Programme overview
On the Master’s programme in Animal Ecology, you will learn how to analyse and understand evolutionary processes at the level of genes, individuals and populations. You will achieve skills in analysing and understanding how evolutionary and ecological processes form appearance, physiology and behaviour in animals. You will also learn how to analyse costs and benefits of different traits and how these are optimised to form reproductive and survival strategies. We offer an excellent research environment, particularly in top-ics such as animal migration, molecular ecology, life history trade-offs, disease resistance in natural populations and host-parasite interactions. You will use modern field and laboratory methods in studies of ecological and evolutionary issues applied on animals in basic research, as well as applied conservation-related research. Special emphasis is on birds as model systems.

Special features of the programme
• Evolutionary theory applied to ecological problems
• Close connections to research in an international environment
• Integration of theoretical analyses with strong training of laboratory skills and experience in field work
• Testing of evolutionary hypotheses

Programme modules/courses

ELECTIVES: Ornithology, Sensory Biology, Modelling Biological Systems, Processing and Analysis of Biological Data, Bioinformatics and Sequence Analysis.

Most courses are full-time studies, and you usually take only one course at a time. The courses are typically teaching-intensive, with lectures, seminars, excursions as well as theoretical and practical exercises. You are expected to spend about 40 hours per week on studies, self-studies included. Normally you take two courses of 15 credits per semester, i.e. a total of 60 credits per year.

Career prospects
The knowledge and skills you will gain on this programme will open doors to employment within many sectors in academia and the public sector. The programme provides you with a solid grounding for PhD studies. Employment can be found within agencies concerned with environmental protection, education and within academia through research funding.

Entry requirements and how to apply
ENTRY REQUIREMENTS
A Bachelor’s degree including 90 credits in biology (of which should include 15 credits in cell biology, gene-tics and microbiology, 15 credits in ecology, 15 credits in botany, and 15 credits in zoology), and 7.5 credits in statistics. English Level 6 (equivalent to IELTS 6.5, TOEFL 90). For details on English proficinency levels, see www.lunduniversity.lu.se.

“What is very special about this programme is the close link to the currently studied research topics at the department. In addition the education is very applied, so you get hands-on experience all the time.”
Hilger Lemke from Germany
HOW TO APPLY

1. Apply online: Go to www.lunduniversity.lu.se/biology-animal-ecology. Click on “Apply” and follow the instructions for the online application at the Swedish national application website www.universityadmissions.se. Rank the chosen programmes in order of preference.

2. Submit your supporting documents:
   - General Supporting documents: Check what documents you need to submit (i.e. official transcripts, degree diploma/proof of expected graduation, translations, proof of English, passport) and how you need to submit them at www.universityadmissions.se.
   - Programme-specific supporting documents: We encourage you to fill in our Summary Sheet when you apply for this programme. More information can be found on the programme webpage.

3. Pay the application fee (when applicable).

SELECTION CRITERIA/ADDITIONAL INFO
Selection of students is based on grades on academic courses of relevance for the Master’s programme.

TUITION FEES
There are no tuition fees for EU/EEA citizens. For non-EU/EEA citizens the tuition fee for this programme is SEK 145 000 per year. For details on tuition fees, see www.lunduniversity.lu.se

About the Department of Biology
We have an outstanding competence in both education and research, covering a large number of biological disciplines with everything from molecular biology to large scale ecology. Several of our research groups are world-leading within their topic, which shows by the large number of international projects being coordinated from the department of Biology. Since our education is integrated with the research within the department you will, during your studies, have researchers as teachers and get into close contact with the ongoing projects. Our courses range from basic to Master’s level and we offer around 50 advanced level courses. We also have an extensive postgraduate programme.

About Lund University
Lund University was founded in 1666 and is repeatedly ranked among the world’s top 100 universities. The University has 42 000 students and 7 400 staff based in Lund, Helsingborg and Malmö. We are united in our efforts to understand, explain and improve our world and the human condition.

Lund is the most popular study location in Sweden. The University offers one of the broadest ranges of programmes and courses in Scandinavia, based on cross-disciplinary and cutting-edge research. The compact university campus encourages networking and creates the conditions for scientific breakthroughs and innovations. The University has a distinct international profile, with partner universities in over 70 countries.

Lund University has an annual turnover of SEK 8 billion, of which two-thirds go to research. Our research is characterised by both breadth and strength and, according to independent evaluations, over 30 of our research fields are world-leading.

The establishment of the world-leading facilities MAX IV and ESS will have a major impact on future scientific and industrial development in both materials science and life science. MAX IV, which was inaugurated in June 2016, is the leading synchrotron radiation facility in the world, while the European research facility ESS will be the world’s most powerful neutron source when it opens for research in 2023. Adjacent to these facilities, Science Village Scandinavia is also being developed into a meeting place and testing environment for research, education and entrepreneurship.

Learn more at www.lunduniversity.lu.se
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