

The research school  
'Ecology-basics and applications'  
Programme Autumn 2023

Autumn semester 2023

**PNS0074 Multivariate methods for ecologists (4.5 ECTS) Sept. 25 – October 13, 2023.**

The aim of the course is to illustrate the application of number of multivariate methods on ecological data. Ordination and classification procedures that will be demonstrated in lectures and exercises.

**Course organizer:** *Ulf Grandin* ([ulf.grandin@slu.se](mailto:ulf.grandin@slu.se)). See this link for more information on the course and how to apply (**dead line for application: September 8<sup>th</sup>**) : <https://www.slu.se/mva> . *FoSW, Ecology and Organism Biology.*

**Scientific Writing and Peer Review in Ecology (5 ECTS) start September 28.** 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. Apply by sending an email to the course organizer: *Helena Bylund* ([helena.bylund@slu.se](mailto:helena.bylund@slu.se)) no later than September 6.

**Thesis summary writing workshop October 6<sup>th</sup> at campus Ultuna and Zoom.** The aim of the workshop is to give insights and inspirations on how to write to write a thesis summary. The topics covered are legal issues concerning the thesis summary writing process, writing inspiration, and discussions on "best practices" for writing a thesis summary. **Register** by sending an email to [philip.jacobsson@slu.se](mailto:philip.jacobsson@slu.se) on the **25<sup>th</sup> of September** at the latest. State if you wish to attend at Ultuna or via Zoom.

**PNG0088 Understanding & Coding the R Programming Language (3 ECTS) November 6-10 in Uppsala.** The course aim is 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 organizers Matt Low & Malin Aronsson.* Register by sending an email to *Matt Low* ([matt.low@slu.se](mailto:matt.low@slu.se)) no later than **October 27.** *Ecology + FoSW and Organism Biology.*

**Fish and Fisheries Ecology (3 ECTS) October 31 – December 15, week 44 (Oct. 31 – Nov. 2) a 2-3 days meeting IRL, followed by ~ 4 on-line seminars.** Based on a series of discussion seminars and reading of scientific literature aiming to provide fundamental knowledge in fisheries ecology, including assessment and management practices. For more information and registration send an email to the course organizers: *Magnus Huss* ([magnus.huss@slu.se](mailto:magnus.huss@slu.se)) and *Jonas Hentati Sundberg* ([jonas.sundberg@slu.se](mailto:jonas.sundberg@slu.se)) . **Last date to register October 15.**

**PNG0100 Data Handling with R (3 ECTS) November/December** The course is aimed at helping PhD students confidently manipulate data using R. Across three modules, we will cover writing reproducible code, data indexing, aggregation and use of the apply family, as well as error checking and debugging. The course also includes basic introductions to the use of GitHub and Rmarkdown. The four meetings (14/11, 30/11, 15/12 & 19/1) will take place in-person in Ultuna, with the opportunity to take part online for those who are not able to travel. Course organizers:

*Alistair Auffret and Lorenzo Menichetti.* For more information and to apply for this course please contact Alistair Auffret ([alistair.auffret@slu.se](mailto:alistair.auffret@slu.se)) **before November 1** (i.e. October 31).

**Career Outside the University for PhDs** (seminar) **November 10.** 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: *Eva Crab & Vahideh NJ-faculty research schools.* Register here: [Registration link Career day](#) , no later than 10:00 **November 9.**



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