rkuf se/main4 asp?ID=21&ver=BI E5](http://www.rkuf.se/main4.asp?ID=21&ver=BI E5))

**Leisure**

**Sports**

Next to Geocentrum I is Gerdahallen, Lunds largest recreation center. They offer a wide range of work-out classes, spinning, gym, tennis etc. to a good student price. You can also buy coffee, lunch and cookies at Gerdahallen! If you are interested in sports and exercise please contact them via [www.gerdahallen.lu.se](http://www.gerdahallen.lu.se), or the Swedish University Sport Federation ([www.studentidrott.nu/english.asp](http://www.studentidrott.nu/english.asp))

**Studying advices**

Study skills are an important factor that will determine the result of your studies. Some naturally have very good study skills whereas others have a more difficult time doing the same amount of work. Here are some tips to help on the way:

- Plan your time. Make routines. It is like brushing your teeth; it can be boring but has to be done.
- Find out what time of the day you study most efficiently. Some can only study at noon, others at midnight.
- Take good notes. Highlight the important things. This forces you to work and think about what you are studying.
- Rewrite your notes from class. Many things are better summarized in your notes than books.
- Exercise! It is easier to learn if your brain has had a dose of oxygen.

The amount of literature needed for University classes is extensive. The average cost for literature per term is about 3 000 sek, but this of course varies depending on what you study. Do not buy all the recommended literature the first day! Some of the recommended literature is for reference only and can be found at the library. As a student you will get more detailed information on literature requirements at the start of
each course. See also the course homepages under the heading “Education” at INES homepage: http://www.nateko.lu.se/index.asp?lang=2

An effective way of being efficient is to study your own study habits through a log. This is done by writing down when and where you study, and how it went (well, ok, terrible). Also, write down anything that got your attention away from your studies.

After a while you will be able to see a pattern: where you studying well, what time of the day you were most efficient and what to avoid?

Many students experience a certain degree of stress before examinations and due dates for assignments. A little stress is good, but with too much stress one can no longer study effectively and sometimes it can lead to depression. To avoid stress, which is often caused by last minute cramming, be sure to study in time for exams. However, even when prepared, sometimes one can feel very stressed.

Are you under a lot of stress? 'Student Health' (see section about health above) has classes in stress handling.

1.7 Living in a New Environment

The first encounter with a new environment is usually positive and exciting, being the opportunity to live in a different and perhaps exotic environment. For some of us it has been a dream, now come true; A different country and a different way of life. In many obvious but also in many subtle ways, it really is different.

Along with the pleasure of new discoveries, you will certainly find many unfamiliar and perhaps confusing circumstances also demanding a great deal of your attention and energy. You may find organising your work and day-to-day living in a foreign country as well as using another language, tiring and frustrating, even though Swedish people generally speak good English. Some people may therefore find themselves feeling a little depressed and inefficient. You are not alone in feeling like this. This is "Culture Shock", and affects most people to a greater or lesser extent a few weeks after arrival. In fact you may be surprised to find yourself going through a similar experience on your return to your own country.

Remember not to take the unfamiliar problems personally; new rules and regulations may seem rather daunting, but the Swedish system is very efficient, probably because Swedish people on the whole follow the rules. The International Researchers & Scholars Office (IRSO) is a university connected body that provide services for researchers and teachers and their families. However they have some interesting resources available on the net. Please check out their hints for survival available from their home page at:

http://www4.lu.se/visiting-staff---irso/visiting-staff---irso/life-at-lund-sweden

But above all, feel assured that after a few months everything will take on a more manageable and brighter aspect, and you will soon feel more at home here.

Despite problems and frustrations, think of the pleasure in becoming acquainted with a different culture. In fact, there are quite a number of amusing insights to be met along the way, for instance, to find that filmjölk is not good as cream in your coffee.
Maps

You can get maps for free at the tourist office (on the Southeast corner of the main square). A digital map service is available at http://www.lunduniversity.lu.se/maps.

In Sweden you can use your bank/credit card almost everywhere. If you need cash it can be withdrawn from the majority of the ATMs spread around the city.

Washing

Normally you are washing your clothes by yourself. If you live in a student room/apartment there is probably a separate room for laundry. Ask fellow students how and if you have to book a washing machine, and if you have to pay anything. Make sure the facility has appropriate measures to prevent your clothes from being stolen.

Transport

To get to Lund you normally go by plane from abroad. When you are traveling to Lund University in Sweden, the closest airport is located in the Capital of Denmark, Copenhagen (IATA code reference CPH). Please do not travel to Stockholm, since this is a long (650 km) detour that will cost you extra money. Copenhagen airport is only about 60 km from Lund city.

From the Airport there is a commuter train to Lund that takes about 40 minutes, with a stop first at Malmo Hyllie, second stop at Malmö Triangeln and then at Malmo Central station where you sometimes have to change train. Pay attention to the messages in the train, sometimes only some of the wagons continue to Lund (and further, e.g. Gotenburg, Kristianstad, etc).

When you get through the customs after picking your bag you just continue straight ahead to join the decent to the railway. The price is about 140 SEK (16 Euro/20 USD) and you can buy in a ticket machine just beside the decent to the train station (Visa/master card should work) or in the ticket office just beside. You can change money inside the airport on your way to the luggage claim area (luggage service is rather slow so normally you have time to stop for this). Currency is Swedish Crowns (SEK) in Sweden.

Local travel in the region is served by Skanetrafiken. If you want to search for transportation possibilities to and from different places in Skåne you can use the online search tool at


Also available as an app for smartphones.

Please note that you cannot pay cash on any local or regional buses or trains. On regional buses you can pay by credit card but not on e.g. city buses. If you travel by train you have to get a ticket before boarding, this is valid both for regional and long distance trains. The best way to manage your local travelling is to get a “JOJO”-card, this gives you some discount. You get the empty card for free at the Skanetrafiken office in the north part of the railway station and then you fill it with the amount of money that you want, similar to a phone card. If you commute from outside Lund a monthly travel pass is probably more economical.

The “Around the Sound” ticket is a very popular way to travel around the straight between Denmark and Sweden, visit Helsingborg and the Danish twin city Helsingör, with the castle of Prince Hamlet in the famous play by Shakespeare and then on to Copenhagen.
Getting around in Lund is quite easy since the city is rather small. City buses are unfortunately not running so very frequent so the "normal" student means of transportation is walking or, even better, bicycling, which is probably the most efficient way to get from one place to another in Lund. Between the Department of Physical Geography and Ecosystems Analysis (we normally calls it INES, which is the Swedish abbreviation of its name) and the railway station the distance is about 1 km. Most shops are in the city centre that is located south of the Cathedral. You also have local shops and shopping malls in the outer parts of the city.

Don’t be afraid asking people at the Airport, in the train and train stations and in the streets for directions, most people know Lund University very well and most people are happy to assist travelers finding their way.
1.8 EMERGENCY

In case of emergency, call

112

When speaking to the emergency desk you have to tell them your name, where you are, what type of emergency you are in, and if you need police, ambulance and/or fire brigade.
2. Department of Physical Geography and Ecosystems Science (INES)

**Introduction**
Your department at Lund University is INES, which is about 10 minutes’ walk from the railway station and the address is Sölvegatan 12 and 10 respectively, please refer to the map below. Normal office hours are **Monday to Friday 09-17**.

**INES contact**

| Post address: | Department of Physical Geography and Ecosystems Analysis  
Lund University,  
Sölvegatan 12  
223 62 Lund  
Sweden |
| Internal post box: | HS 16 |
| Visiting address: | Sölvegatan 12 |
| Telephone: | +46 (0)46 - 222 86 98 |
| Fax: | +46 (0)46 - 222 03 21 |

**Head of Department**
Karin Hall  
karin.hall@nateko.lu.se  
046 - 222 95 79

**Director of studies**
Ulrik Mårtensson  
ulrik.martensson@nateko.lu.se  
046 - 222 49 67

**Student advisor**
Helena Eriksson  
helena.eriksson@nateko.lu.se  
046 - 222 16 91
Paul Miller  
paul.miller@nateko.lu.se  
046 - 222 40 72

**Student expedition**
Eva Kovacs  
eva.kovacs@nateko.lu.se  
046 - 222 86 98
Eva Andersson  
eva.andersson@nateko.lu.se  
046 - 222 36 79
Map of Lund showing the location of the INES and GIS Centre (Sölvegatan 12 – Main administration and Sölvegatan 10 – Teaching facilities)

Activities
As a university department INES/GIS Centre are involved in research, academic education and external activities such as consultancies and cooperation with authorities and international organisations.

Research Fields
At INES/GIS Centre study the Earth surface, particularly the interface between atmosphere, biosphere, hydrosphere, and lithosphere are the main fields of interest for research and teaching. Activities are concerned with both natural processes and the human influence on the Earth system.

The research we perform covers a broad scale, both in temporal and spatial scale from centimetre up to the global level, from seconds to centuries, as well as multi-disciplinary. Central in our research is the analysis of the processes behind the forming and functioning of our natural environment:

**Climatology**, especially climatic change in present and historical perspective and the effect of both local and global climatic features on the Earth surface processes.
**Geomorphology** describes landforms and analyse the processes causing the forms and dynamics of different landscapes. The research at our department has a particular interest in the development of the landscape in time and the effect of climatic factors, the erosion processes and the geomorphology of the peri-glacial environment.

**Ecosystems ecology** with focus on analysing and predicting effects of climate change and changes in atmospheric composition on terrestrial ecosystems at global and regional scales, as well as the associated feedbacks through effects of vegetation structure and function on the global biogeochemical cycles.

**Biogeophysics** include the study of fluxes of mass and energy in natural environments. Our research focus on the processes steering the exchange of carbon, water, nutrients and energy between the soil, plant and atmosphere.

**Geographical Information processing and Remote Sensing** for surveillance and analysis of land surface changes and changes in the environment and natural resources. Research is directed to both application of existing and development of improved techniques.

**Education**

The education programmes at INES follows the European system of a three years bachelor programme followed by a two years master programme. In total the department is running 2 BSc and five Masters’ programs, including the GEM program. One of the Masters’ programs, the iGEON (see below) is totally Internet based and cooperation with ITC, University of Twente.

**Bachelor programme in Physical Geography and Ecosystems Analysis Program**

The bachelor programme starts with 1.5 years of basic courses focused on physical geography, climatology, hydrology, plant ecology and the cycles in nature. You will get an introduction to basic methodology and tools within geographical science for example geographical information systems (GIS) and remote sensing. After 1.5 years of study, you can choose different courses towards your area of interest. You will finalise your bachelor education with a 10 weeks theses work.
**Master program in Physical Geography and Ecosystems Analysis**
The aim of this master's programme is to offer you the possibility to gain first-rate theoretical and practical skills in complex issues and technical systems within the area of environmental and climate change. During this master programme you are able to choose courses from different areas of specialisations, such as environmental and climate systems, global environmental issues and global cycling, climatology and climatic change, ecosystems analysis, bio geophysics, methods of environmental analysis, GIS and remote sensing, geomorphology, etc. This possibility enables you to create your own unique profile of expertise within the area of Physical Geography and Ecosystem Sciences.

**Master program in Atmospheric Sciences and Biogeochemical cycles**
The programme is multidisciplinary and involves a versatile education on atmospheric sciences taught by leading scientist within the area. The programme will provide you with a deeper understanding of general atmospheric science, biogeochemical cycles and processes in land-ecosystem-atmosphere interactions. You will gain knowledge about a broad range of topics within fields such as: physical phenomena, atmospheric chemistry, meteorology, physical geography and ecology. You will also receive skills in how to operate advanced computational and laboratory-based methods and experience in field measurements and operations.

As a graduate from the Atmosphere-Biosphere programme you will be able to work within the fields of environmental management, consultancy, climate modelling and research in both national as well as international context.

**Master program in Geographical Information Systems (iGEON)**
iGEON is an internet-based distance programme for those with an interest in analysing and modelling spatial phenomena using GIS (Geographical Information Systems). The aim is to offer you a flexible and complete training in GIS. All courses are provided over the Internet as e.g. text, audio and video lectures and through e-mail, forums and Skype correspondence with specialised academic staff. Students may adopt the learning methods that work best for them and choose their own study tempo.

As an iGEON student you will get skills in: hands-on training using up-to-date software, deep theoretical understanding of spatial phenomena and basics of GIS, data base management, cartography and advanced knowledge of GIS methodologies, etc. After fulfilling the programme you should have theoretical and practical knowledge about planning, implementation and handling of GIS within diverse disciplines. These skills are highly advantageous within all areas concerned with spatial phenomena, such as: natural and social sciences, medicine, engineering, hydrology, agriculture, forestry, defence, global change and in spatial planning of local, regional and national systems.

**Master program in Geomatics**
The master programme aims at providing an attractive education that prepares you for work in governmental and private organisations as well as for research. It provides courses in a wide range of areas in the field of geomatics including geographic information systems (GIS), geodesy, remote sensing and computer science. The programme consists of three parts. The first part provides theoretical courses in e.g. computer science and statistics. The second part contains a number of courses in geographic information technology regarding:

- collecting data – mainly remote sensing and geodesy,
- storage of data – e.g. spatial database technology,
- treatment of data – fundamental algorithms in geographical analysis,
- distribution of data – e.g. standardized web services, and
- visualization – e.g. cartographic rules for screen display.
The third and last part treats applications mainly focusing on environmental, physical and urban planning.

**Master program in Geo-information Science and Earth Observation for Environmental Modelling and Management (GEM)**

This Erasmus Mundus programme is taught by a consortium of four of Europe’s leading institutions within geo-information science and environmental modelling: Lund University in Sweden, University of Southampton in Great Britain, ITC in the Netherlands and the University of Warsaw in Poland. The best elements of these institutes are combined in a programme where students are taught by world-renowned faculties as well as by visiting scholars of international repute.

The programme is designed for those who wish to contribute to sustainable global change and will provide you with a sound theoretical and practical base of knowledge within Geo-information Science and Earth Observation combined with proficiency in project management, leadership and communication. The programme combines management and policy skills with knowledge from a variety of disciplines, and the problem-based teaching methods challenge you to solve complex issues.

As a graduate you will achieve a solid theoretical knowledge but also the latest technology and techniques to solve real-world case studies. Hence you will have excellent qualifications for both national and international employments at research institutes, in governments, companies, as well as in public-private partnerships.

**Past and on-going research projects and external involvement**

Projects at INES and GIS Centre cover a large variety of topics and type of activities. Some projects are large scale and long term investments that have many international cooperation partners and some are smaller and of short duration. In order to get an up-to-date overview of our projects we invite you to visit our web-pages:

**INES:**  
http://www.nateko.lu.se/index.asp?lang=2

**GIS Centre:**  
http://www.gis.lu.se/english/index.htm

Under the headings Research, Publications and Projects & Research you find information about activities, contact persons and links to more specific project web pages. You could also go to the staff pages to see who is involved with what at the department. Please feel free to contact any staff member if you want more information or discuss opportunities for thesis work.
3. The Geolibrary

Introduction

The Geolibrary supports researchers, lecturers and students of the geoscience institutions of Lund University. The library also offers its services to other university departments and for all those with an interest in the geosciences. We have professional personnel, many study areas and photocopying facilities. Welcome!

Contact

Postal address: Geocentrum II
Solvegatan 12
223 62 Lund

Visiting address: Geocentrum II, Solvegatan 12

Telephone: 046-222 39 60
Telefax: 046-222 44 19
E-mail: Laneexpedition@geobib.lu.se


Opening hours
Monday - Thursday 10.00-17.00
Friday 10.00-16.00
Saturday and Sunday – closed

Staff
Robin Gullstrand, Head Librarian
Britta Smångs, Librarian

Lending conditions

The Geolibrary follows the General Lending Conditions of Lund University Libraries (LUB). All residents of Sweden who are at least 18 years old can obtain a library card from LUB.

The Geolibrary has the following loan periods:

Books: 28 days
Course books: 14 days

Journals and reference materials cannot be loaned.

If the loaned item is not returned on time a fine of 10 SEK per loan per day is charged