Lund University

2017 | EDUCATION, RESEARCH AND COLLABORATION SINCE 1666
A WORLD-CLASS UNIVERSITY

To understand, explain and improve

Lund University was founded in 1666 and, ever since, has been a centre of culture and learning. We are considered one of Scandinavia's most outstanding universities. One of our strengths is our unique disciplinary range and our ability to generate boundary-crossing collaboration. Student influence, internationalisation and close cooperation with wider society are other characteristics of Lund University.

OUTSTANDING RESEARCH
Lund University is regularly ranked as one of the world's top 100 higher education institutions. Our eight faculties conduct strong research in many different areas, including over thirty research fields in which we are world-leading. Many scientific breakthroughs and pioneering innovations have originated from Lund University.

AN INTERNATIONAL UNIVERSITY
Our strong reputation helps to attract students and researchers from all over the world. More international students apply to Lund than to any other university in Sweden. We collaborate with around 600 partner universities worldwide and we are also the only Swedish university to be a member of the international research networks League of European Research Universities (LERU) and Universitas 21 (U21).

A WIDE RANGE OF STUDY PROGRAMMES
We have one of the widest ranges of study programmes in Sweden, including several unique interdisciplinary programmes for both Swedish and international students.

WORLD-LEADING RESEARCH FACILITIES
Two of the world's foremost research facilities for materials research and life sciences are established in Lund – the synchrotron radiation facility MAX IV, which was inaugurated in June 2016, and the European Spallation Source (ESS) which will feature the world's most powerful neutron source when it opens for research in 2023.

350TH ANNIVERSARY CELEBRATIONS
Lund University is celebrating its 350th anniversary over 13 months – from 19 December 2016 to 28 January 2018. An extensive and inclusive jubilee programme puts the spotlight on our education and research, along with our innovations through the ages, while raising important issues for the future.
LUND UNIVERSITY IN BRIEF

FOUNDED: 1666

MOTTO: Ad utrumque (paratus),
prepared for both

NUMBER OF STUDENTS: 42,000
NUMBER OF EMPLOYEES: 7,400

ANNUAL TURNOVER: EUR 800 million

RANKING (2016):
QS World University Rankings: 73
Times Higher Education: 96
Shanghai ranking: 101–150

FACULTIES:
• School of Economics and Management
• Faculty of Engineering, LTH
• Faculty of Fine and Performing Arts
• Faculties of Humanities and Theology
• Faculty of Law
• Faculty of Medicine
• Faculty of Science
• Faculty of Social Sciences

• The University also comprises
MAX IV, the International Institute
for Industrial Environmental Economics IIIEE, and several specialised
centres and facilities open to the
general public, such as Skissernas
Museum – Museum of Artistic Process
and Public Art. The Raoul Wallenberg
Institute of Human Rights and
Humanitarian Law is also closely
associated with the University.

LOCATIONS:
Lund, Malmö, Helsingborg and
Ljungbyhed
EDUCATION

A meeting-place for international students

Lund University has Scandinavia’s largest range of education taught in English, and one of Sweden’s broadest ranges of study programmes in engineering, science, law, social science, economics and management, medicine, humanities, theology and the fine and performing arts. We offer degree programmes and freestanding courses at Bachelor’s, Master’s and PhD levels.

We educate the knowledge generators, problem solvers and leaders of tomorrow. Our students are taught how to think freely, creatively and critically, and to develop their ability to collaborate in order to tackle demanding problems. We give our students the tools to explore and understand themselves and the world around them. Our alumni include Nobel Prize winners, ministers, ambassadors, business leaders and personalities from the world of culture.

Our study programmes are closely linked to current research, which we regard as an important factor for quality. The majority of our lecturers are also researchers and we place great importance on ensuring that they are skilled educators. We are also keen to provide our students with opportunities to have their say in their education. Student representatives sit on all decision-making bodies of the University. We place strong emphasis on the employability of our students and deliver our programmes and courses in close collaboration with wider society.

Lund University is consistently the most popular choice for international students coming to study in Sweden. With students from over 100 countries, the University is a meeting place which offers opportunities for international engagement, cultural exchange and global networking. Many students also study part of their degree programme abroad, with a choice of exchange studies in over 70 countries all over the world.

Lund is also the most popular student city in Sweden and is known for its variety of student organisations which offer great opportunities to get involved in extracurricular social activities.
RESEARCH

Broad and cutting-edge research

Society is facing major global challenges in the fields of the environment and climate, sustainable development, migration, digitalisation and demographic change. As a full-scale university, Lund University is particularly well equipped to meet these complex societal challenges by utilising its disciplinary range, interdisciplinary collaborations and strengthened engagement with wider society. Our success in being awarded major research grants is evidence of our position as an international research university. Annually, over EUR 500 million are destined for research in our eight faculties, enabling us to offer one of the strongest and broadest ranges of research in Scandinavia. In more than thirty fields, our research teams are among the world’s most outstanding, according to independent assessments.

We have been commissioned by the Swedish Government to develop various strategic research areas to absolute world-class level. These include research on cancer, diabetes, epidemiology, neuroscience, stem cells, nanoscience, climate modelling, biodiversity, Middle Eastern studies, e-science, manufacturing engineering, and IT and mobile communications.

Lund University also stands out as a strong force in the European research arena. For many years, we have been one of the most active Swedish participants in the EU framework programmes for technical and economic development. We are also members of the EU’s largest collaboration on climate and innovation, Climate-KIC, which entails collaboration with other European universities and companies to find solutions to climate change.

The world-leading research facilities MAX IV and ESS which are being established in Lund will be of great significance for research and industrial development within materials and life sciences. MAX IV, which was inaugurated in June 2016, is the world’s foremost synchrotron radiation facility and the ESS will be the most powerful neutron source in the world once it opens for research in 2023. Science Village Scandinavia is also developing nearby, destined to become a meeting place and a test environment for research, education and entrepreneurship. With these facilities, Lund will further reinforce its international research position.
STRONG RESEARCH ENVIRONMENTS

- Materials science, surface physics and nanotechnology
- Advanced laser physics and spectroscopy
- Diabetes
- Cancer
- Automatic control and complex systems
- Information technology and mobile communications
- Neuroscience and neurodegenerative diseases
- Cognitive science
- Stem cell therapy
- Evolution, ecology and animal migration patterns
- Environment, climate, sustainable systems and biodiversity
- Epidemiology
- Innovation and entrepreneurship
- Middle Eastern studies
COLLABORATION AND INNOVATION

A driving force in society

The breadth of Lund University’s subject range gives us unique opportunities to work across disciplinary boundaries and to create new solutions and products which improve people’s lives all over the world. Together with the private sector and wider society, we tackle current problems and challenges, thereby ensuring that the knowledge and research findings generated here are put to use. The Skåne Food Innovation Network, Mobile Heights and the Skåne Research and Innovation Council are examples of strategic projects in which we are involved.

For us, innovations mean new, successful products, services or processes and working methods.

One of the most famous innovations from Lund is ultrasound diagnostics, a method routinely used nowadays to examine patients in hospitals all over the world. Further examples of innovations include the artificial kidney, which formed the basis for a multinational company, Gambro (now Baxter), and makes life easier for dialysis patients all over the world, and Bluetooth technology, used in millions of products every day.

The University’s innovation organisation supports students and researchers with ideas and research findings which can be converted into innovations. Business development, patenting advice, finance, contacts with business partners and industry as well as an incubator for students are part of the support on offer. In 2016, 345 new ideas came in, and since 1999 the University’s holding company has invested in 86 new research companies which generated a total of just over 3 300 work years and over EUR 100 million in tax revenues.

Lund University tailors professional training programmes for companies, public authorities and organisations, and runs study programmes all over the world with the aim of promoting the implementation of human rights.

Ideon Science Park, Sweden’s first and largest science park, has close links to Lund University. It is one of the most important and successful of its kind in Europe. Today, around 400 companies are based at Ideon, and out of more than 900 companies that have operated from the park since it started in 1983, the majority have their roots in research at Lund University.

EXAMPLES OF INNOVATIONS FROM LUND
1944 The Tetra Pak tetrahedron
1946 The artificial kidney (Gambro)
1953 Diagnostic ultrasound
1966 Bricanyl – asthma medicine
1967 Nicorette – nicotine gum to quit smoking
1971 Modern ventilator (ServoVentilator)
1984 Axis – printer and camera servers
1990 Oatly – oat drink
1991 Proviva – probiotic fruit drink
1993 Qlik – software for data visualisation
1995 Bluetooth
1997 Precise Biometrics – fingerprint reader
2005 Hövding – invisible bicycle helmet with airbag function
2007 A1M Pharma – diagnosis and treatment of pre-eclampsia
2010 SenzaGen – allergy testing without experiments on animals
2011 cTrap – cloth that blocks toxic substances on humidity-damaged surfaces
2012 Orbital Systems – the world’s most water-efficient shower
2013 Endodrill – instrument for cancer diagnostics
2015 Uniti – electric city car
THINGS TO SEE AND DO
AT LUND UNIVERSITY

1. The annual doctoral conferment ceremony is a celebration of the 3–400 doctoral students who complete a PhD each year.

2. Lund University’s Historical Museum is Sweden’s second largest archaeological museum.

3. The 16th century Kungshuset building was the University’s first edifice. It is planned to open as a visitors centre in 2018.

4. The main University building from 1882 was designed by Helgo Zettervall.

5. Lund University’s Botanical Garden contains 7 000 plant species and attracts more than half a million visitors per year.

6. The Lundagård park is located in the heart of the city of Lund.

7. The University Library is one of Sweden’s largest and oldest research libraries. At least one copy of every item printed in the country is preserved here for future generations.

8. Skissernas Museum – Museum of Artistic Process and Public Art, reopened in January 2017 after extensive renovation, is one of a kind and exhibits sketches, preliminary studies and models for art in the public environment.

9. Vattenhallen Science Centre is an inspiring experimental workshop for amateur scientists of all ages.
LUND AND GREATER COPENHAGEN

A dynamic science region

The University has been making its mark on Lund for 350 years and the University campus occupies large areas of the city. Lund has a compact and charming city centre where everything is within cycling distance. Students and researchers, coming from over 130 countries, create a truly international and vibrant atmosphere.

Lund is a city of contrasts in which a thousand years of history meet the very latest in modern science. The city centre is small and picturesque, with many historical features such as the cathedral and the winding cobble-stoned streets. At the same time, new districts are emerging with the continually expanding Ideon Science Park and the world-leading research facilities MAX IV and ESS. In Medicon Village, our researchers and innovators collaborate with entrepreneurs and business people with the aim of making a difference for future patients, within fields such as cancer, diabetes and nanomedicine.

Lund University conducts activities in Lund, Malmö, Helsingborg and Ljungbyhed, all of which are located within the Greater Copenhagen region. The distances are short and communications are good. From Lund, it takes 10 minutes to reach Malmö by train and around 45 minutes to central Copenhagen, and its international airport. A bridge links Sweden and Denmark, with around 15 000 people commuting across the strait every day.

Greater Copenhagen comprises Skåne and eastern Denmark, with a total of 4 million inhabitants. 14 000 researchers, 190 000 students, 19 research parks and incubators and 17 higher education institutions make Greater Copenhagen one of Scandinavia’s most knowledge-intensive areas. Start-ups work side by side with well-known international companies, which have often chosen to locate part of their activities here in order to make the most of the region’s unique dynamism and innovative expertise.

A highly skilled labour force is available locally in fields such as design, medicine, biochemistry, biotechnology, IT, telecom, environmental technology and food production. The region also offers great opportunities for a rich outdoor life. Malmö and Copenhagen offer all the attractions of a big city with the added advantage of beautiful nature.

SWEDEN IN BRIEF

- Located in Scandinavia in Northern Europe
- Population: 10 million
- Home of the Nobel Prize
- Ranked among the world’s most innovative, creative and democratic countries
- One of the world’s highest levels of proficiency in English as a second language
- One of the safest countries in the world and ranked as one of the best to live in
- An open multicultural society with one of the highest levels of gender equality
- Well known for its eco-friendly culture
350 years of Lund University

When Lund University was founded in 1666, Sweden was a great power that had conquered Skåne from Denmark eight years previously. Immediately after the Swedish victory, the Bishop of Lund, Peder Winstrup, proposed that Lund should acquire an academy, since the youth of Skåne could no longer study in Copenhagen. The decision was delayed, but in the end pastor Bernhard Oelreich succeeded in convincing the regency government of Karl XI, under dowager queen Hedvig Eleonora, to found the University. During the Middle Ages, Lund had already been a centre of religious learning with an early form of higher education institution and an upper secondary school which is still operational.

Initially, the young academy had four faculties with 14 professors and 80 students – but no premises. Until 1688, when the University took over the King’s House, most of the teaching took place in the Cathedral. The first set of lecturers had a clear international profile, with Saxon legal scholar Samuel Pufendorf the best known among them. In 1676, however, the University was forced to close because of a Danish invasion, only reopening in 1682, with mainly Swedish lecturers at this point.

The University’s finances were strained for a long time, yet the academy grew during the 1700s and a park was laid out in Lundagård, along with a botanical garden on what is now the University square. During the early 1800s, the University experienced a period of brilliance marked by the polymath geniuses Esaias Tegnér and Carl Adolph Agardh. It was also in the 1800s that the University started conducting research in the modern sense, and new premises were built, including the main University building in 1882. In 1880, the first female student was enrolled but it was not until the 1960s that the first female professor was appointed.

During the 1900s, the University continued to expand in Lund, Malmö and Helsingborg. The number of students and staff grew steadily. The faculties also became more numerous – there are currently nine. Over the past century, a series of pioneering research findings and innovations have put Lund University on the map.

The 350th anniversary will be celebrated between 19 December 2016 and 28 January 2018. The two dates mark the foundation and the inauguration of the University respectively.
**Lund University in figures (2016)**

### Research

<table>
<thead>
<tr>
<th>Research Students</th>
<th>No</th>
<th>Individuals 2 900</th>
</tr>
</thead>
<tbody>
<tr>
<td>– of whom new students</td>
<td>450</td>
<td></td>
</tr>
<tr>
<td>No of publications (prel.)</td>
<td>5 300</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Largest Funding Bodies SEK/EUR million</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Swedish Research Council</td>
<td>1 020/100</td>
</tr>
<tr>
<td>EU</td>
<td>225/23</td>
</tr>
<tr>
<td>The Knut &amp; Alice Wallenberg Foundation</td>
<td>220/22</td>
</tr>
<tr>
<td>Formas</td>
<td>120/13</td>
</tr>
<tr>
<td>Vinnova</td>
<td>115/11</td>
</tr>
</tbody>
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### Education

<table>
<thead>
<tr>
<th>Students</th>
<th>No</th>
<th>Individuals, total over year 42 000</th>
</tr>
</thead>
<tbody>
<tr>
<td>– individuals, per semester</td>
<td>30 000</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Study Programmes and Courses</th>
<th>No</th>
<th>Freestanding courses 2 060</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study programmes total</td>
<td>280</td>
<td></td>
</tr>
<tr>
<td>– leading to an undergraduate degree</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>– leading to a Master’s degree</td>
<td>200</td>
<td></td>
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</table>

### Degrees Awarded

<table>
<thead>
<tr>
<th>Degree</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor’s</td>
<td>3 700</td>
</tr>
<tr>
<td>Master’s</td>
<td>4 000</td>
</tr>
<tr>
<td>PhD</td>
<td>450</td>
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</table>

### Distribution of Students by Education Cycle

<table>
<thead>
<tr>
<th>Category</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate, programmes</td>
<td>50</td>
</tr>
<tr>
<td>Undergraduate, freestanding courses</td>
<td>20</td>
</tr>
<tr>
<td>Master’s, programmes</td>
<td>25</td>
</tr>
<tr>
<td>Master’s, freestanding courses</td>
<td>5</td>
</tr>
</tbody>
</table>

### Staff

<table>
<thead>
<tr>
<th>Employees</th>
<th>No</th>
<th>Individuals, of whom:</th>
</tr>
</thead>
<tbody>
<tr>
<td>– professors</td>
<td>800</td>
<td></td>
</tr>
<tr>
<td>– other academic staff, researchers and employed research students</td>
<td>4 000</td>
<td></td>
</tr>
<tr>
<td>– technical and administrative staff</td>
<td>2 500</td>
<td></td>
</tr>
</tbody>
</table>

### International

<table>
<thead>
<tr>
<th>Students</th>
<th>No</th>
<th>Total 20 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>On Master’s level courses</td>
<td>30 %</td>
<td></td>
</tr>
</tbody>
</table>

### Research Students

<table>
<thead>
<tr>
<th>Total</th>
<th>40 %</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Staff</th>
<th>30 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Researchers</td>
<td>50 %</td>
</tr>
</tbody>
</table>

### Finances

<table>
<thead>
<tr>
<th>Revenue</th>
<th>Total SEK 8 billion/EUR 800 million, of which:</th>
</tr>
</thead>
<tbody>
<tr>
<td>– direct government funding</td>
<td>55 %</td>
</tr>
<tr>
<td>– external grants</td>
<td>35 %</td>
</tr>
<tr>
<td>– fees and other charges</td>
<td>10 %</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Expenditure</th>
<th>Total SEK 8 billion/EUR 800 million, of which:</th>
</tr>
</thead>
<tbody>
<tr>
<td>– staff</td>
<td>60 %</td>
</tr>
<tr>
<td>– premises</td>
<td>15 %</td>
</tr>
<tr>
<td>– other</td>
<td>25 %</td>
</tr>
</tbody>
</table>

### Ranking

| Times Higher Education 2016 | QS 73 | Shanghai Ranking 101–150 | Education 96 |
LUND UNIVERSITY IS TURNING 350!
Join the celebration! The jubilee programme contains thematic research weeks, lectures, cultural exhibitions and musical performances, an Alumni Homecoming Weekend, festive events and much more. Read more on lunduniversity.lu.se/350

SUPPORT LUND UNIVERSITY
In connection with the University’s 350th anniversary celebrations, we are running a fundraising campaign entitled “Lund University – for a better world”. Read more about how you can contribute on givetolunduniversity.lu.se

LUND UNIVERSITY ALUMNI NETWORK
Former students, researchers and staff members are welcome to join the Lund University Alumni Network. Members gain access to an international, social and professional platform. Take part in events, receive the latest news from the University, enjoy special offers and more. Register on lunduniversity.lu.se/alumni

MORE INFORMATION
Website: lunduniversity.lu.se
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YouTube: youtube.com/lunduniversity