

The research school
**‘Ecology-basics and applications’
Preliminary Programme 2024**

Spring semester 2024

To communicate science (2 ECTS). **March or April**, (exact date to be decided) How to plan and perform efficient communication using different methods and channels that can be used to reach different target groups. Course organizers: *NJ-faculty research schools and the communication division at SLU*. **To be announced.**

How to become a postdoc (seminar), **April or May exact date to be decided.** Learn about what is required to apply for funds or positions, why you should do a post doc, and other things that may be important to consider. Invited researchers (about applications writing and reviewing) and former postdocs presenting information and their perspective based on their experience. Organizers: *NJ-faculty research schools*. **To be announced.**

PNS0157 Understanding and implementing Bayesian Ecological Modelling: a course from beginning to hierarchical complexity (5 ECTS) **April 8-19.** Learn about statistical modelling by building models from the ground up! This course uses a Bayesian framework to build all types of statistical models from simple linear regressions to advanced multi-level non-linear models. You can choose your level of difficulty during the course (so don't worry if stats still confuses you), and you'll get the benefit of understanding one of the most useful frameworks for estimating treatment effects and the probability that variable x influences variable y. Go Bayesian! **Apply no later than 15 March** by sending an email to the course organizer Matt Low (matt.low@slu.se)

Autumn semester 2024

Additional courses are still in the planning phase

PNG0086 Scientific Writing and Peer Review in Ecology (5 ECTS) **start September ?.** The course aim is to give an overview and learn the basics on how to prepare and write a scientific paper for submission to an international, peer reviewed scientific journal. The emphasis of the course is to consider and become familiar with the reviewing process. The course includes two parts: a first part with five meetings where different aspects of the writing process is discussed and the second part of the course consisting of review seminars with a group of 3 -5 students and one invited researcher where one of the participants' manuscript is reviewed and discussed. Course organizer: *NN and Helena Bylund*. **To be announced.**

PNS0074 Multivariate methods for ecologists (4.5 ECTS) **October ?** Aim: To illustrate the application of number of multivariate methods on ecological data. Ordination and classification procedures will be demonstrated in lectures and exercises. **Course organizer:**

Ulf Grandin (ulf.grandin@slu.se). See this link for more information on the course and how to apply: <https://www.slu.se/mva> . *FoSW, Ecology and Organism Biology* **To be announced.**

PNG0088 Understanding & Coding the R Programming Language (3 ECTS) November

Aim: to help each student overcome the initial steep learning curve that is associated with learning R, and how to think in a structured and logical way to make programming easier.

Course organizer *Matt Low* (matt.low@slu.se). *Ecology + FoSW and Organism Biology*. **To be announced.**

Career Outside the University for PhDs (seminar) Do you want to pursue a career outside of academia? Have you asked yourself what possibilities you, as a PhD, have in the labor market outside of the university? Do you want to improve your chances of finding your dream job? Organizers: *NJ-faculty research schools*. **To be announced**

Thesis summary writing workshop The aim of the workshop is to give insights and inspiration on how to write a thesis summary. The topics covered are legal issues concerning the thesis summary writing process, writing inspiration, and advice and discussions on "best practices" for writing a thesis summary. *NJ-research schools*. **To be announced**



<https://www.slu.se/en/graduate-schools/ecology-basics-and-applications/>